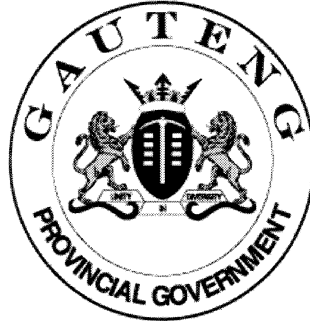


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EXAMINATION  
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**OCTOBER / NOVEMBER  
OKTOBER / NOVEMBER**

**2004**

**GEOGRAPHY**

***AARDRYKSKUNDE***

**(First Paper: Diagram Book)  
(Eerste Vraestel:  
Diagramboek)**

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**502-3/X (LS)**

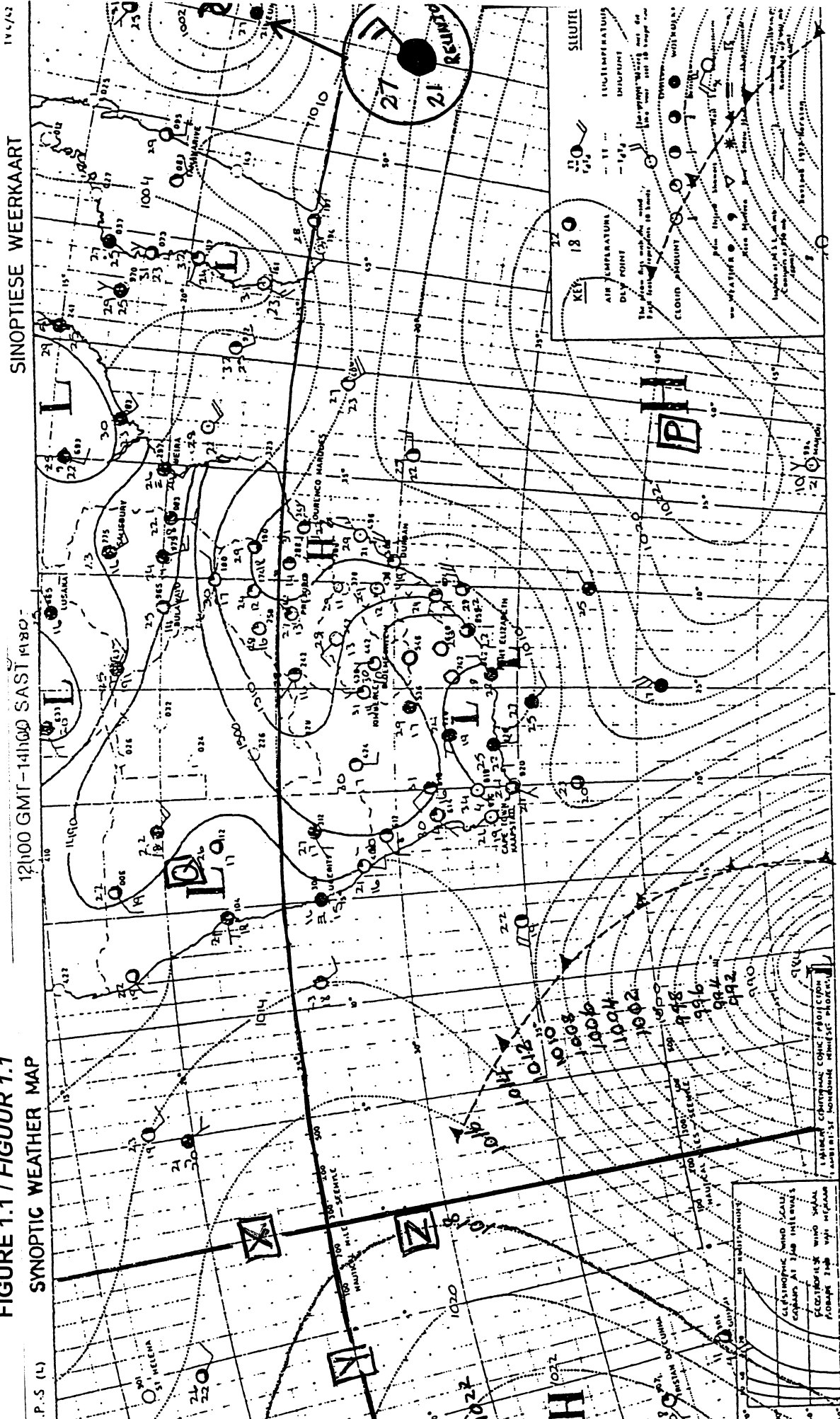
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FIGURE 1.1 / FIGUUR 1.1  
SYNOPTIC WEATHER MAP



AFLEIDING

Die kouefront wes van die land beweeg ooswaarts en dit sal bewolk word oor die Skiereiland met reën. 'n Trog van lae druk is in die bolg wes van die land geleë en verdere reën en buie sal oor die westelike en sentrale dele uitsak.

INFERENCE

The cold front west of the country is moving eastwards and it will become cloudy with rain over the southwestern Cape coastal areas. A trough in the upper air is situated west of the country and further rain and showers will occur over the western and central areas of the country.



