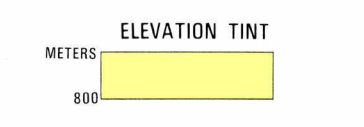


SERIES 1501  
SHEET SC 34-15  
EDITION 1



RELIABILITY OF THIS GRAPHIC  
(as determined by standard practices)

PLOTTING ACCURACY	AREA I		AREA II		AREA III	
	width	width	width	width	width	width
Horizontal	125m	25m	125m	25m	125m	25m
Vertical	125m	25m	125m	25m	125m	25m
GRAPHIC FEATURE						
Roads	1974		1974		1974	
All other features	1969-69		1969-69		1969-69	
Horizontal Datum: Arc 1950						
Vertical Datum: Mean Sea Level						
Projection: Transverse Mercator						

**GLOSSARY**

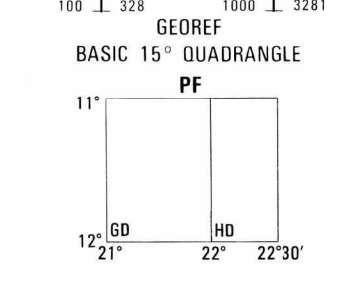
Acampamento	.....	camp
Distrito	.....	first order administrative division
Lago	.....	lake
Parque Nacional	.....	national park
Region	.....	first order administrative division
Rio	.....	stream

**LOCATION DIAGRAM**  
(WAC INDEX SHOWN IN RED/BROWN)

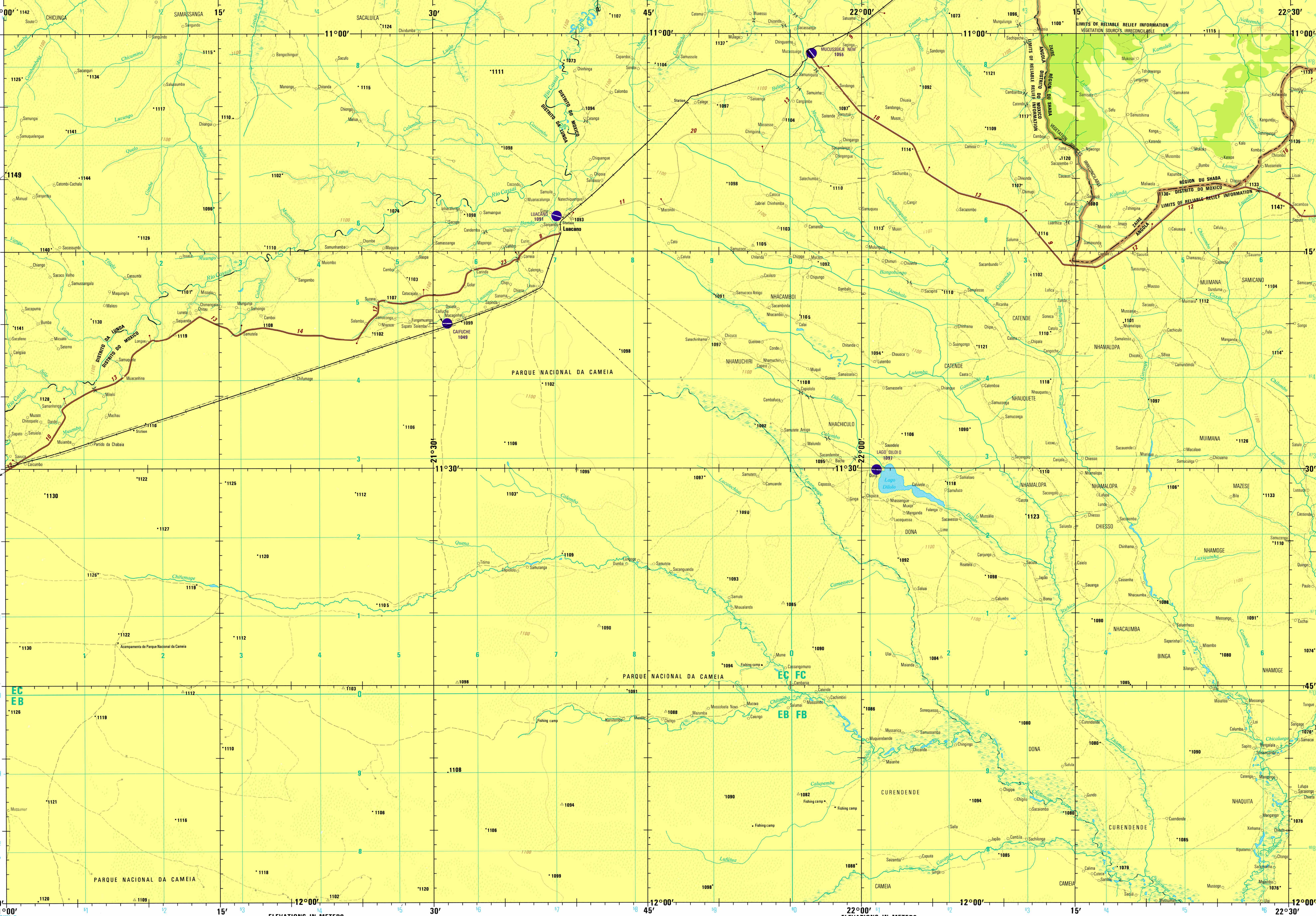
1936	SC 34-10	SC 34-11	ZAIRE	SC 34-12
	SC 34-14	SC 34-15		SC 34-16
	SD 34-2	SD 34-3	ANGOLA	SD 34-4
	1151	1152		

