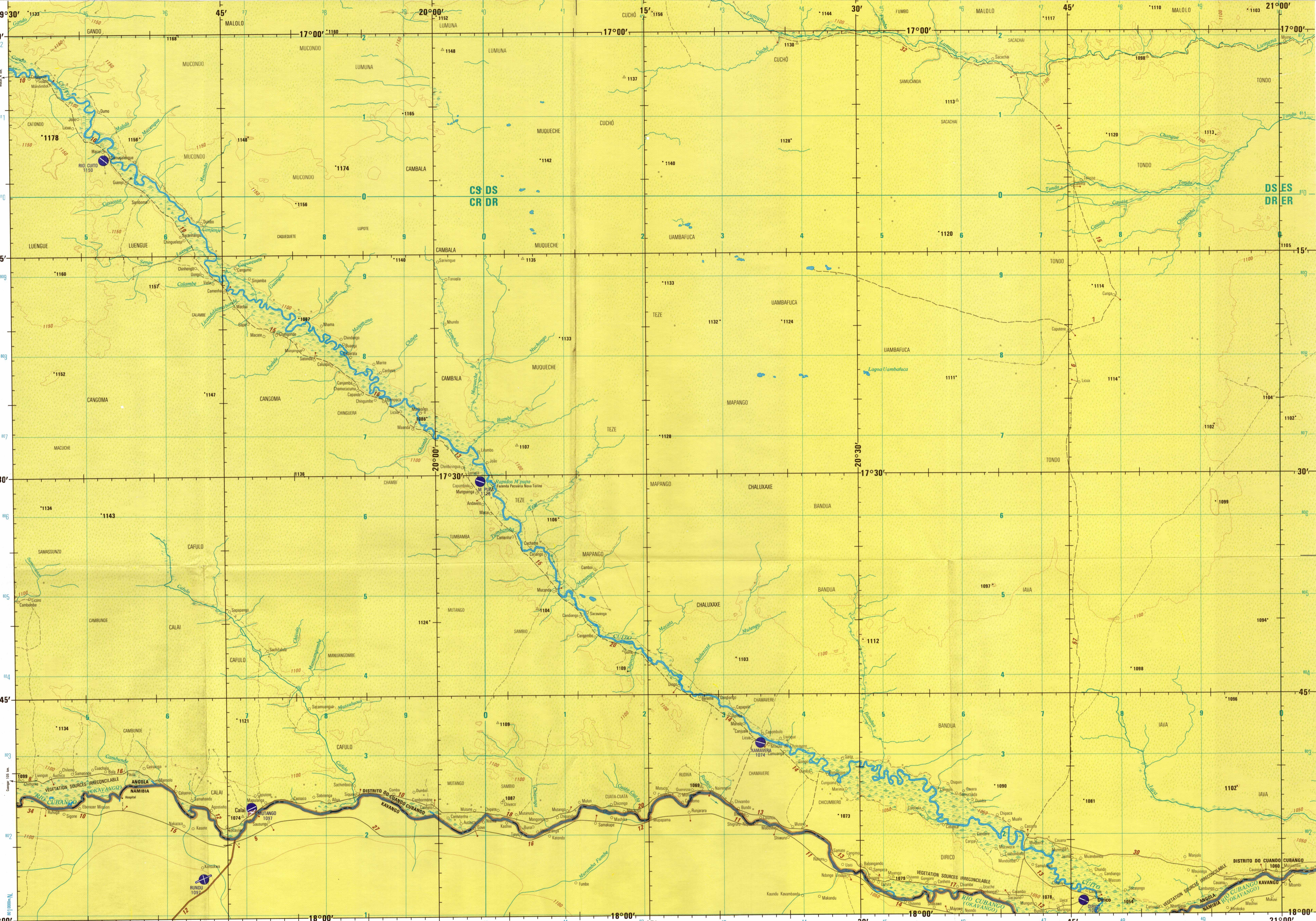


SERIES 1501
SHEET SE 34-6
EDITION 1

- POPULATED PLACES**
- First importance LUANDA
 - Second importance HUAMBO
 - Third importance Luimbale
 - Fourth importance Calima
 - Fifth importance Canada
- ROADS**
- All weather, hard surface
 - More than two lanes wide
 - Two lanes wide
 - All weather, loose or light surface
 - More than two lanes wide
 - Two lanes wide
 - All weather, loose or light surface, one lane wide
 - Fair or dry weather, loose surface
 - One lane wide
 - Cart track
 - Footpath, trail
- ROUTE MARKER**
- National
- RAILROADS**
- Normal gauge (1.067 meters)
 - Narrow gauge
 - Station, position known, position unknown
- BOUNDARIES**
- International
 - First-order administrative
 - Reservation
- HORIZONTAL CONTROL**
- Horizontal control point
 - Sand
 - Distorted surface
 - Escarpment, Levee
 - Mound, Cliff
 - Church, mission, School
 - Hut, road, Landmark feature, Mine
- VEGETATION**
- Woods, Scattered trees
 - Mangrove
 - Orchards, plantations, vineyards
- HYDROGRAPHY**
- Well, Spring, Dry lake
 - Wadi, Sebha, wet depression
 - Land subject to inundation: Swamp
- TERRAIN ELEVATIONS**
- Spot elevation: Normal: Critical 338 - 1108
 - Highest Known elevation is 1178 meters at the following coordinates:
 - Geographic 17°07'S, 18°32'E
 - Grid CS4508
- AERODROMES (Military or Civil)**
- EDNA 221
 - Field limits with runway pattern
 - EDNA-Name 221-Elevation
 - Field limits, with runway pattern unknown
 - Field limits unknown, with runway pattern
 - Field limits and runway pattern unknown
- HELIPORT**
- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction
 - 338 - Elevation of obstruction top, above sea level
 - (79) - Elevation of obstruction top, above ground level
 - Group obstruction
 - Radio facility obstruction
 - Power transmission line



1975 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 13° (230 MILS) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 12° (210 MILS) WESTERLY FOR THE CENTER OF THE EAST EDGE.

LOCATION DIAGRAM
(WAC INDEX SHOWN IN RED/BROWN)
(GIC INDEX SHOWN IN BLUE)

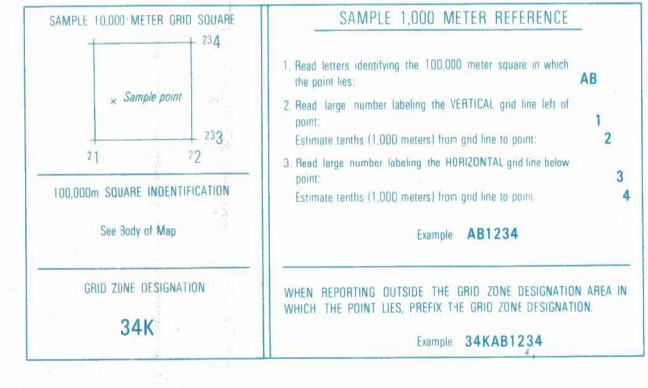