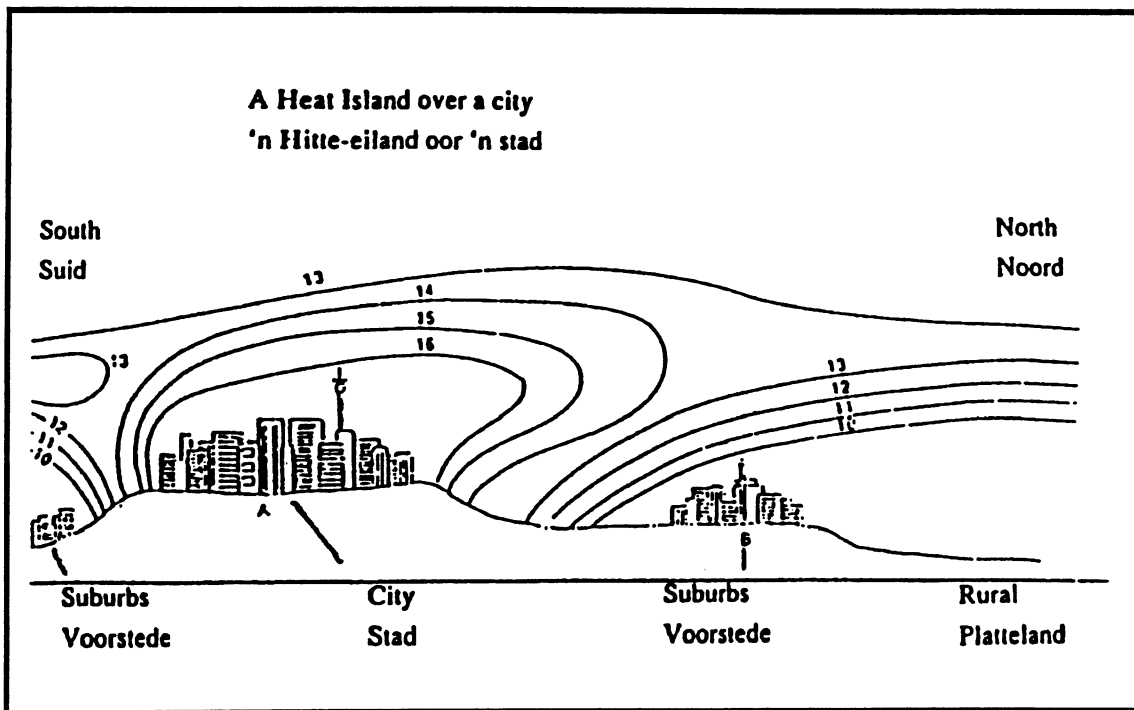


Figure 1.2 / *Figuur 1.2*

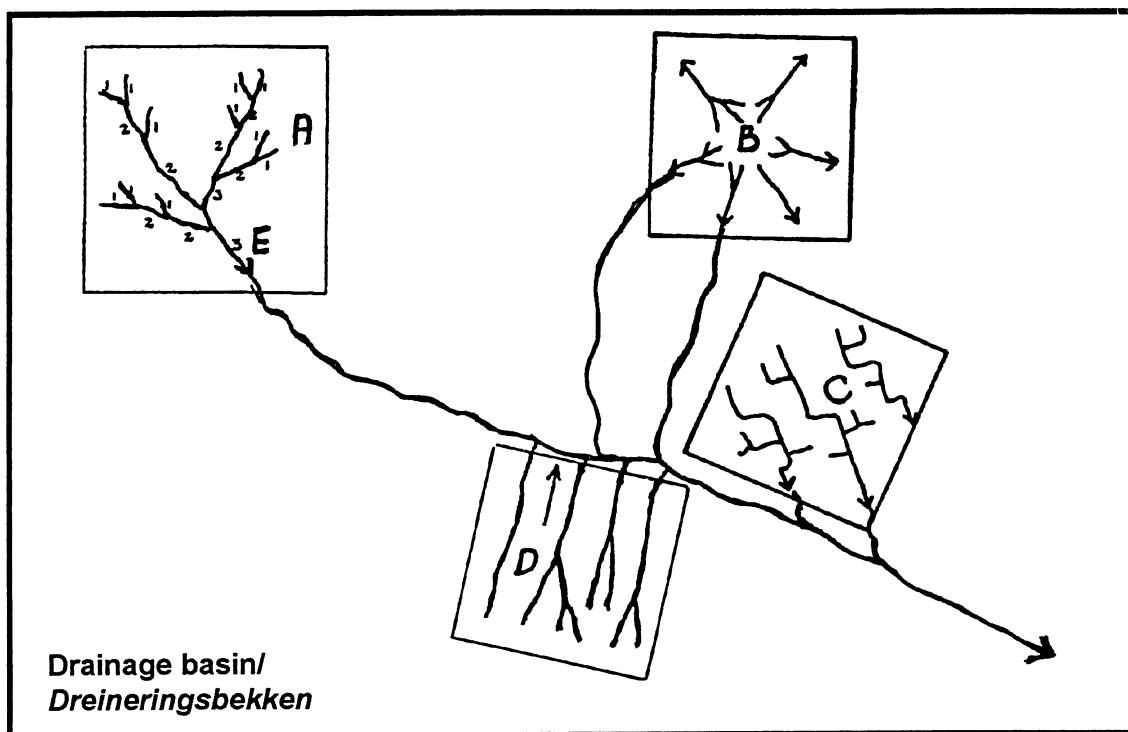


Figure 1.3(a) / *Figuur 1.3(a)*



FIGUUR 1.3(b)

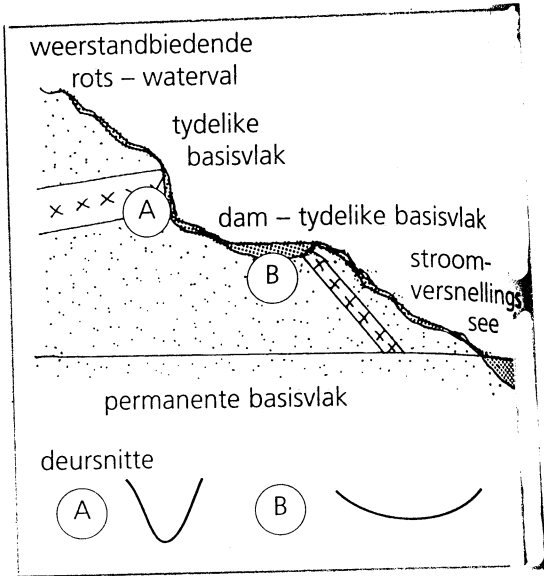
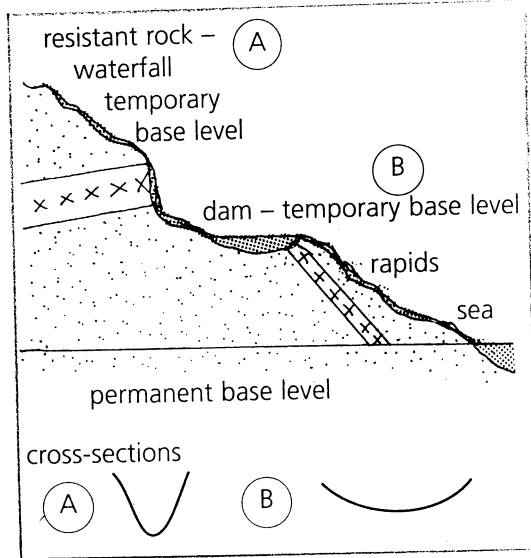
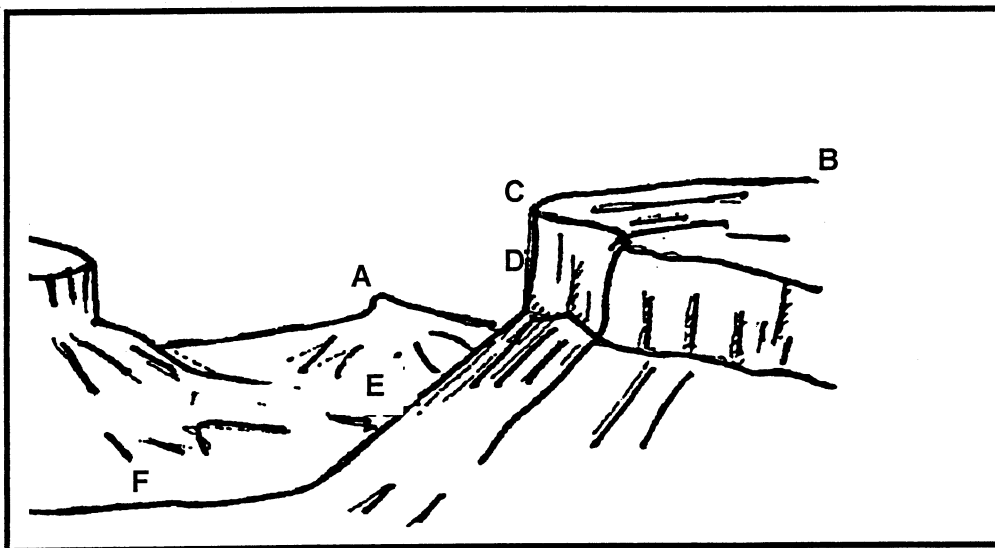
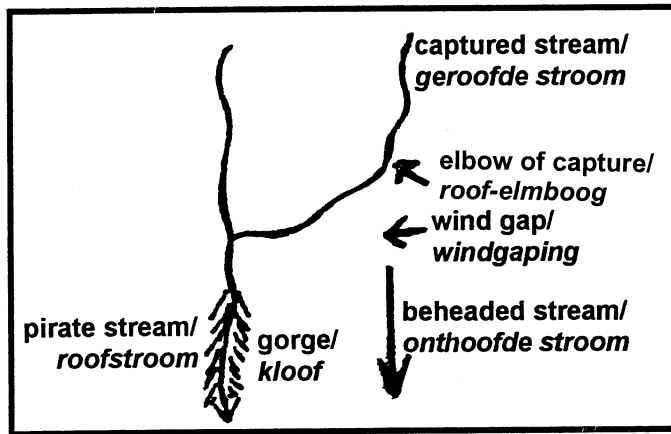


