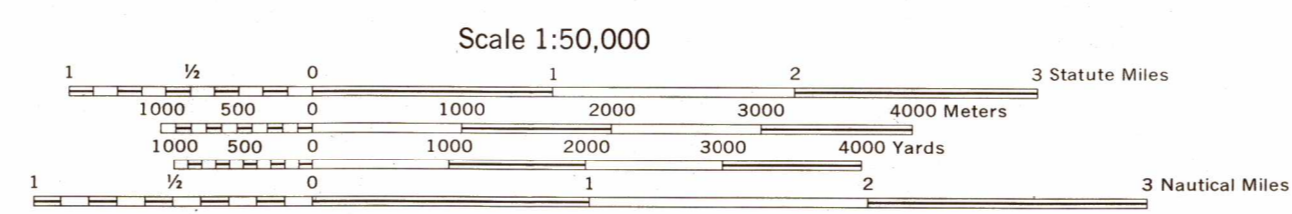


E751  
Edition 1-AMS

Prepared under the cooperative program of the Oficina de Geodesia de Nicaragua with the Inter American Geodetic Survey (IAGS) and Army Map Service of the United States. Compiled in 1959 by photogrammetric methods by the U.S. Navy Hydrographic Office. Horizontal and vertical control by Oficina de Geodesia de Nicaragua and IAGS. Map field checked, 1959.



CONTOUR INTERVAL 20 METERS  
VERTICAL DATUM: MEAN SEA LEVEL

TRANSVERSE MERCATOR PROJECTION  
HORIZONTAL DATUM: 1927 NORTH AMERICAN DATUM

BLACK NUMBERED LINES INDICATE THE 1,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 16, CLARKE 1866 SPHEROID  
THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0899; COMMERCIAL 314-290-5032; DON 490-5032; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CDD, MAIL STOP P-37, 4600 SANGAMORE ROAD, BETHESDA, MD 20815-5003.

GRID ZONE DESIGNATION:	TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS
16P	SAMPLE POINT: EL CAJON
100,000 M. SQUARE IDENTIFICATION	
FH	
	1. Read letters identifying 100,000 meter square in which the point lies:
	2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself.
	3. Estimate tenths from grid line to point.
	4. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or on the line itself.
	5. Estimate tenths from grid line to point.
	SAMPLE REFERENCE: FH62647
	If reporting beyond 97°-5 or 18°N.W. prefix Grid Zone Designation, as:
	16PH62647

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH  
ADD G-M ANGLE

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH  
SUBTRACT G-M ANGLE

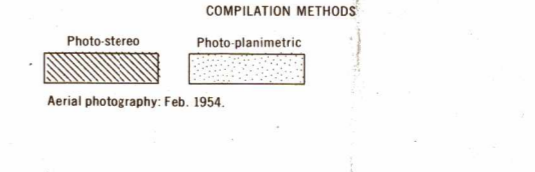
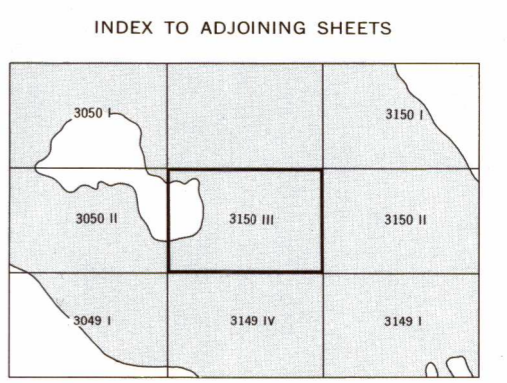
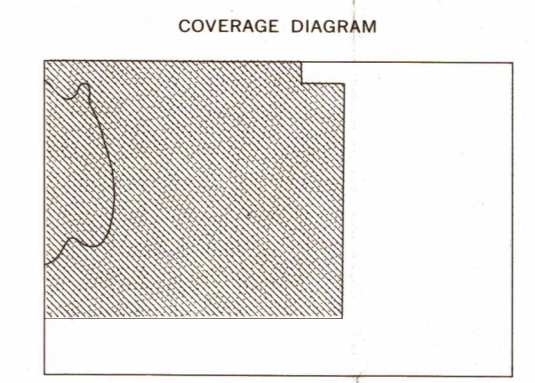
GRID CONVERGENCE  
0°17' 16" MILS  
FOR CENTER OF SHEET

1960 ANNUAL MAGNETIC CHANGE IS NEGLIGIBLE  
17°=60" (17.77 MILS)

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**LEGEND**  
On this map a lane is considered as being a minimum of 2.5 meters in width

Lava	Distorted surface; Sand
All weather	Tropical grass
Hard surface, two or more lanes wide	Woods, brushwood; Scrub
Loose or light surface, two or more lanes wide	Orchard; Vineyard
Hard surface, one lane wide	Mangrove; Nipa
Loose or light surface, one lane wide	Rice paddy; Salt evaporator
Fair or dry weather, loose surface	Land subject to inundation; Dry stream or wash
Cart track; Footpath, trail	Well; Spring; Intermittent stream
Route markers: National, Secondary	Intermittent lake or pond
RAILROADS: Normal or broad gauge	Marsh or swamp; Dam
RAILROADS: Single track	Large rapids; Large falls
Normal or broad gauge	Rapids; Falls; Pier
Narrow gauge	Exposed wreck
BOUNDARIES: International	Sunken wreck; Anchorage
Primary administrative (departamentos)	Sunken rock
Power transmission line; Fence	Rock, uncovering or wash
Church; School; Mine	Danger in general
Windmill, wind pump; Water mill	Soundings in fathoms; Foreshore flat
Horizontal control point; Bench mark	Reef; Light; Lighthouse
Spot elevations in meters: Checked; Unchecked	Depth curves in fathoms



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**GLOSSARY**

Café	coffee
Ensenada	bay, cove
Isla	island
Lago	lake
Presa	dam
Punta	point
Rio	stream