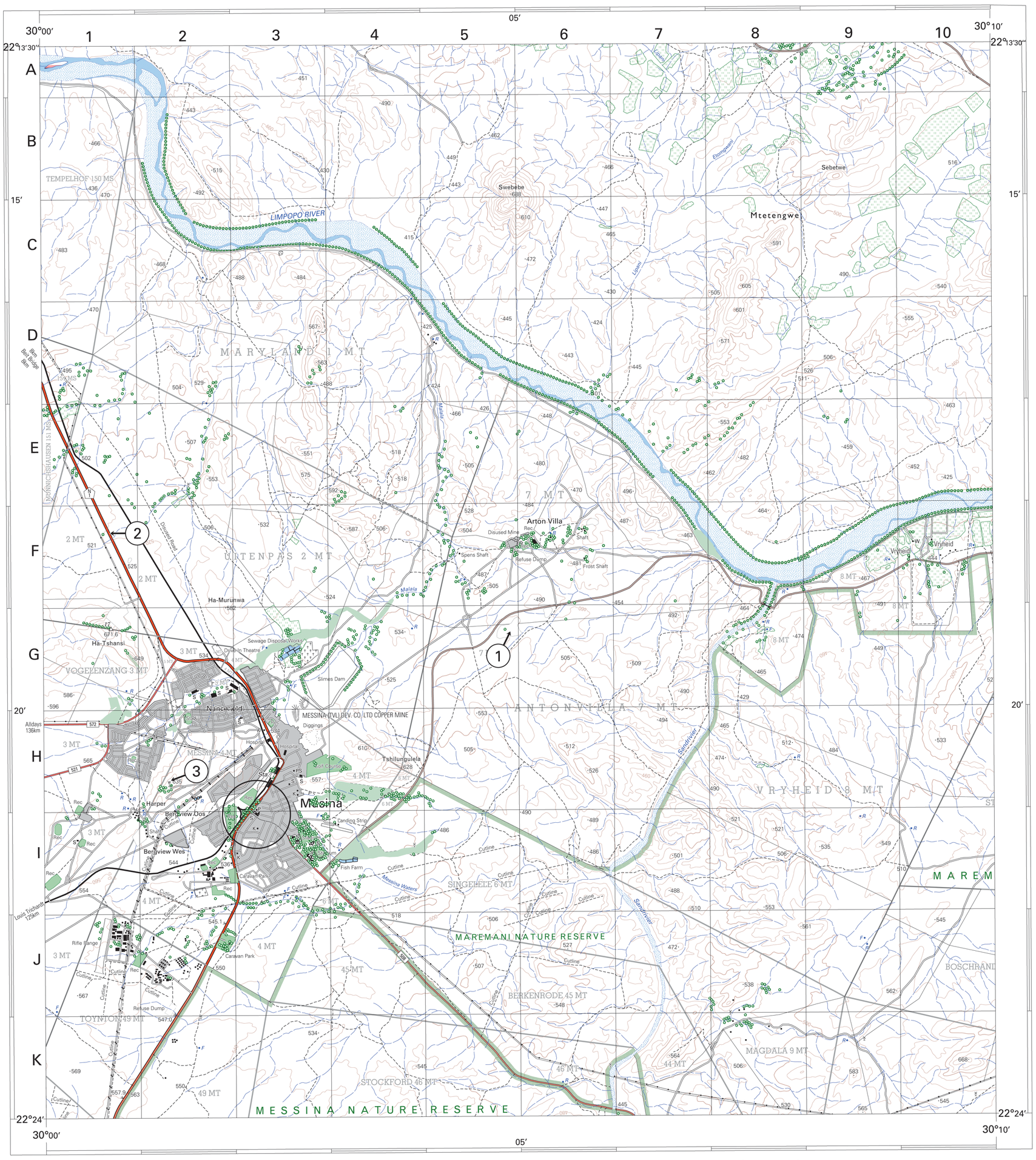
2230AA&AC MUSINA

1:50 000 SOUTH AFRICA SUID-AFRIKA



Metres 1000 0 1 2 3 4 5 6 7 8 9 Kilometres

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

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CONTOUR INTERVAL 20 METRES KONTOERTUSSENRUIMTE 20 METER

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

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 deklinasie 12°57′ Wes van Ware Noord(Julie 2002).
Gemiddelde jaarlikse verandering 7′ Weswaarts(2000–2005).
Voorsien deur die Hermanus Magnetiese Observatorium.