FIGURE 1.3(b)



Stream capture / Stroomroof

FIGURE 1.4  
 FIGUUR 1.4



P.T.O./b.o.

FIGURE 2.3 / FIGUUR 2.3





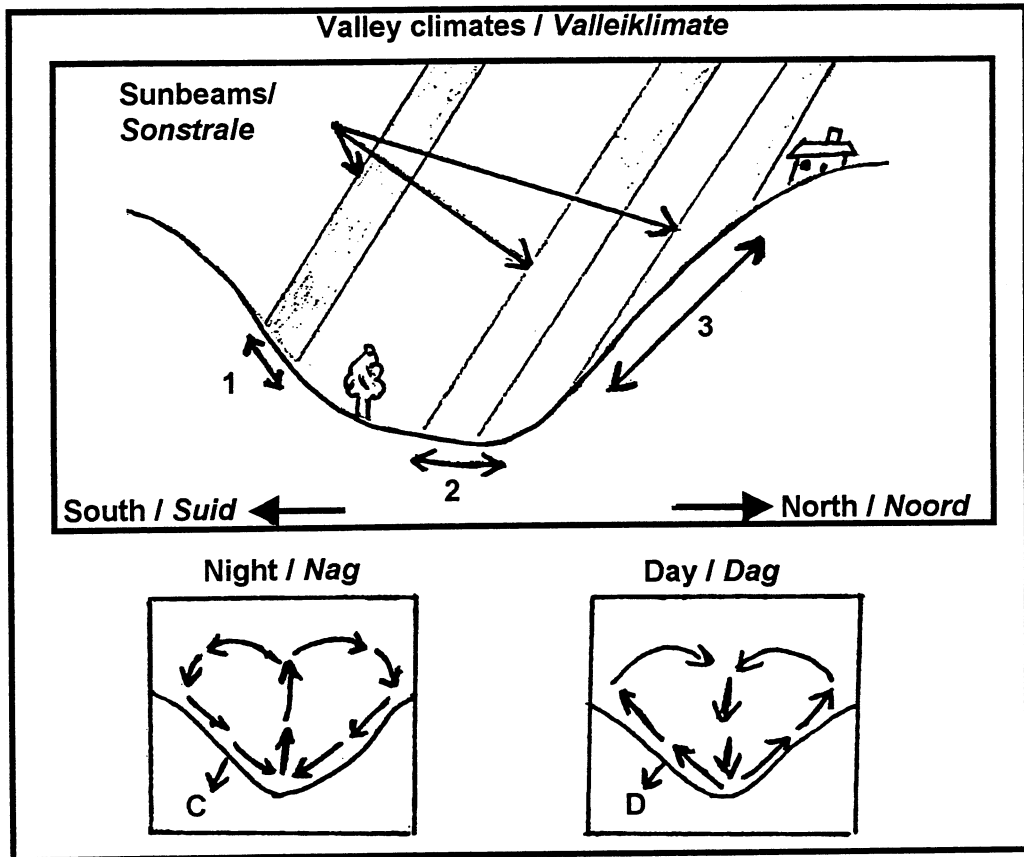


FIGURE 2.4 / FIGUUR 2.4

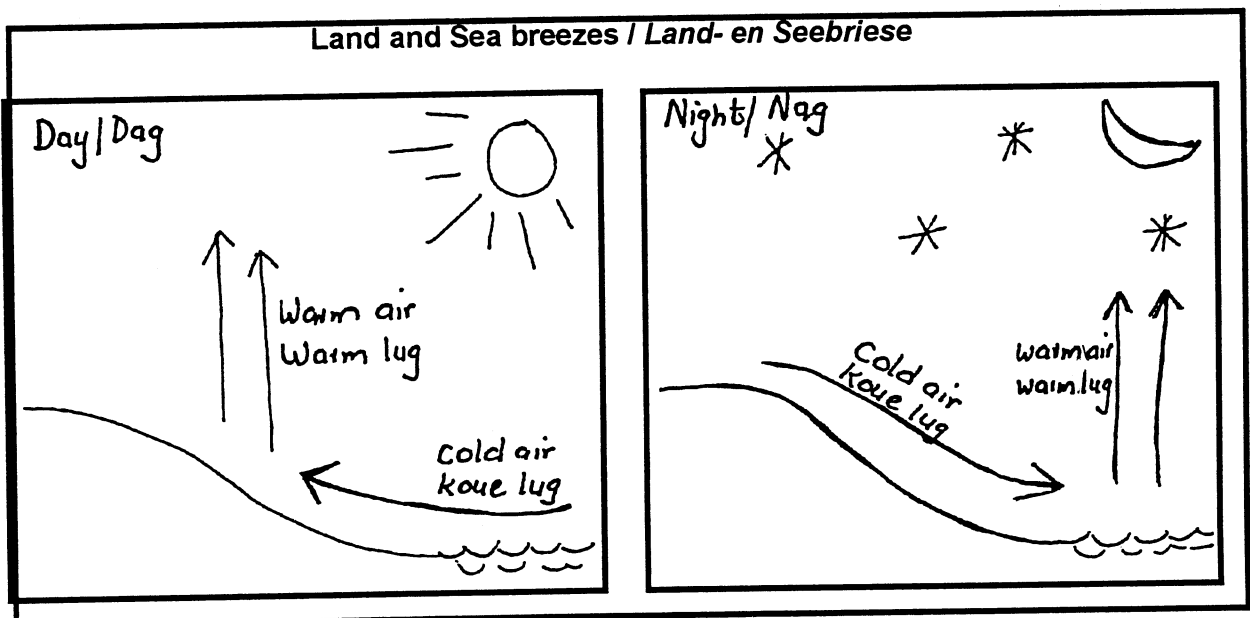


