

SERIES 1501 AIR SHEET SH 34-11 EDITION 2

POPULATED PLACES  
 Over 100,000  
 25,000 to 100,000  
 10,000 to 25,000  
 2,000 to 10,000

PRETORIA  
 BENONI  
 Standerton  
 Alexandria

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  
 Cart track  
 Footpath, trail

ROUTE MARKER  
 National, other

RAILROADS  
 Normal gauge (3'6")  
 Narrow gauge  
 Station, position known; position unknown

BOUNDARIES  
 International  
 First-order administrative  
 Reservation

HORIZONTAL CONTROL POINTS  
 Astronomic position  
 Horizontal control point  
 Spot elevation: Normal, Critical

Sand  
 Distorted surface  
 Escarpment, Levee  
 Mound, Cliff  
 Church, mission; School  
 Hut, Kraal; Landmark feature; Mine

VEGETATION  
 Woods; Scattered trees  
 Mangrove  
 Orchards, plantations, vineyards

HYDROGRAPHY  
 Well; Spring; Dry lake  
 Wadi; Sabkha, wet depression  
 Land subject to inundation; Swamp  
 Depth curves in feet  
 Pier, breakwater  
 Exposed wreck  
 Dam  
 Rocks awash  
 Foreshore flat  
 Limit of danger, Reef

TERRAIN ELEVATIONS  
 Highest known elevation is 5463 feet at the following coordinates:  
 Geographic 30°59'S, 22°30'E  
 Grid FA 4372

AERODROMES (Military or Civil)  
 EDNA/50/4  
 725  
 Field limits with runway pattern  
 EDNA-Name  
 500-Length of longest runway to nearest hundreds of feet  
 s-Soft or unimproved surface  
 u-Unknown surface  
 725-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  
 1108-Elevation of obstruction top, above sea level  
 (259)-Elevation of obstruction top, above ground level  
 Group obstruction  
 Radio facility obstruction  
 Power transmission line  
 Visual ground sign  
 Aero light; Marine light

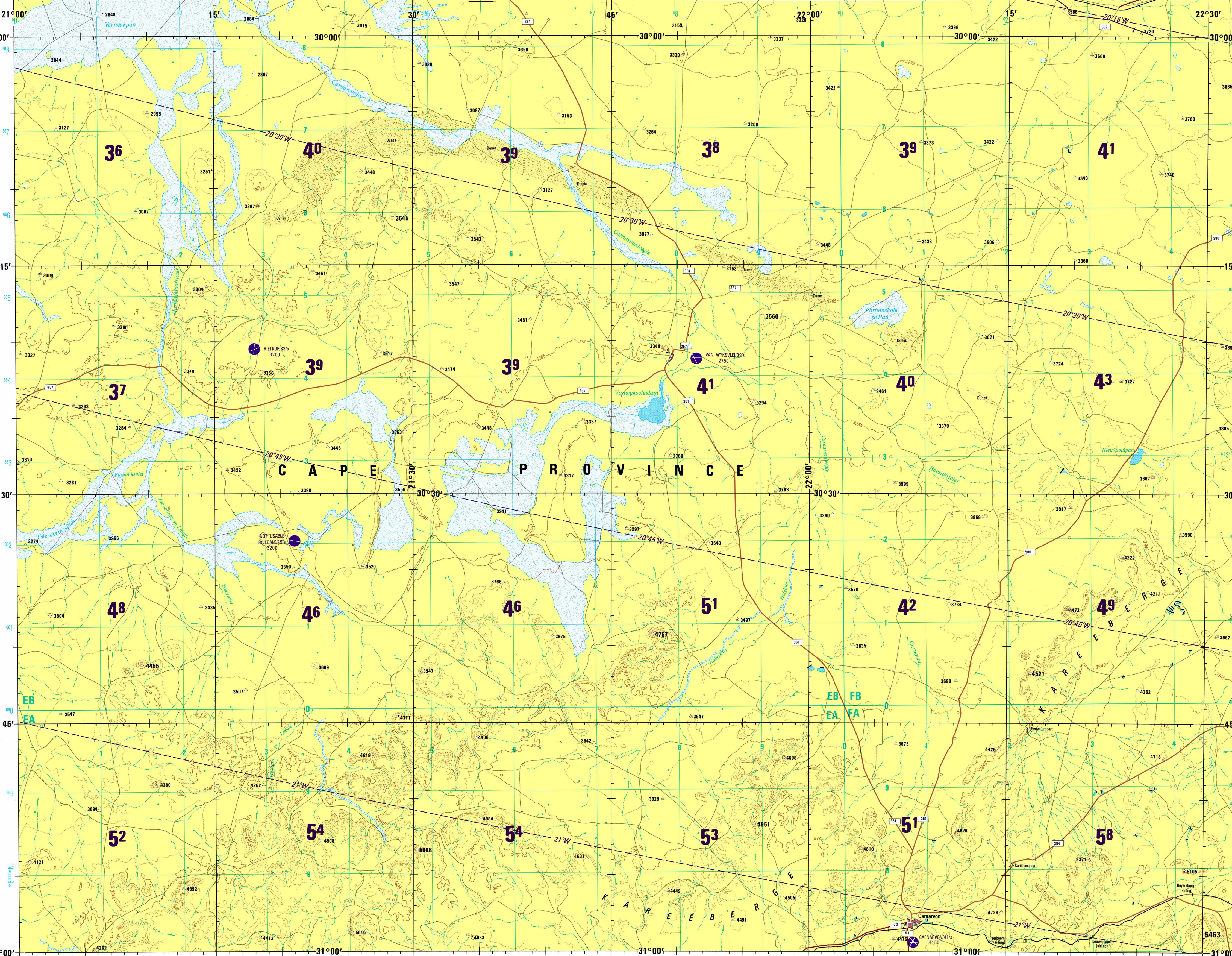
**CAUTION**  
 AIR INFORMATION CURRENT THROUGH  
 15 AUGUST 1980  
 Consult NOTAMS and Flight Information Publications for the latest air information; the DDD Aeronautical Chart Updating Manual or MOD (U.K.) Aeronautical Chart Amendment document, for other chart revision information.