True N. Ware N. Mag N.

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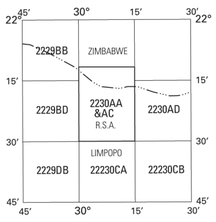

WGS84

REFERENCE / VERKLARING

REFERENCE	VERKLARING
National Freeway; National Route	Nasionale Deurpad; Nasionale Roete
Arterial Route	Hoofverkeersroete
Main Road	Hoofpad
Secondary Road; Bench Mark	Sekondêre Pad; Hoogtemerk
Other Road; Bridge	Ander Pad; Brug
Track and Hiking Trail	Dowwe Pad en Voetslaanpad
Railway; Station or Siding	Spoorweg; Stasie of Sylyn
Other Railway; Tunnel	Ander Spoorweg; Tonnel
Embankment; Cutting	Opvulling; Deurgrawing
Power Line	Kraglyn
Built–up Area (High, Low Density)	Beboude Gebied (Hoë, Lae Digtheid)
Buildings; Ruin	Geboue; Murasie
Post Office; Police Station; Store	Poskantoor; Polisiestasie; Winkel
Place of Worship; School; Hotel	Plek van Aanbidding; Skool; Hotel
Fence; Wall	Draadheining; Muur
Windpump; Monument	Windpomp; Monument
Communication Tower	Kommunikasietoring
Mine Dump; Excavation	Mynhoop; Uitgrawing
Trigonometrical Station; Marine Beacon	Peilbaken; Seevaartbaken
Lighthouse and Marine Light	Vuurtoring en Seevaartlig
Cemetery; Grave	Begraafplaas; Graf

Cadastral information supplied by the Surveyor–General
Original Farms .....

REFERENCE / VERKLARING

REFERENCE	VERKLARING
International Boundary and Beacon	Internasionale Grens en Baken
Provincial Boundary	Provinsiale Grens
Protected Area	Bewarings Gebied
Perennial River	Standhoudende Rivier
Perennial Water	Standhoudende Water
Non–perennial River	Nie–standhoudende Rivier
Non–Perennial Water	Nie–standhoudende Water
Dry Water Course	Droë Loop
Dry Pan	Droë Pan
Marsh and Vlei	Moeras en Vlei
Pipeline (above ground)	Pyplyn (bo die grond)
Water Tower; Reservoir; Water Point	Watertoring; Reservoir; Waterpunt
Coastal Rocks	Kuslynrotse
Prominent Rock Outcrop	Prominente Klipbank
Erosion; Sand	Erosie; Sand
Woodland	Beboste Gebied
Cultivated Land	Bewerkte Land
Orchard or Vineyard	Boord of Wingerd
Recreation Ground	Ontspanningsterrein
Row of Trees	Rye Bome

Kadastrale inligting verstrek deur die Landmeter–generaal
Oorspronklike Plase .....

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.