FIGURE 2.5 / FIGUUR 2.5



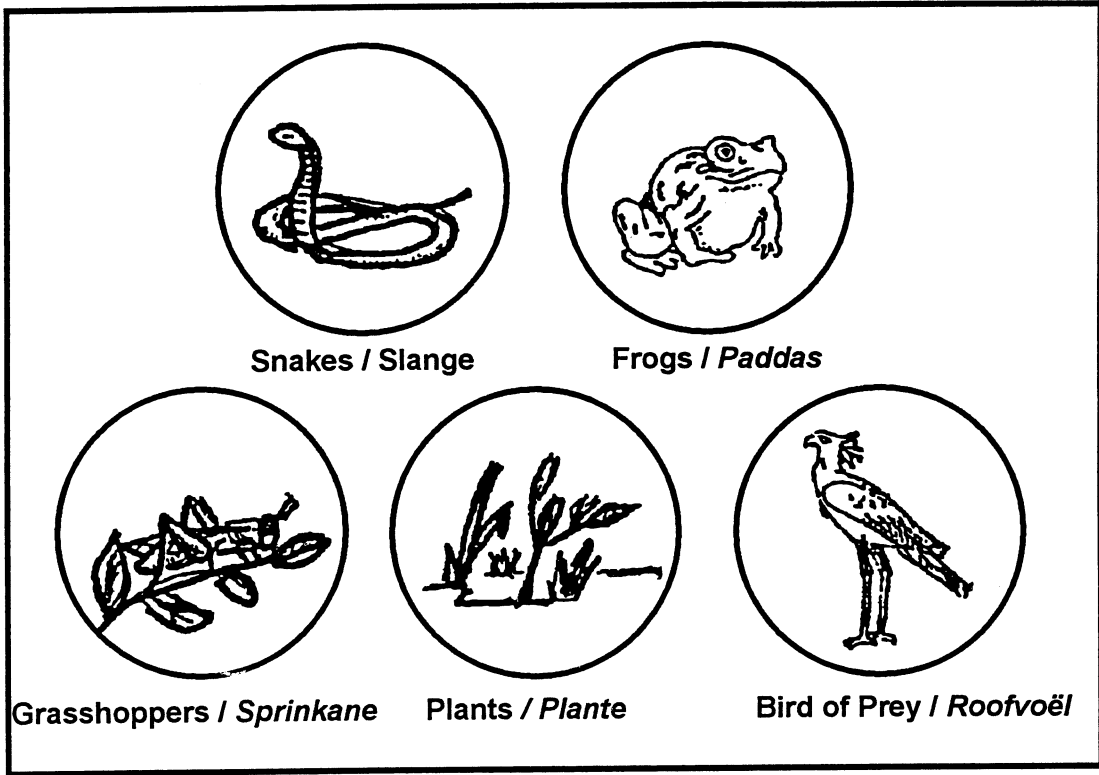


FIGURE 2.6 / FIGUUR 2.6

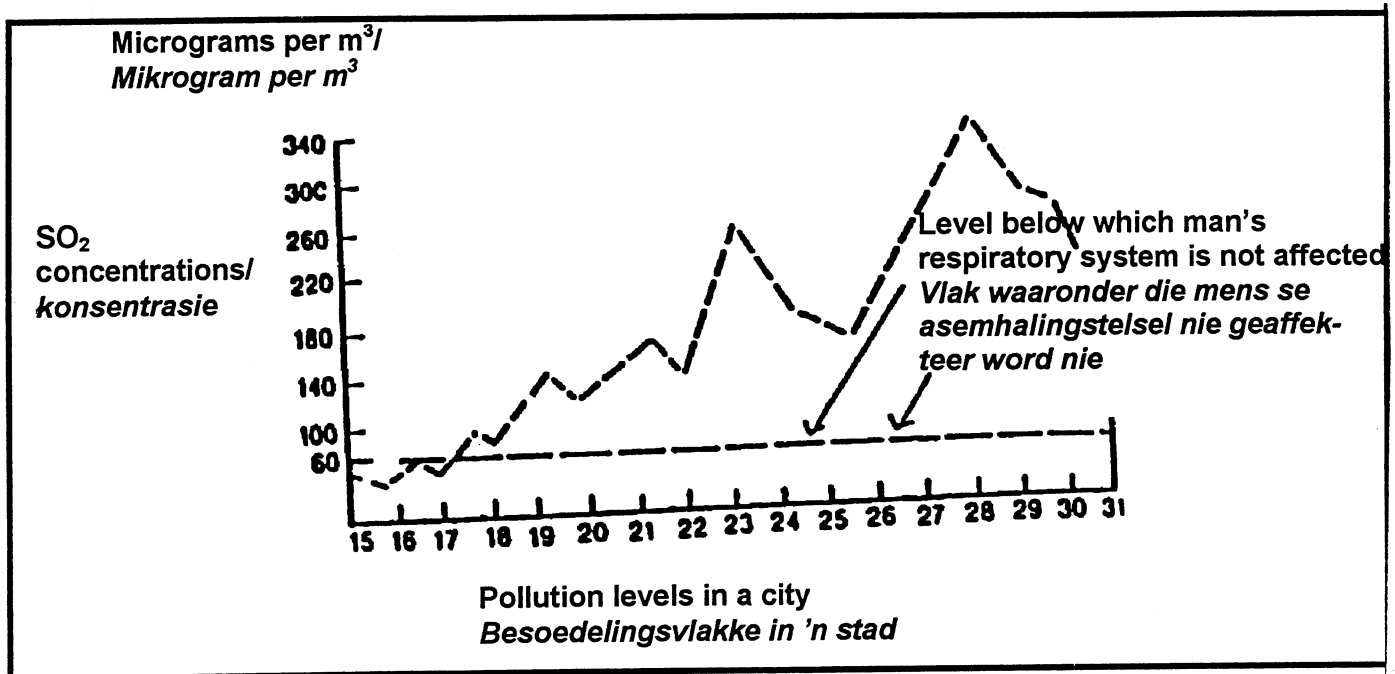
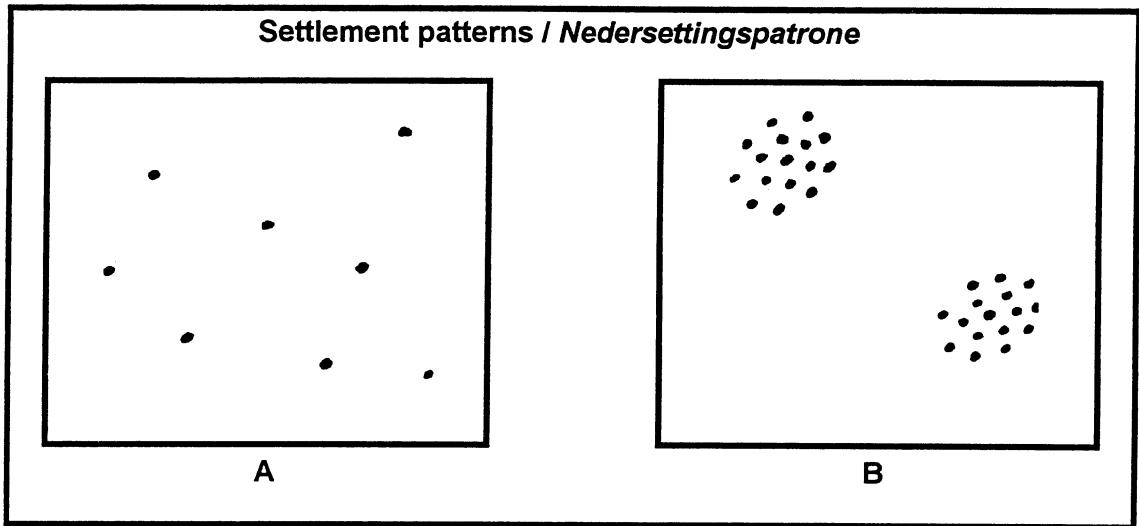
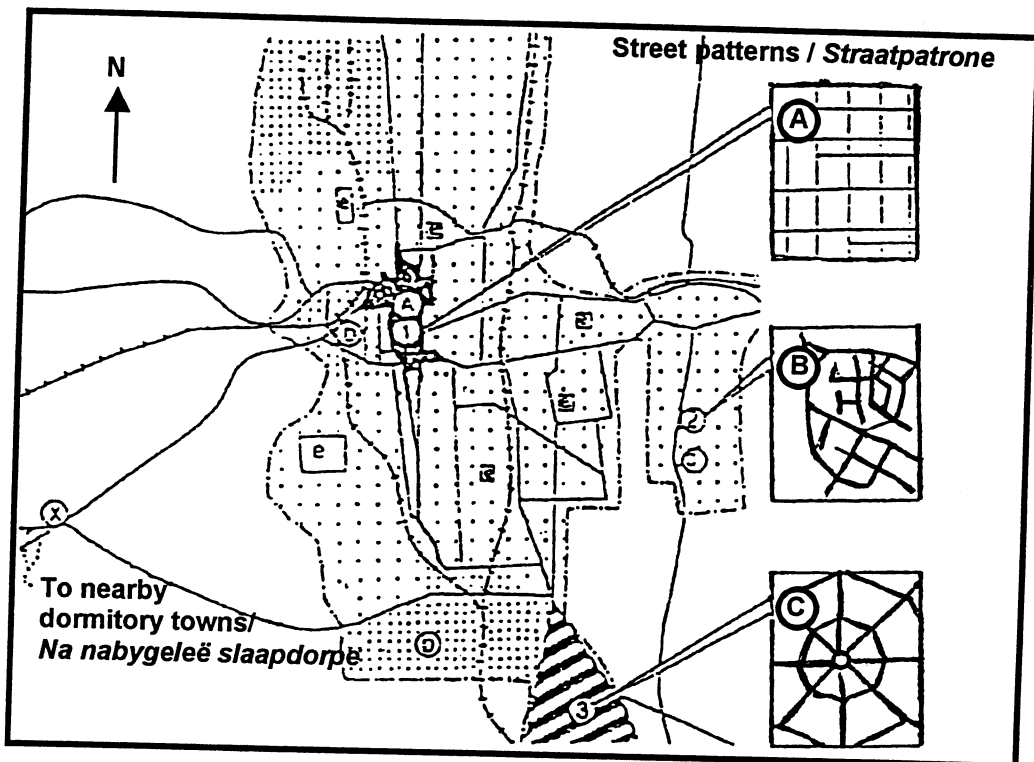


