



Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs taken 1941 and planetable surveys 1940, 1943, and 1949. Revised from aerial photographs taken 1967. Field checked 1969
Selected hydrographic data compiled from NOS chart 903 (1970). This information is not intended for navigational purposes
Polyconic projection. Puerto Rico Datum, 1940 adjustment 2000-meter grid ticks based on Puerto Rico coordinate system 1000-meter Universal Transverse Mercator grid, zone 19
Barrio and municipality boundaries by the Puerto Rico Planning Board
Red tint indicates areas in which only landmark buildings are shown
Kilometric reference distances are shown in red
There may be private inholdings within the boundaries of the National or State reservations shown on this map

Revisions shown in purple and woodland compiled from aerial photographs taken 1977 and other sources. This information not field checked. Map edited 1982
Purple tint indicates extension of urban areas

SCALE 1:20,000
CONTOUR INTERVAL 5 METERS
DOTTED LINES REPRESENT 1 METER CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET - DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 0.3 METER

ROAD CLASSIFICATION
Primary highway, all weather, hard surface
Secondary highway, all weather, hard surface
Light duty road, all weather, improved surface
Unimproved road, fair or dry weather
Insular Route

FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
AND DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS, SAN JUAN, P. R. 00910
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MANATÍ, P. R.
N1822.5-W6622.5/7.5
1969
PHOTOREVISED 1982
DMA 1323 III SW-SERIES E835

RETURN TO:
USGS AND HISTORICAL MAP ARCHIVES

APR 1982

190