2230AA MUSINA THIRD EDITION DERDE UITGAWE 1999

2230 AC 11 MUSINA (SOUTH)

ORTHOPHOTO MAP SERIES
ORTOFOTO KAARTREEKS

1 : 10 000

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

Ruittussenruimte 1 000 Meter

Hartebeesthoek 94 Datum

WGS84 Ellipsoid

2230 AC 11

SECOND EDITION
TWEEDE UITGAWE
2004

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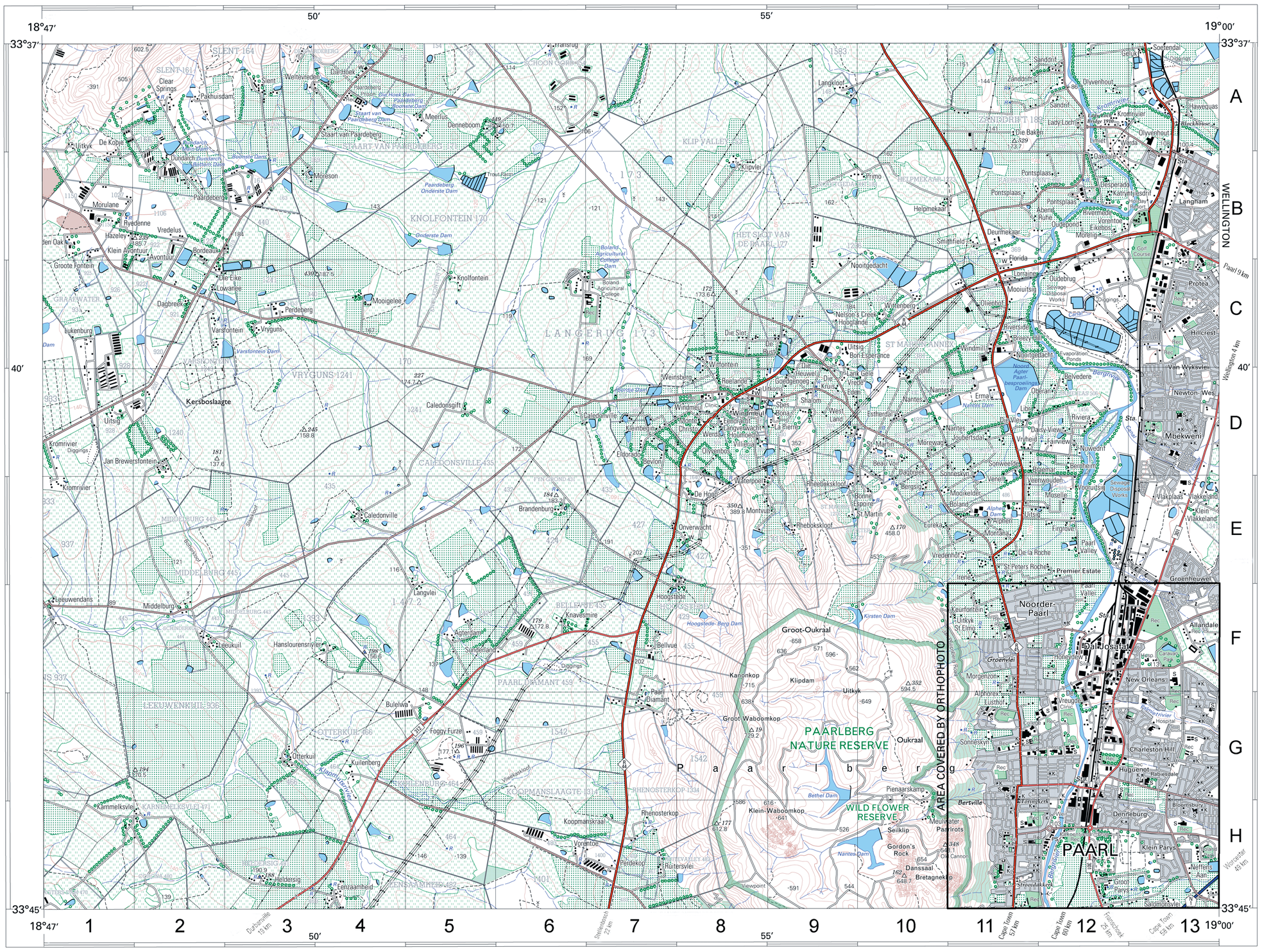
2229BD10	2230AC6	2230AC7
2229BD15	2230AC11	2230AC12
2229BD20	2230AC16	2230AC17

