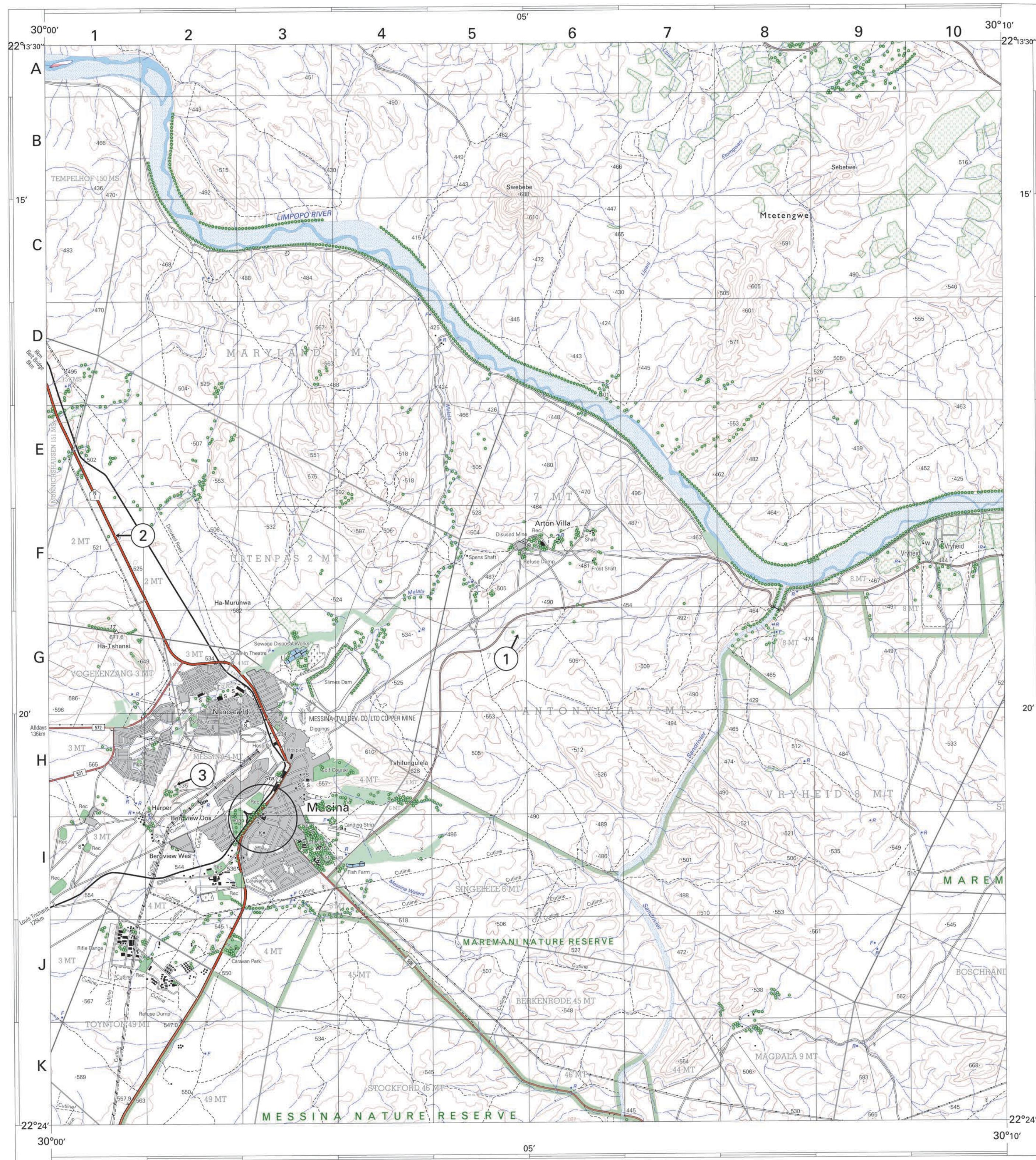


2230AA&AC MUSINA

1:50 000 SOUTH AFRICA  
SUID-AFRIKA



Published by the Chief Directorate: Surveys and Mapping, Private Bag X10, Mowbray

Gepubliseer deur die Hoofdirektorat: Opmetings en Kartering, Privaatsak X10, Mowbray

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CONTOUR INTERVAL 20 METRES KONTOURENTSLAANRUIMTE 20 METER

Heights are in metres above mean sea level  
Hoogtes is in meter bo gemiddelde seepeil

Gauss Conform Projection, Central Meridian 29° East.  
Hartebeesthoek 94 Datum (WGS84 Ellipsoid).

