



Maped by the Geological Survey  
1940 and 1943

EMP. C. NO. 20 1.2  
CIALES 5.5 KM.  
VILLALBA 47.9 KM.

10 M  
25 M

APPROXIMATE MEAN  
DECLINATION, 1945

Scale 30000

1 Mile  
3 Kilometers

Contour intervals 10 and 25 meters (see diagram)  
1 meter contours in dashed lines  
Datum is mean sea level

USGS  
HISTORICAL FILE  
TOPOGRAPHIC DIVISION  
FILE COPY

ROAD CLASSIFICATION  
1946  
Dependable hard-surface  
heavy-duty road  
Secondary hard-surface  
all-weather road  
More than two lanes indicated along road with tick at point of change

Dry weather roads  
Loose-surface graded  
Unsurfaced, grades  
Dirt road  
State Road

Polyconic projection. Puerto Rican datum  
5000 yard grid based on U. S. zone system, St. Thomas  
2000 meter grid based on Puerto Rico rectangular  
coordinate system  
Municipal boundaries from local information

MANATÍ, P. R.  
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