30°00'

maps on A1.indd 2 8/8/12 12:54 PM

3318DB PAARL

1:50 000 SOUTH AFRICA SUID- AFRIKA



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Metres 1000 0 1 2 3 4 5 6 7 8 9 Kilometres

Printed by the Government Printer, Private Bag X85, Pretoria
Gedruk deur die Staatsdrukker, Privaatsak X85, Pretoria

REFERENCE

National Freeway; National Route	N
Arterial Route	R
Main Road	
Secondary Road; Bench Mark	
Other Road; Bridge	
Track and Hiking Trail	
Railway; Station or Siding	
Other Railway; Tunnel	
Embankment; Cutting	
Power Line	
Built-up Area (High, Low Density)	
Buildings; Ruin	L
Post Office; Police Station; Store	P PS W
Place of Worship; School; Hotel	K S H
Fence; Wall	
Windpump; Monument	
Communication Tower	
Mine Dump; Excavation	
Trigonometrical Station; Marine Beacon	
Lighthouse and Marine Light	
Cemetery; Grave	†

VERKLARING

National Freeway; National Route	Nasionale Deurpad; Nasionale Roete
Arterial Route	Hoofverkeersroete
Main Road	Hoofpad
Secondary Road; Bench Mark	Sekondêre Pad; Hoogtemerk
Other Road; Bridge	Ander Pad; Brug
Track and Hiking Trail	Dowwe Pad en Voetslaanpad
Railway; Station or Siding	Spoorweg; Stasie of Sylyn
Other Railway; Tunnel	Ander Spoorweg; Tonnel
Embankment; Cutting	Opvulling; Deurgrawing
Power Line	Kraglyn
Built-up Area (High, Low Density)	Beboude Gebied (Hoë, Lae Digtheid)
Buildings; Ruin	Geboue; Murasie
Post Office; Police Station; Store	Poskantoor; Polisiestasie; Winkel
Place of Worship; School; Hotel	Plek van Aanbidding; Skool; Hotel
Fence; Wall	Draadheining; Muur
Windpump; Monument	Windpomp; Monument
Communication Tower	Kommunikasietoring
Mine Dump; Excavation	Mynhoop; Uitgrawing
Trigonometrical Station; Marine Beacon	Peilbaken; Seevaartbaken
Lighthouse and Marine Light	Vuurtoring en Seevaartlig
Cemetery; Grave	Begraafplaas; Graf

Cadastral information supplied by the Surveyor-General
Original Farms .....

Geographical names, show in this type face, have not been officially approved.
Geografiese name, in hierdie letterbeeld, is nie offisieel goedgekeur nie.

Mean magnetic declination 23°33′ West of True North(July 2002).
Mean annual change 6′ Westwards(2000–2005).
Supplied by Hermanus Magnetic Observatory.

Gemiddelde magnetiese deklinasie 23°33′ Wes van Ware Noord(Julie 2002).
Gemiddelde jaarlikse verandering 6′ Weswaarts(2000–2005).
Voorsien deur die Hermanus Magnetiese Observatorium.

True N. Ware N. Mag N.

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.

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

CONTOUR INTERVAL 20 METRES KONTOERTUSSENRUIMTE 20 METER

Gauss Conform Projection. Central Meridian 19° East.
Hartebeesthoek 94 Datum (WGS84 Ellipsoid).

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3318BC	3318BD	3319AC
	WESTERN CAPE	
3318DA	3318DB	3319CA
3318DC	3318DD	3319CC

30′ 45′ 19° 15′ 15′ 30′ 45′ 34°

WGS84

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.

Die ruitlyne van die Suid-Afrikaanse Koordinaatstelsel word in die kantruimte aangetoon deur kort swart strepies 10 000 meter van mekaar, met koördinaatwaardes in eenhede van 10 000 meter in blou.

Alle pogings moontlik word aangewend om die akkuraatheid van hierdie kaart te verseker. Gebruikers word versoek om die Hoofdirektoraat: Opmetings en Kartering, te verwittig van enige foute of weglatings.