Mean magnetic declination 12°57' West of True North July 2002.

Mean annual change 7' Westwards 2000–2005.

Supplied by Hermanus Magnetic Observatory.

Gemiddelde magnetiese declinasië 12°57' Wes van Ware Noord, Julie 2002.

Gemiddelde jaarlikse verandering 7' Westwaarts 2000–2005.

Voorinligting deur die Hermanus Magnetiese Observatorium.

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2229BB	30°	15'	30°22'
2229BD	30°	15'	30°22'
2230AA & AC	15'	30°	15'
2229B	45°	30°	45°
2229CA	45°	30°	45°
2229CB	45°	30°	45°
LIMPPO	45°	30°	45°

REFERENCE

REFERENCE	VERKLARING
National Freeway; National Route.....	Nasionale Deûpad; Nasionale Roete
Aerial Route.....	Hooivliegroute
Main Road.....	Hoofpad
Secondary Road; Bench Mark.....	Seënsekondêre Pad; Hoekmerk
Other Road; Bridge.....	Andere Pad; Brug
Track and Hiking Trail.....	Douwe Pad en Voetstaptrap
Pipeline or Canal or Ditch.....	Spoorweg; Stasie of Syvn
Other Railway; Tunnel.....	Ander Spoerweg; Tunnell
Embankment; Cutting.....	Oppulling; Deurgrawing
Power Line.....	Kraglyn
Built-up Area (High, Low Density).....	Bevolkte Gebied (Hoë, Lae Dikte)
Post Office; Police Station; Store.....	Geboue; Politieasie; Winkel
Place of Worship; School; Hotel.....	Poskantoor; Polesiestasie; Winkel
Fence; Wall.....	Piek van Aanbidding; Skool; Hotel
Windpump; Monument.....	Windpomp; Monument
Communication Tower.....	Kommunikasie-toring
Mine Dump; Excavation.....	Myntoop; Ugraveuning
Trigonometrical Station; Marine Beacon.....	Pelikan; Seevaartligting
Lighthouses and Marine Light.....	Vuurtoning en Seevaartligting
Cemetery; Grave.....	Begraafplaas; Graf

Cadastral information supplied by the Surveyor-General

Original Farms.....

The delimitation of international and provincial boundaries on this map should not be considered as authoritative.  
Die afbakening van internasionale en provinsiale grense op hierdie kaart moet nie as gesaghebbend beskou word nie.

REFERENCE

International Boundary and Beacon.....	Internasionale Grens en Bakon
Provincial Boundary.....	Provinisiale Grens
Protected Area.....	Beweringsgebied
Perennial River.....	Standhouende Rivier
Perennial Water.....	Standhouende Water
Non-perennial River.....	Nie-standhouende Rivier
Non-perennial Water.....	Nie-standhouende Water
Dry Water Course.....	Droog Waterloop
Dry Pan.....	Droog Pan
Moors and Vlei.....	Moeras en Vlei
Pipeline (above ground).....	Pyphyn (bo die grond)
Water Tower; Reservoir; Water Point.....	Watertoring; Reservoir; Waterpunt
Coastal Rocks.....	Kuslynlote
Prominent Rock Outcrop.....	Prominente Klipbank
Erosion; Sand.....	Erosie; Sand
Woodland.....	Bosveld
Desert Land.....	Bosveld
Orchard or Vineyard.....	Boerd of Wingerd
Recreation Ground.....	Ontspanningsterrein
Row of Trees.....	Rye Bone

Kadastrale infilling verstrekkig deur die Landmeter-generaal

Oorspronlike Plaas.....

2230AA MUSINA

THIRD EDITION

DERDE UITGAWE

1999



## 2230 AC 11 MUSINA (SOUTH)

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SOUTH AFRICA  
SUID-AFRIKA



Gauss Conform Projection. Central Meridian 31° East  
Contour Interval 5 Metres  
Grid Interval 1 000 Metres  
Hartebeesthoek 94 Datum  
WGS84 Ellipsoid

1 : 10 000

Gauss Konforme Projeksie. Middelmeridiaan 31° Oos  
Kontoertussenruimte 5 Meter  
Ruitussenruimte 1 000 Meter  
Hartebeesthoek 94 Datum  
WGS84 Ellipsoid