FIGURE 2.8 / FIGUUR 2.8





**FIGURE 3.4 / FIGUUR 3.4**



**FIGURE 3.7 / FIGUUR 3.7**



FIGURE 3.8

FIGUUR 3.8

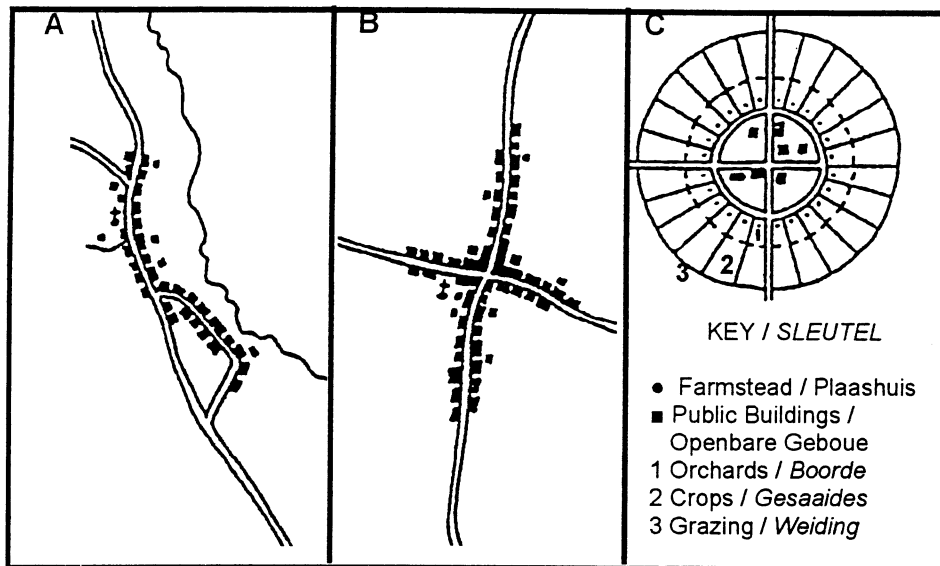
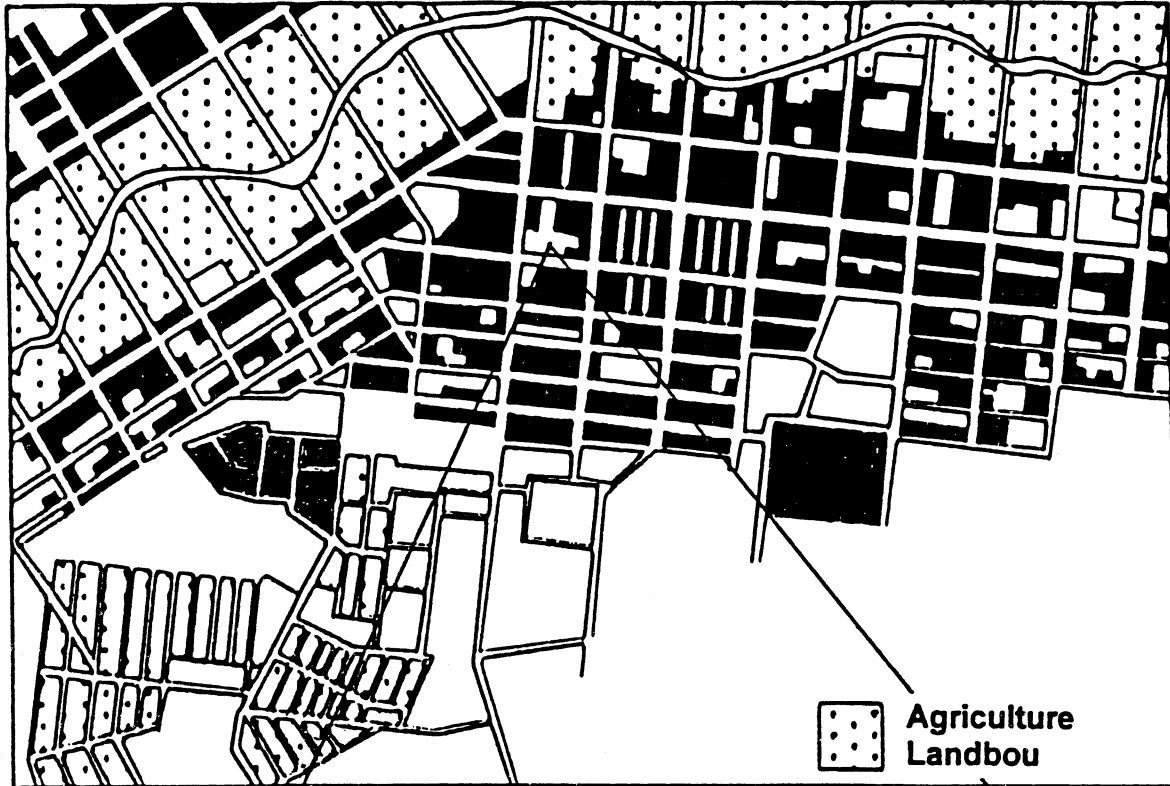
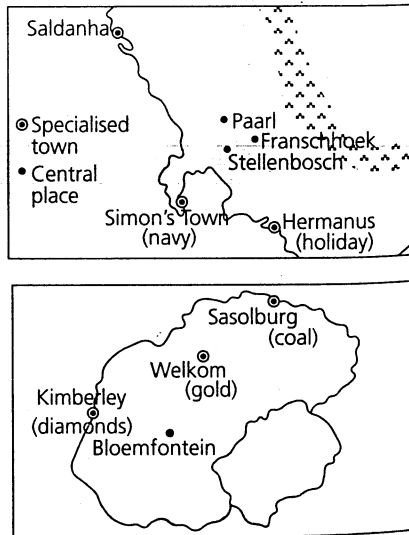