REFERENCE

International Boundary and Beacon	
Provincial Boundary	
Protected Area	
Perennial River	
Perennial Water	
Non-perennial River	
Non-Perennial Water	
Dry Water Course	
Dry Pan	
Marsh and Vlei	
Pipeline (above ground)	P
Water Tower; Reservoir; Water Point	WT R F
Coastal Rocks	
Prominent Rock Outcrop	
Erosion; Sand	
Woodland	
Cultivated Land	
Orchard or Vineyard	
Recreation Ground	Rec
Row of Trees	

VERKLARING

International Boundary and Beacon	Internasionale Grens en Baken
Provincial Boundary	Provinsiale Grens
Protected Area	Bewarings Gebied
Perennial River	Standhoudende Rivier
Perennial Water	Standhoudende Water
Non-perennial River	Nie-standhoudende Rivier
Non-Perennial Water	Nie-standhoudende Water
Dry Water Course	Droë Loop
Dry Pan	Droë Pan
Marsh and Vlei	Moeras en Vlei
Pipeline (above ground)	Pyplyn (bo die grond)
Water Tower; Reservoir; Water Point	Watertoring; Reservoir; Waterpunt
Coastal Rocks	Kuslynrotse
Prominent Rock Outcrop	Prominente Klipbank
Erosion; Sand	Erosie; Sand
Woodland	Beboste Gebied
Cultivated Land	Bewerkte Land
Orchard or Vineyard	Boord of Wingerd
Recreation Ground	Ontspanningsterrein
Row of Trees	Rye Bome

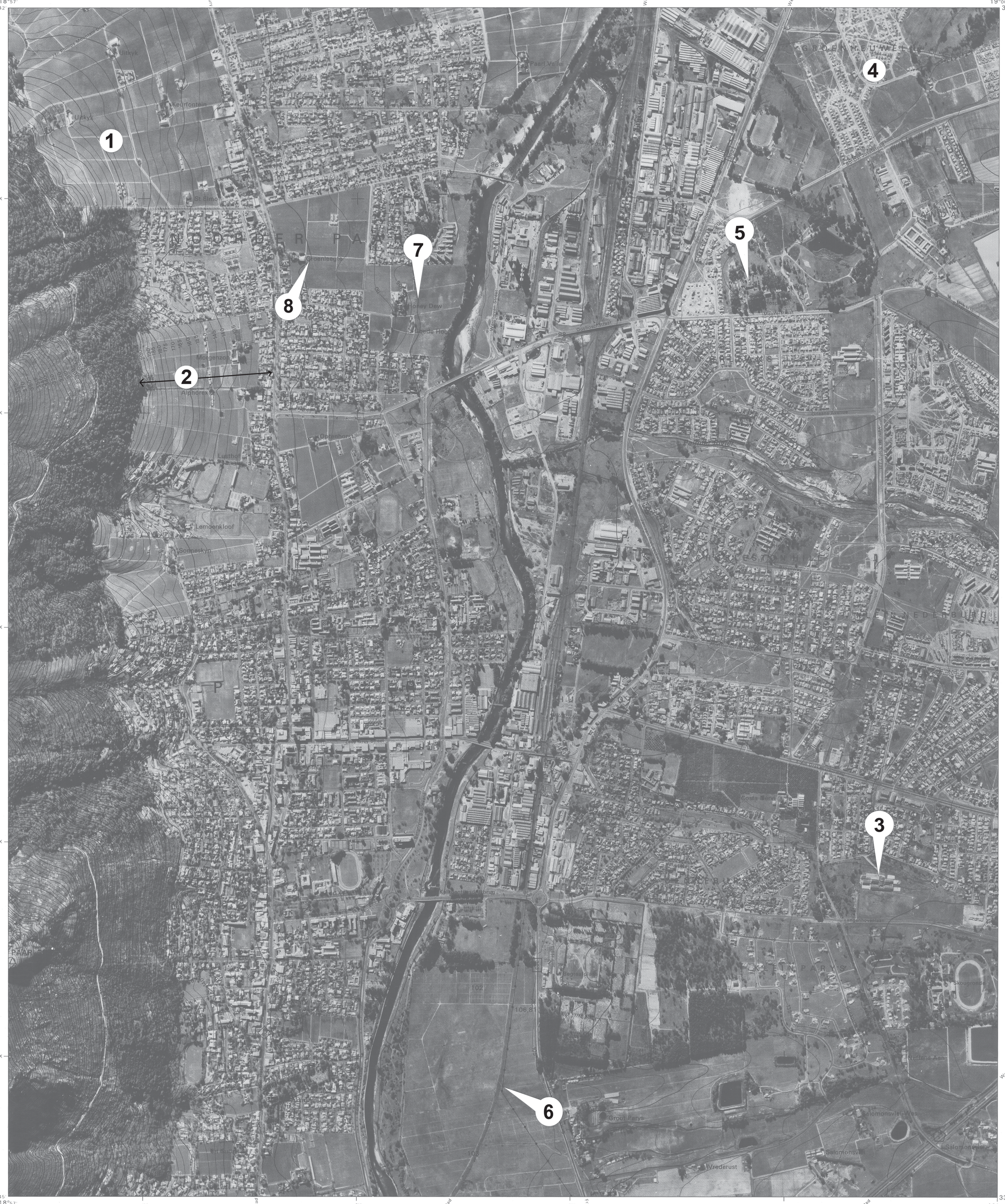
Kadastrale inligting verstrek deur die Landmeter-generaal
Oorspronklike Plase .....