2230 AC 11 SECOND EDITION  
TWEEDE UITGawe  
2004

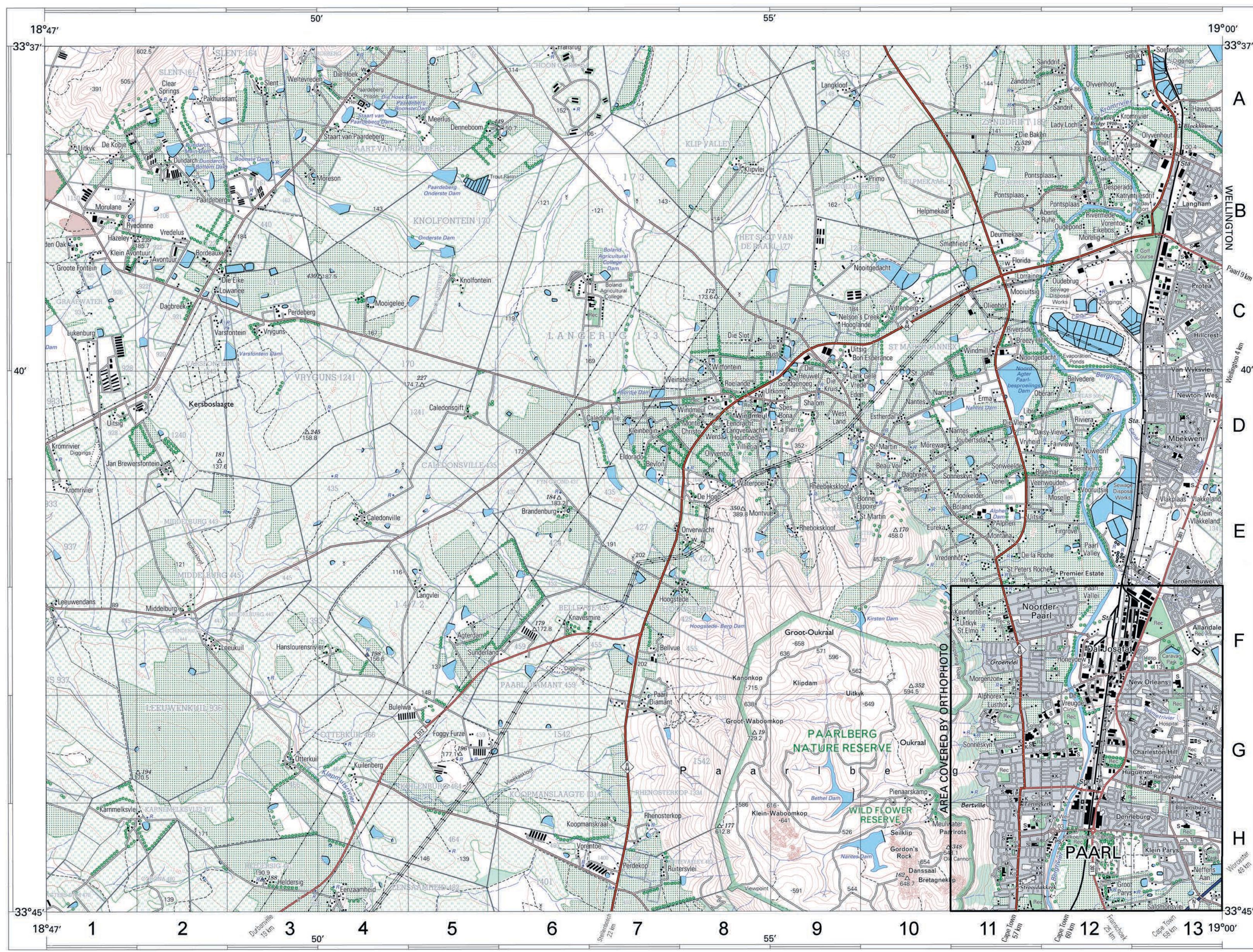
INDEX TO SHEETS INDEX VAN VELLE

2229BD10	2230AC6	2230AC7
2229BD19	2230AC11	2230AC12
2229BD20	2230AC16	2230AC17

30°00'

## 3318DB PAARL

1:50 000 SOUTH AFRICA SUID-AFRIKA



Published by the Chief Directorate: Surveys and Mapping, Private Bag X10, Mowbray

Gepubliseer deur die Hoofdirektoraat: Opmetings en Kartering, Privaatsak X10, Mowbray

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Printed by the Government Printer, Private Bag X85, Pretoria

Gedruk deur die Staatsdrukker, Privaatsak X85, Pretoria

Metres 1000 1 2 3 4 5 6 7 8 9 Kilometres

Heights are in metres above mean sea level

Hoogtes is in meter bo gemiddelde seepeil

The grid lines of the South African Co-ordinate System are indicated in the margin by short black ticks at 10 000 metre intervals, with co-ordinate values in units of 10 000 metres in blue.