FIGURE 4.1 / FIGUUR 4.1

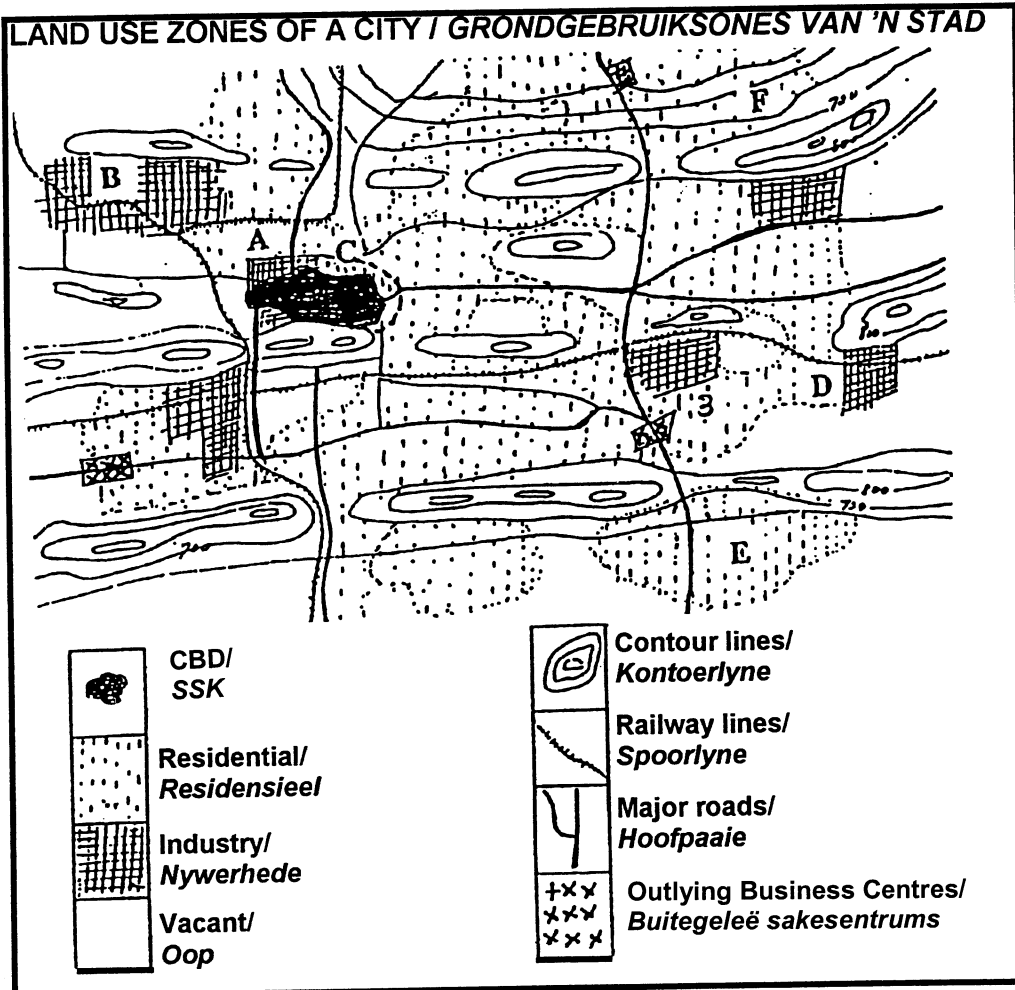
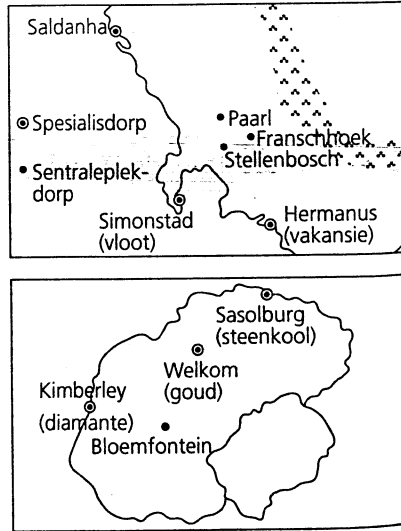