3318DB PAARL SIXTH EDITION SESDE UITGAWE 2000

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

Kontoertussenruimte 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

INDEKS VAN VELLE INDEX TO SHEETS

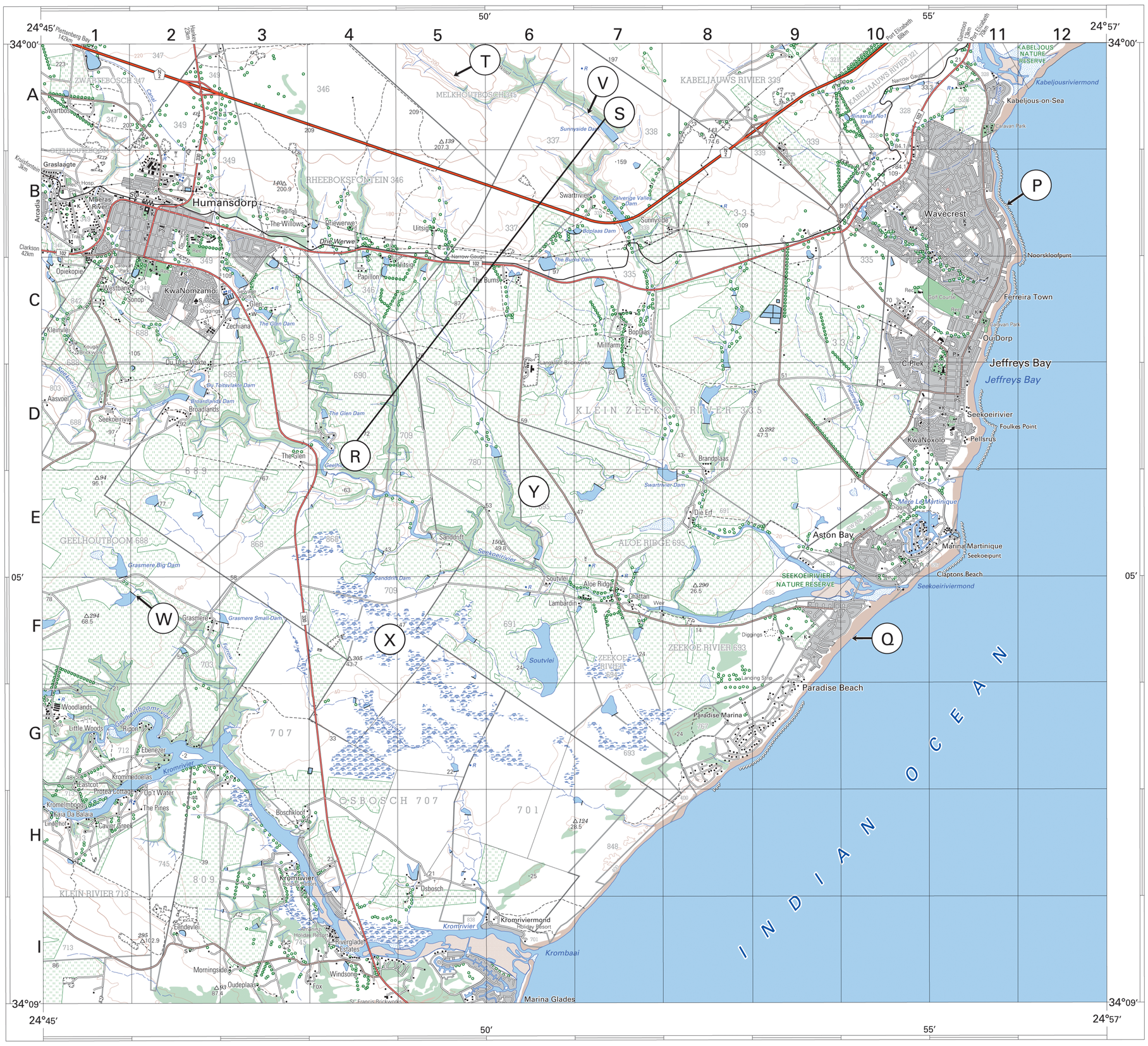
DB19	DB20	CA16
DB24	DB25	CA21
DD4	DD5	CC1