### REFERENCE

### VERKLARING

International Boundary and Beacon	Internasionale Grens en Baken
Provincial Boundary	Proviniale Grens
Protected Area	Bewaringsgebied
Perennial River	Standhoudende Rivier
Perennial Water	Standhoudende Water
Non-perennial River	Nie-standhoudende Rivier
Non-perennial Water	Nie-standhoudende Water
Dry River Course	Droog Rivierloop
Dry Pan	Droog Pan
Marsh and Vlei	Moeras en Vlei
Pipeline (above ground)	Pyplyn (bo die grond)
Water Tower; Reservoir; Water Point	Watertoring; Reservoir; Waterpunt
Coastal Rocks	Kustrots
Granite Rock Outcrop	Granietrots
Erosion Land	Erosie Land
Woodland	Woudland
Cultivated Land	Gebruikte Land
Orchard or Vineyard	Boerd of Wingerd
Recreation Ground	Ontspanningsterrein
Row of Trees	Rye Bone

REFERENCE	VERKLARING
National Freeway; National Route	Nasionale Deurpad; Nasionale Roete
Aerial Road	Hoofverkeersroute
Main Road	Hoofpad
Secondary Road; Bench Mark	Sekondêre Pad; Hoogtemerk
Other Road; Bridge	Ander Pad; Brug
Track and Hiking Trail	Douwe Pad en Voetstapnad
Railway; Station or Siding	Spoorweg; Stasie of Syllyn
Other Way; Tunnel	Ander Spoorweg; Tunnell
Embankment; Cutting	Ospulling; Derygraving
Power Line	Kraglyn
Built-up Area (High, Low Density)	Beboude Gebied (Hoë, Lae Dighed)
Buildings; Ruin	Geboue; Murasie
Post Office; Police Station; Store	Poskantoor; Politiestaatie; Winkel
Place of Worship; School; Hotel	Plek van Aanbidding; Skool; Hotel
Fences; Walls	Draadkloof; Muur
Windmills; Monument	Windmopp; Monument
Communication Tower	Kommunikasiestoring
Mine Dump; Excavation	Mynhoop; Uitgrawing
Trigonometrical Station; Marine Beacon	Peilbaken; Seevaartbaken
Lighthouse and Marine Light	Vuurtoer en Seevaartlig
Cemetery; Grave	Begraafplaas; Graf

Mean magnetic declination 23°33' West of True North July 2002.

Mean annual change 6' Westward (2000–2005).

Supplied by Hermanus Magnetic Observatory.

Gemiddelde magnetiese deklinasie 23°33' Wes van Ware Noord (Julie 2002).

Gemiddelde jaarlike verandering 6' Weswaarts (2000–2005).

Voorziens deur die Hermanus Magnetiese Observatorium.

Whilst every effort is made to ensure the accuracy of this map, users noting errors and omissions are requested to notify the Chief Directorate: Surveys and Mapping.

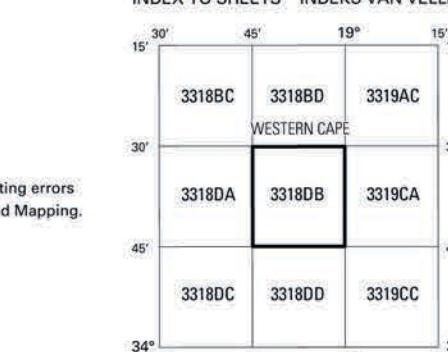
Gauss Conform Projection. Central Meridian 19° East.

Hartebeesthoek 94 Datum (WGS84 Ellipsoid).

Die ruityne van die Suid-Afrikaanse Koördinaatstelsel word in die kaartnuwe aangegevoer deur kort swart streepies 10 000 meter van mekaar, met koördinaatwaardes in eenheid van 10 000 meter in blou.

### CONTOUR INTERVAL 20 METRES KONTOERTUSSENRUIMTE 20 METRER

INDEX TO SHEETS INDEKS VAN VELLE



Alle peilings moet geskep word om die akkuraatheid van hierdie kaart te verseker.

Gebruikers word wersk op die Hoofdirektoraat: Opmetings en Kartering,

te verwittig van enige foutie of weglatings.