**FIGURE 4.3**



**FIGUUR 4.3**



**FIGURE 4.4 / FIGUUR 4.4**



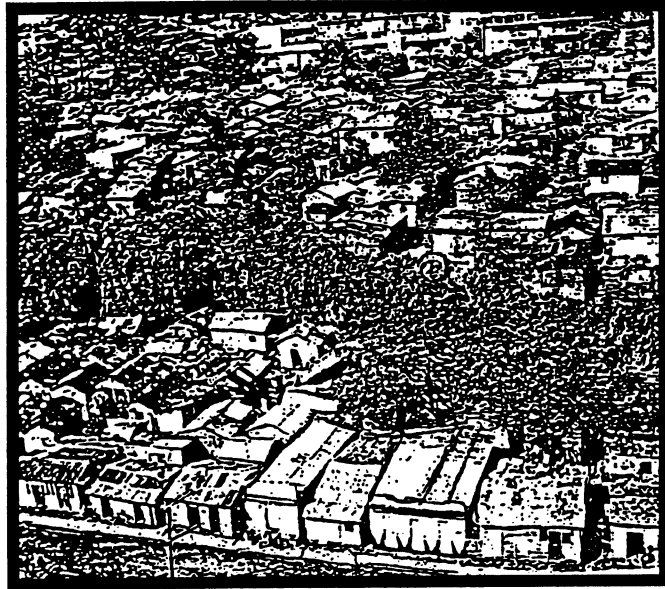


FIGURE 4.5 / FIGUUR 4.5

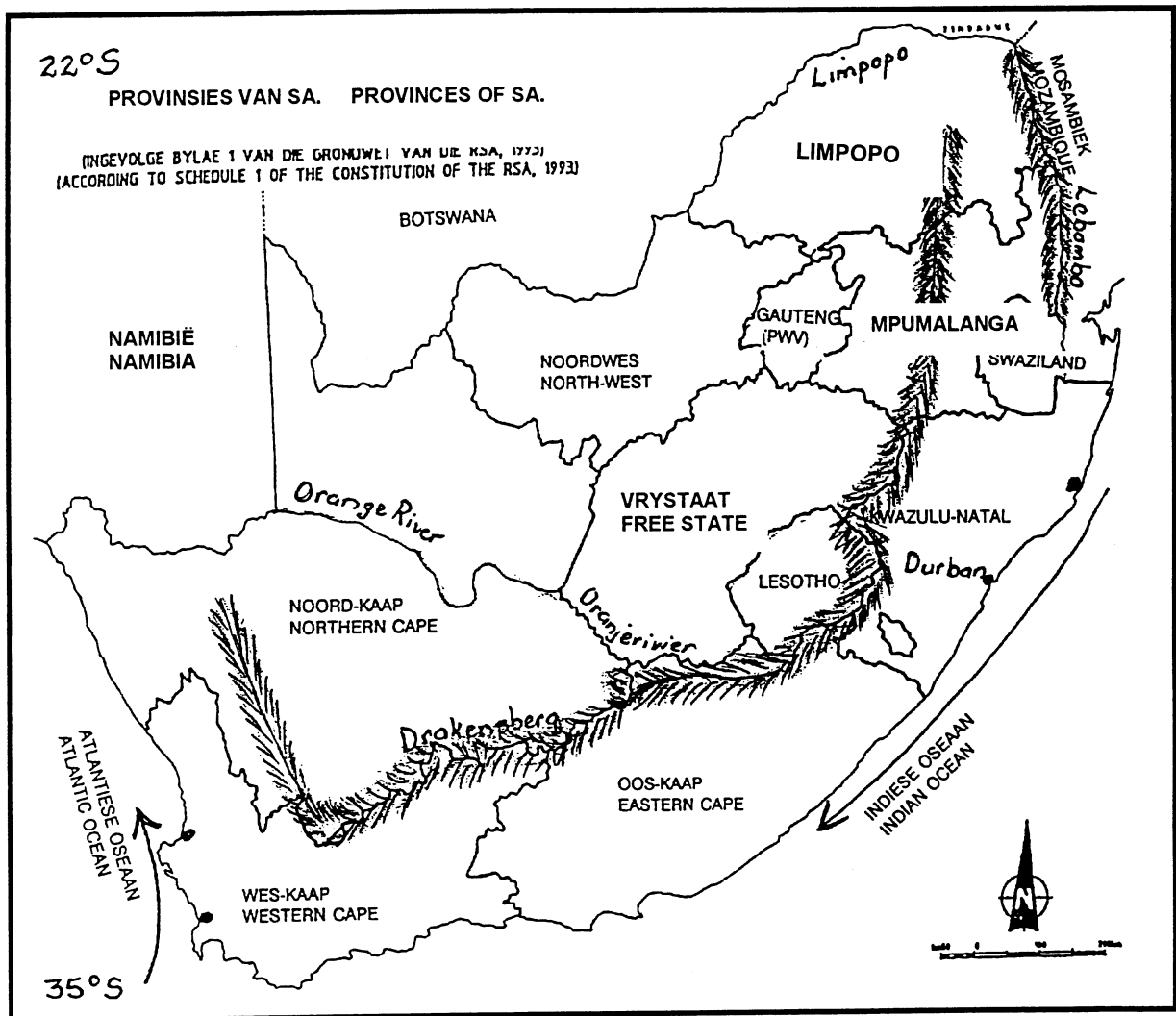
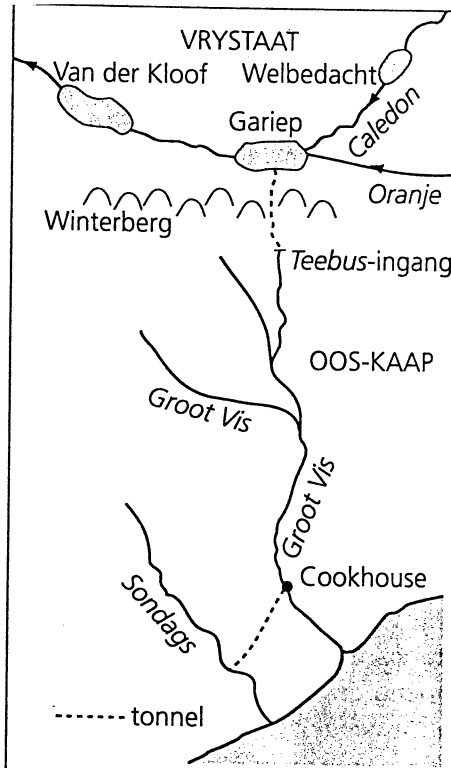


Figure 5.1 / Figuur 5.1



**Doel**

- Vir besproeiing in die Noord-Kaap, Vrystaat en Oos-Kaap.
- Om water vir gedentraliseerde nywerhede te voorsien.
- Vir vloedbeheer.
- Om 'n konstante watervloei te verseker sodat die Oranje 'n permanente rivier kan wees.
- Vir hidroëlektriese krag.
- Om toerisme aan te moedig.