33°45'
19°00'

maps on A1.indd 4 8/8/12 12:54 PM

3424BB HUMANSDORP

1:50 000 SOUTH AFRICA SUID-AFRIKA



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Metres 1000 0 1 2 3 4 5 6 7 8 9 Kilometres

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

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CONTOUR INTERVAL 20 METRES KONTOERTUSSENRUIMTE 20 METER

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

REFERENCE / VERKLARING

REFERENCE	VERKLARING
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Windpump; Monument	Windpomp; Monument
Communication Tower	Kommunikasietoring
Mine Dump; Excavation	Mynhoop; Uitgrawing
Trigonometrical Station; Marine Beacon	Peilbaken; Seevaartbaken
Lighthouse and Marine Light	Vuurtoring en Seevaartlig
Cemetery; Grave	Begraafplaas; Graf

Cadastral information supplied by the Surveyor–General
Original Farms .....

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Gemiddelde magnetiese deklinasie 25°29′ Wes van Ware Noord(Julie 2001).
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Map N
True N.
Ware N.

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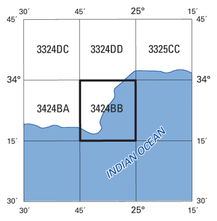

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Marsh and Vlei	Moeras en Vlei
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Erosion; Sand	Erosie; Sand
Woodland	Beboste Gebied
Cultivated Land	Bewerkte Land
Orchard or Vineyard	Boord of Wingerd
Recreation Ground	Ontspanningsterrein
Row of Trees	Rye Bome

Kadastrale inligting verstrek deur die Landmeter–generaal
Oorspronklike Plase .....