WGS84

Kadastrale inligting verstrek deur die Landmeter-generaal

Dorspraklike Passe

3318DB PAARL SIXTH EDITION SESDE UITGAWE 2000

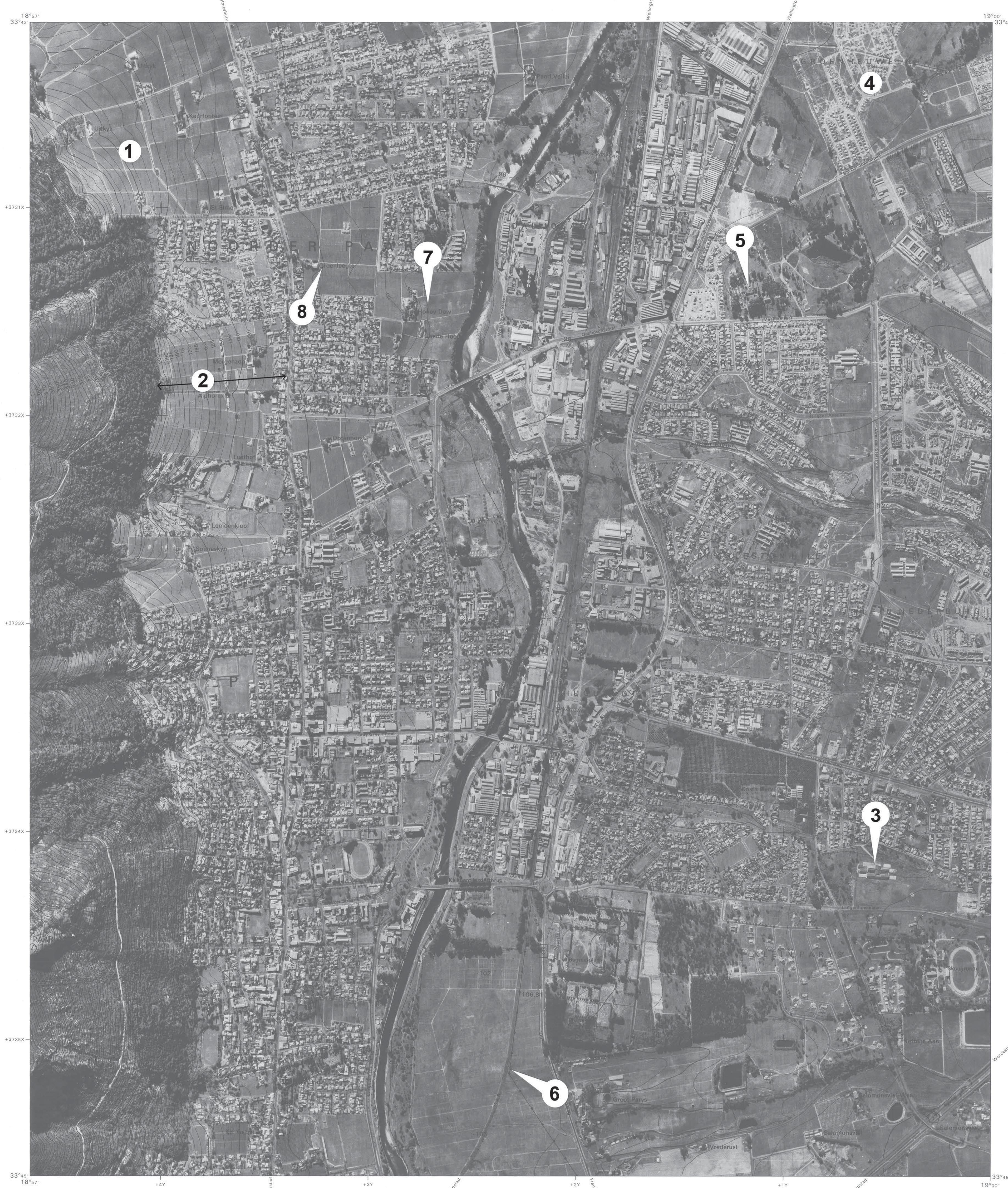
Geographical names, shown in this type face, have not been officially approved.

Geografiese name, in hierdie letterkond, is nie officieel goedgekeur nie.

1:10 000 SUID-AFRIKA  
SOUTH AFRICA

# 3318 DB 25 PAARL

ORTOFOTO KAARTREEKS  
ORTHOPHOTO MAP SERIES



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Published by the Chief Directorate: Surveys and Land Information, Private Bag X10, Mowbray.