SD 33-16	SD 34-13	SD 34-14	SD 34-15	SD 34-16
33-16	34-13	34-14	34-15	34-16
33-12	34-9	34-10	34-11	34-12
33-16	34-13	34-14	34-15	34-16

Prepared and published by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D.C. Compiled February 1979.



CONVERSION OF ELEVATIONS

METERS	FEET	METERS	FEET
1000	3281	10000	32808
900	2953	9000	29528
800	2625	8000	26247
700	2297	7000	22966
600	1969	6000	19685
500	1640	5000	16404
400	1312	4000	13123
300	984	3000	9842
200	656	2000	6562
150	492	1500	4921
100	328	1000	3281



JOINT OPERATIONS GRAPHIC

SCALE 1:250,000



CONTOUR INTERVAL 50 METERS

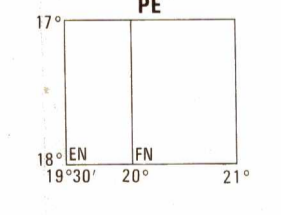
BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 34, CLARKE 1880 SPHEROID.

USERS SHOULD REFER TO THE MMAP CUSTOMER HELP DESK, 1-800-455-0000, FOR ADDITIONAL INFORMATION. ADDITIONS AND COMMENTS TO THE MMAP CUSTOMER HELP DESK, 1-800-455-0000, SHOULD BE SENT TO: DIRECTOR, NATIONAL BUREAU OF MAPS AND TERRAIN, ATTN: CDD, MAIL STOP P-37, 4600 SANGARE ROAD, BETHESDA, MD 20815-5003.

GLOSSARY

- District - first-order administrative division
- Fazenda - estate, farm
- Lago - lake
- Microla - mission
- Rapidos - rapids
- Rio - stream

GEOREF BASIC 15° QUADRANGLE PE



RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

PLOTTING ACCURACY 90% ASSURANCE	AREA I		AREA II		AREA III	
	width	width	width	width	width	width
Horizontal	125 m	25m	125 m	25m	125 m	25m
Vertical	125 m	25m	125 m	25m	125 m	25m

GRAPHIC FEATURE DATE OF INFORMATION
Roads 1974 1977
All other features 1967-68 1967

Horizontal Datum: Arc 1950
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

NOTES

No obstructions 61 meters or more above ground level are known to exist in this area.

On this graphic a lane is generally considered as being 2.5 meters (8 feet) in width.

Figures along roads indicate approximate distances in kilometers. THE REPRESENTATION OF INTERNATIONAL BOUNDARIES ON THIS GRAPHIC IS NOT NECESSARILY AUTHORITY.

The reliability of vegetation information is undetermined. Names for symbolized populated places are omitted where information is not available or where density of detail does not permit their inclusion.