LINE OF EQUAL MAGNETIC VARIATION FOR 1980  
 (Annual rate of change 8' decrease)

**ATTENTION**  
 THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)  
 The Maximum Elevation Figures shown in quadrangles bounded by dotted lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (towers, towers, antennas, etc.). In areas of extensive unrelieved relief, the MEF is shown by a note spaced across the area.  
 EXAMPLE: 12,500 feet **125**

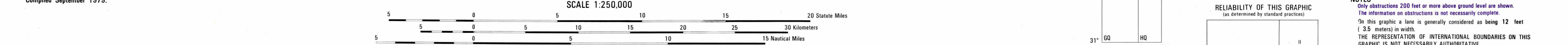
LOCATION DIAGRAM  
 (WAC INDEX SHOWN IN BLUE)  
 (WAC INDEX SHOWN IN RED/SHOWN)

18°	20°	22°	24°	26°	28°
SH 34-1	SH 34-2	SH 34-3	SH 34-4	SH 34-5	SH 34-6
SH 34-7	SH 34-8	SH 34-9	SH 34-10	SH 34-11	SH 34-12
SH 34-13	SH 34-14	SH 34-15	SH 34-16	SH 34-17	SH 34-18
SH 34-19	SH 34-20	SH 34-21	SH 34-22	SH 34-23	SH 34-24



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

**JOINT OPERATIONS GRAPHIC (AIR)**  
 SCALE 1:250,000



CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
1000	305	10000	3048
900	274	9000	2743
800	244	8000	2438
700	213	7000	2134
600	183	6000	1829
500	152	5000	1524
400	122	4000	1219
300	91	3000	914
200	61	2000	610
150	46	1500	457
100	31	1000	305

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

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-6888 COMMERCIAL: 314-263-4864 FOR 603-4864 OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN.: ES, MAIL STOP L-88, 4600 SANDHURST ROAD, BETHESDA, MD 20818-5005.

**GLOSSARY**

Berg ..... mountain  
 Bridge ..... bridge  
 Dam ..... dam  
 Kop ..... hill, peak  
 Langsa ..... intermittent stream  
 Poort ..... pass  
 Punt ..... peak  
 Rivier ..... stream, intermittent stream  
 Spruit ..... stream, intermittent stream

RELIABILITY OF THIS GRAPHIC (as determined by standard practices)

PLOTING ACCURACY	AREA AREA AREA		
	I	II	III
Horizontal	within 1/10" (2.5m)	within 1/10" (2.5m)	within 1/10" (2.5m)
Vertical	within 1/10" (2.5m)	within 1/10" (2.5m)	within 1/10" (2.5m)

GRAPHIC FEATURE DATE OF INFORMATION  
 AREA AREA AREA  
 I II III IV  
 All other features 1973 1970 1971 1969

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

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