Fotografie 498/304  
Photography 498/304

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Gauss Konforme Projeksie: Middelmeridiaan 19° Oos

Kontoortussenruimte 5 Meter

Ruittussenruimte 1 000 Meter

1:10 000



Gauss Conform Projection: Central Meridian 19° East

Contour Interval 5 Metres

Grid Interval 1 000 Metres

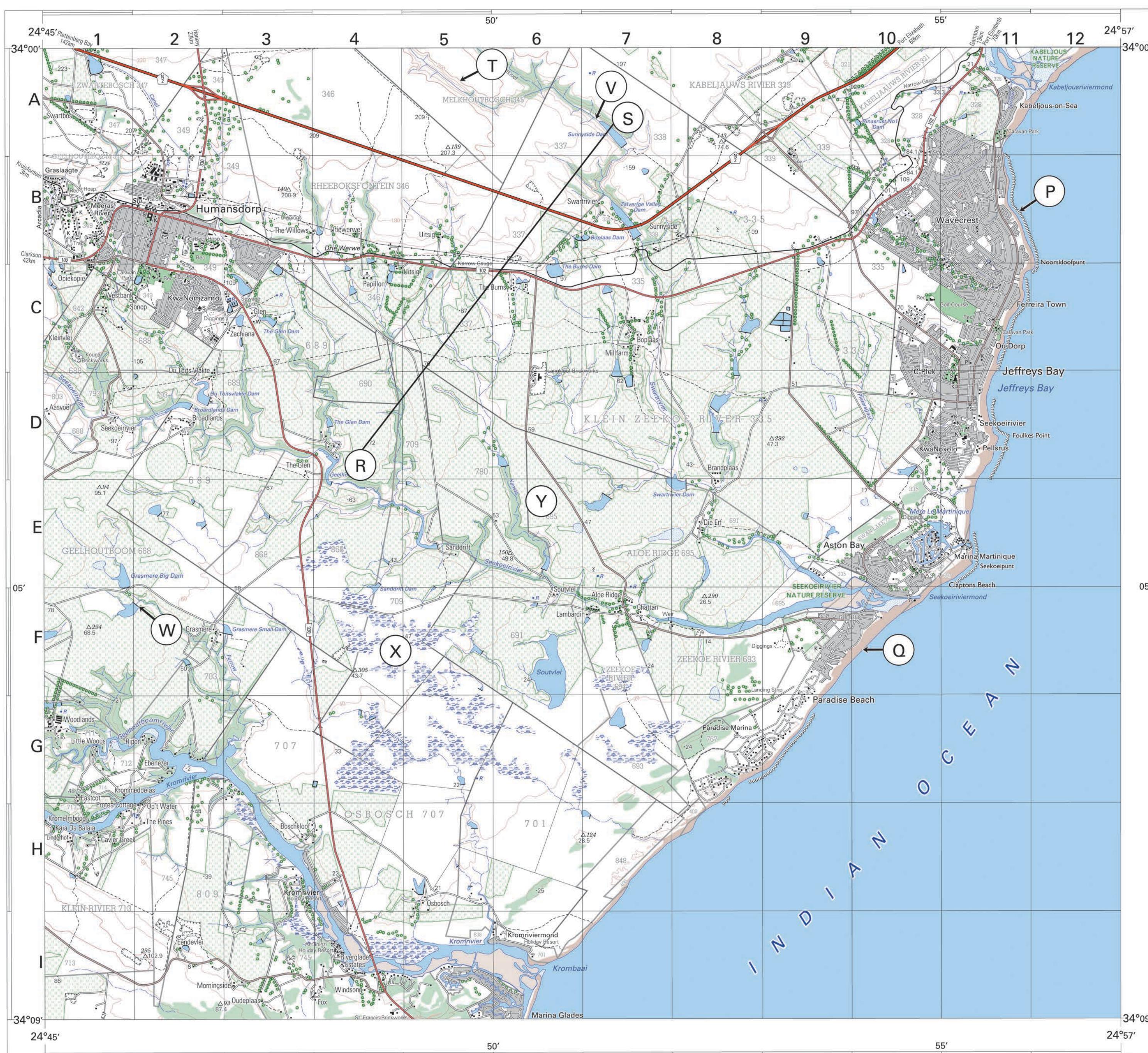
3318 DB 25  
DERDE UITGAWE  
THIRD EDITION  
1992

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DB19	DB20	CA16
DB24	DB25	CA21
DD4	DD5	CC1

## 3424BB HUMANSDORP

1:50 000 SOUTH AFRICA SUID-AFRIKA



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Heights are in metres above mean sea level  
Hoogtes is in meter bo gemiddelde seespiegel.

Printed by the Chief Directorate: Surveys and Mapping,  
Gedruk deur die Hoofdirektoraat: Opmetings en Kartering.