**CONVERSION OF ELEVATIONS**

METERS	FEET	METERS	FEET
1000	3281	12000	39370
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



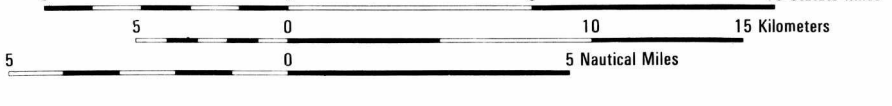
1975 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 8 1/2° (150 MILS) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 8° (140 MILS) WESTERLY FOR THE CENTER OF THE EAST EDGE.



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

**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, CLARK 1989 SPHEROID.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK:  
1-800-455-6889; COMMERCIAL: 314-262-4884; DSN 688-4884; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: ES, MAIL STOP 1-48, 4800 SANGAMORE ROAD, BETHESDA, MD 20815-9002.

**ROADS**

- All weather, hard surface: 3 LANES
- More than two lanes wide: 3 LANES
- Two lanes wide: 3 LANES
- All weather, loose or light surface: one lane wide
- More than two lanes wide: 3 LANES
- Two lanes wide: 3 LANES
- All weather, loose or light surface, one lane wide: 3 LANES
- Fair or dry weather, loose surface: 3 LANES
- Cart track: 3 LANES
- Footpath, trail: 3 LANES

**ROUTE MARKER**

- Normal gauge (1.067 meters): EB
- Narrow gauge: EB
- Station, position known; position unknown: EB

**RAILROADS**

- Normal gauge (1.067 meters): EB
- Narrow gauge: EB
- Station, position known; position unknown: EB

**BOUNDARIES**

- International: EB
- First-order administrative: EB
- Reservation: EB

**HORIZONTAL CONTROL**

- Horizontal control point: EB
- Sand: EB
- Distorted surface: EB
- Escarpment; Levee: EB
- Mound; Cliff: EB
- Church, mission; School: EB
- Hot, vernal; Landmark feature; Mine: EB

**VEGETATION**

- Woods: Scattered trees: EB
- Mangrove: EB
- Orchards, plantations, vineyards: EB

**HYDROGRAPHY**

- Well; Spring; Dry lake: EB
- Wadi; Sebki, wet depression: EB
- Land subject to inundation; Swamp: EB

**AERODROMES (Military or Civil)**

- Field limits with runway pattern: EBNA
- EDNA-Name: EBNA
- 221-Elevation: EBNA
- Field limits, with runway pattern unknown: EBNA
- Field limits unknown, with runway pattern: EBNA
- Field limits and runway pattern unknown: EBNA
- HELIPORT: EBNA

**VISUAL AIDS AND OBSTRUCTIONS**

- Obstruction: 338
- Obstruction of obstruction top, above sea level: 338
- Obstruction of obstruction top, above ground level: 338
- Group obstruction: 338
- Radio facility obstruction: 338
- Power transmission line: 338

**TERRAIN ELEVATIONS**

- Spot elevation: Normal: Critical: 338
- Highest known elevation is 1149 meters at the following coordinates: 11°05.21'00"E, 21°00'E, 11°05.21'00"E, 21°00'E

**NOTES**

No obstructions 61 meters or more above ground level are known to exist in this area.  
On this graphic a line 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 AUTHORITATIVE.  
Names for symbolized populated places are omitted where information is not available.



SCALE 1:250,000  
LUACANO, ANGOLA; ZAIRE

SERIES 1501  
SHEET SC 34-15  
EDITION 1