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WGS84

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3424BB HUMANSDORP THIRD EDITION DERDE UITGAWE 1999

3424 BB 1 HUMANSDORP

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ORTOFOTO KAARTREEKS

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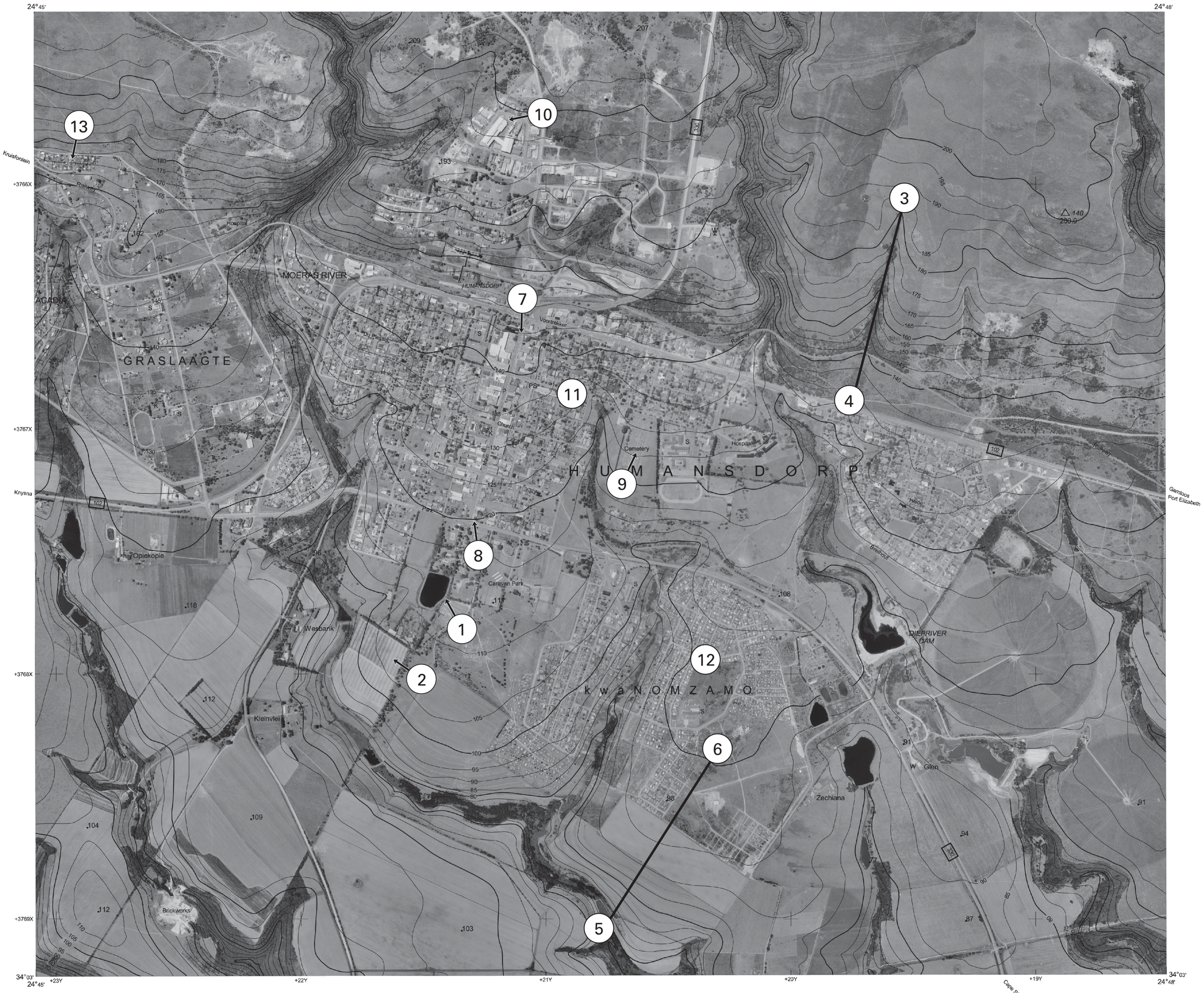
SOUTH AFRICA
SUID-AFRIKA



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Photography 498/357
Fotografie 498/357

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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

WGS84

Gauss Konforme Projeksie. Middelmeridiaan 25° Oos

Kontoertussenruimte 5 Meter

Ruittussenruimte 1 000 Meter

Hartebeesthoek 94 Datum

WGS84 Ellipsoid

3424 BB 1

SECOND EDITION
TWEEDE UITGAWE
1999

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

34°00'
24°45'