REFERENCE		VERKLARING	
National Freeway; National Route	Nasionale Desugpad; Nasionale Route	Hochverkeersroute	Internationale Grens en Baken
Arterial Road	Hoofpad	Hochverkeersroute	Provinciale Grens
Secondary Road; Bench Mark	Sekondêre Pad; Hoogtemerk	Hoofpad	Bewarings Gebied
Other Road; Bridge	Ander Pad; Brug	Ander Pad	Standhouende Rivier
Track and Hiking Trail	Douwe Pad en Voetslaappad	Douwe Pad en Voetslaappad	Perennial Water
Railway; Station or Siding	Spoorweg; Stasie of Slyn	Ander Spoorweg	Non-perennial Water
Other Railway; Tunnel	Ander Spoorweg; Tunnell	Opruiling; Dugout	Non-Perennial Water
Earthwork; Cutting	Kraglyn	Kraglyn	Dry Water Course
Power Line	Beboude Gebied (Hoe, Lae Dighed)	Beboude Gebied (Hoe, Lae Dighed)	Draai Loop
Built-up Area (High, Low Density)	L	L	Mooras en Vlei
Buildings; Ruin	P	P	Pyllyn (bo die grond)
Post Office; Police Station; Store	PS	PS	Watertoring; Reservoir; Waterpunt
Place of Worship; School; Hotel	W	W	Kuslystense
Fence	H	H	Provinciale Klaarplaats
Windpump; Monument	I	I	Erosion Sediment
Communication Tower	J	J	Erde Sand
Mine Dump; Excavation	K	K	Bebekte Gebied
Trigonometrical Station; Marine Beacon	L	L	Bewerks Land
Lighthouse and Marine Light	M	M	Board of Wingerd
Cemetery; Grave	N	N	Ontspanningsterrein
	O	O	Rye Bone

Cadastral information supplied by the Surveyor-General  
Original Farms

CONTOUR INTERVAL 20 METRES / KONTOERTUSSENHOOGTE 20 METER

Gauss Conform Projection. Central Meridian 25° East:  
Hartebeesthoek 94 Datum (WGS84 Ellipsoid).

Supplied by Hermanus Magnetic Observatory.

Gemiddelde magnetiese deklinasie 25°29' West van True North (July 2001).

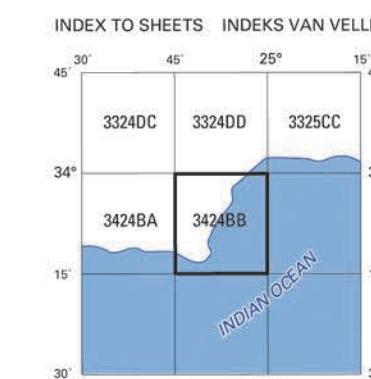
Mean annual change 9' Westwaarts 1995–2000.

Supplied by Hermanus Magnetic Observatory.

Gemiddelde jaarlike verandering 9' Westwaarts 1995–2000.

Voorseen deur die Hermanus Magnetiese Observatorium.

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REFERENCE

International Boundary and Beacon.	Internationale Grens en Baken
Provincial Boundary.	Provinciale Grens
Protected Area.	Bewarings Gebied
Perennial River.	Standhouende Rivier
Perennial Water.	Standhouende Water
Non-perennial River.	Nie-standhouende Rivier
Non-Perennial Water.	Nie-standhouende Water
Dry Water Course.	Nie-standhouende Loop
Opvalding; Dugout.	Draai Loop
Earthwork.	Mooras en Vlei
Marsh and Vlei.	Pyllyn (bo die grond)
Pipeline (above ground).	Watertoring; Reservoir; Waterpunt
Water Tower; Reservoir; Water Point.	Kuslystense
Coastal Rocks.	Provinciale Klaarplaats
Promontory Rock Outcrop.	Erosion Sediment
Erosion Sediment.	Erde Sand
Woodland.	Bebekte Gebied
Cultivated Land.	Bewerks Land
Orchard or Vineyard.	Board of Wingerd
Recreation Ground.	Ontspanningsterrein
Row of Trees.	Rye Bone

Kadastrale inligting verstrek deur die Landmeter-generaal

Oorspronklike Plattegrond

3424BB HUMANSDORP THIRD EDITION DERDE UITGAWE 1999

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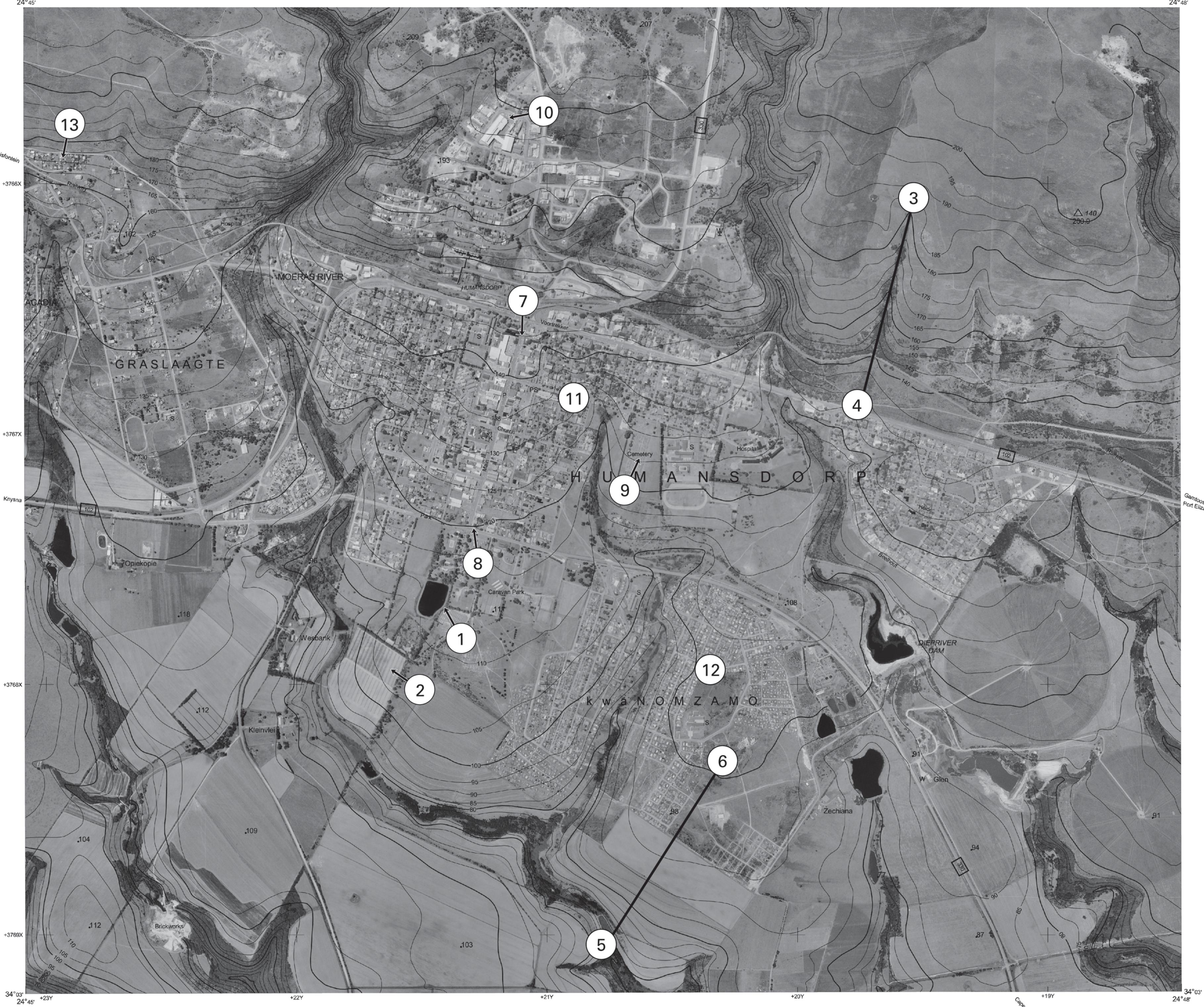
# 3424 BB 1 HUMANSDORP

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ORTOFOTO KAARTREKS

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SOUTH AFRICA  
SUID-AFRIKA

24°45'



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GePubliseer deur die Hoof Direktoraat: Opmetings en Kartering, Privaatsak X10, Mowbray.

Photography 498257  
Fotografie 499357

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Gauss Conform Projection. Central Meridian 25° East

Contour Interval 5 Meters

Grid Interval 1 000 Meters

Hartebeesthoek 94 Datum

WGS84 Ellipsoid

1:10 000



Gauss Konforme Projeksie. Middelmeridiaan 25° Oos

Kontoertussenruimte 5 Meter

Ruittussenruimte 1 000 Meter

Hartebeesthoek 94 Datum

WGS84 Ellipsoid

3424 BB 1

SECOND EDITION  
TWEDE UITGAWE  
1999

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3324DC25	3324DD21	3324DD22
3424BA5	3424BB1	3424BB2
3424BA10	3424BB6	3424BB7

24°49'