**Ontwikkeling van die skema**

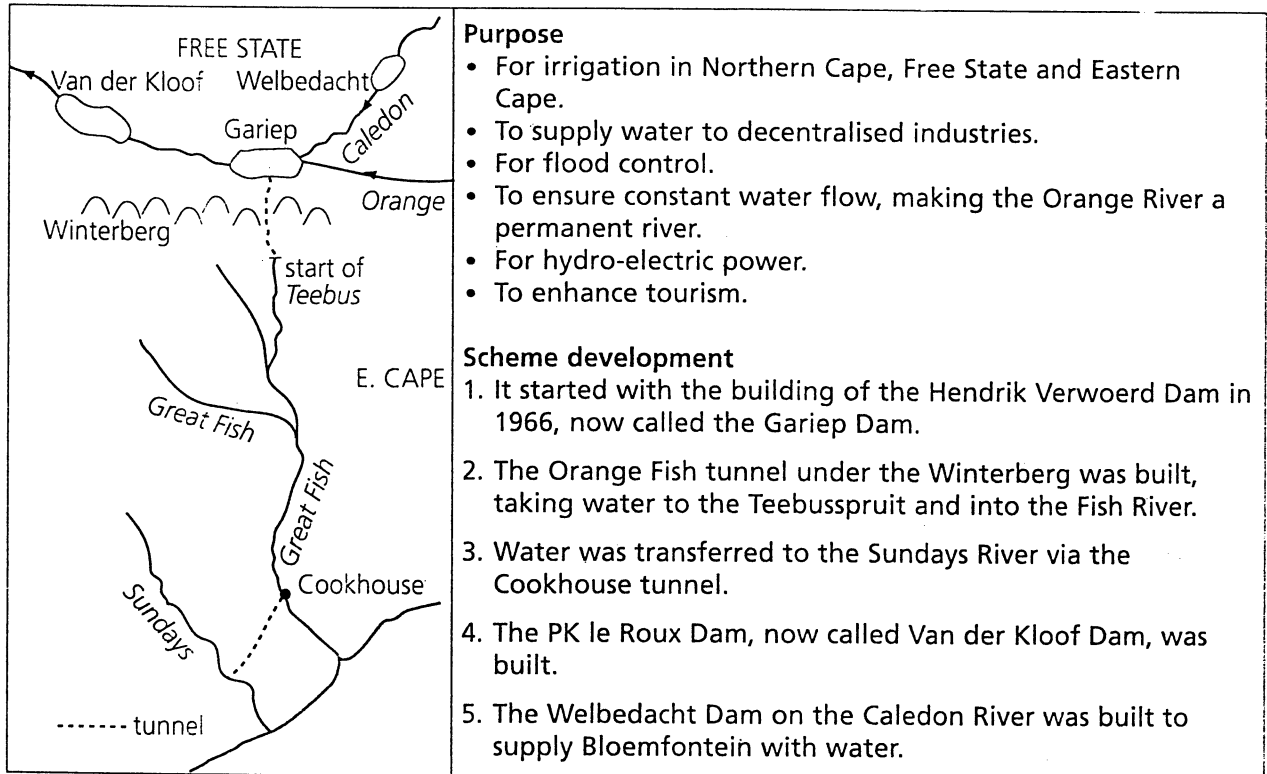
1. Dit het begin met die bou van die Hendrik Verwoerd-dam in 1966 (tans die Gariëp-dam).
2. Die Oranje-Vis-tunnel is deur die Winterberg gebou. Water is na die Teebus-spruit gelei en daarvandaan na die Visrivier.
3. Water is deur die Cookhouse-tunnel na die Sondagsrivier geneem.
4. Die P.K. le Roux-dam (tans die Van der Kloof-dam) is gebou.
5. Die Welbedacht-dam in die Caledonrivier is gebou om water aan Bloemfontein te voorsien.

**TABEL 6.1**

	<b>OPPERVLAK (km<sup>2</sup>)</b>	<b>BEVOLKING (1 000)</b>	<b>BEVOLKINGS- DIGTHEID/km<sup>2</sup></b>	<b>BYDRAE TOT BBP (%)</b>	<b>VERSTEDELIK (%)</b>
<b>RSA</b>	1 219 090	41 244	33,8	100,0	48,3
<b>Wes-Kaap</b>	129 370	3 721	28,8	13,2	86,5
<b>Oos-Kaap</b>	169 580	6 481	38,2	7,5	32,6
<b>Noord-Kaap</b>	361 830	742	2,0	2,2	73,0
<b>Vrystaat</b>	129 480	2 782	21,5	7,1	54,1
<b>KwaZulu/Natal</b>	92 100	8 713	94,5	14,7	37,6
<b>Noordwes</b>	116 320	3 352	28,8	6,9	31,6
<b>Gauteng</b>	17 010	7 048	374,7	36,9	96,0
<b>Mpumalanga</b>	79 490	3 007	38,4	8,3	31,2
<b>Limpopo</b>	123 910	5 397	43,8	3,1	9,1

The Orange River scheme

**FIGURE 5.3**



**TABLE 6.1**

	<b>AREA (km<sup>2</sup>)</b>	<b>POPULATION (1 000)</b>	<b>POPULATION DENSITY/km<sup>2</sup></b>	<b>CONTRIBUTION TO GDP (%)</b>	<b>URBANISED (%)</b>
<b>RSA</b>	1 219 090	41 244	33,8	100,0	48,3
<b>Western Cape</b>	129 370	3 721	28,8	13,2	86,5
<b>Eastern Cape</b>	169 580	6 481	38,2	7,5	32,6
<b>Northern Cape</b>	361 830	742	2,0	2,2	73,0
<b>Free State</b>	129 480	2 782	21,5	7,1	54,1
<b>KwaZulu/Natal</b>	92 100	8 713	94,5	14,7	37,6
<b>North West</b>	116 320	3 352	28,8	6,9	31,6
<b>Gauteng</b>	17 010	7 048	374,7	36,9	96,0
<b>Mpumalanga</b>	79 490	3 007	38,4	8,3	31,2
<b>Limpopo</b>	123 910	5 397	43,8	3,1	9,1



**TABLE 6.2A SA EXPORTS 1996**

PROD'JCT	R (million)	%
Food	5 168	5,0
Mineral products	15 755	15,0
Chemical products	8 135	8,0
Wood products	3 693	3,5
Textiles	2 873	2,7
Precious stones and jewellery	38 584	37,0
Base metals	18 693	18,0
Machinery and electrical goods	7 059	6,8
Vehicles	4 303	4,0
Total	104 263	100,0

**TABEL 6.2B SA IMPORTS 1996**

PRODUCT	R (million)	%
Food	2 932	3,4
Mineral products	12 692	15,2
Chemical products	11 572	13,5
Wood products	2 952	3,4
Textiles	4 240	5,2
Precious stones and jewellery	1 644	2,0
Base metals	336	6,2
Machinery and electrical goods	37 082	43,0
Vehicles	7 130	8,1
Total	85 600	100,0

**TABEL 6.2A SA-UITVOERE 1996**

PRODUK	R (miljoen)	%
Voedsel	5 168	5,0
Mineraalprodukte	15 755	15,0
Chemiese produkte	8 135	8,0
Houtprodukte	3 693	3,5
Tekstielware	2 873	2,7
Edelgesteentes en juweliersware	38 584	37,0
Basismetale	18 693	18,0
Masjinerie en elektriese goedere	7 059	6,8
Voertuie	4 303	4,0
Totaal	104 263	100,0

**TABLE 6.2B SA-INVOERE 1996**

PRODUK	R (miljoen)	%
Voedsel	2 932	3,4
Mineraalprodukte	12 692	15,2
Chemiese produkte	11 572	13,5
Houtprodukte	2 952	3,4
Tekstielware	4 240	5,2
Edelgesteentes en juweliersware	1 644	2,0
Basismetale	336	6,2
Masjinerie en elektriese goedere	37 082	43,0
Voertuie	7 130	8,1
Totaal	85 600	100,0





FIGURE 6.3

FIGUUR 6.3

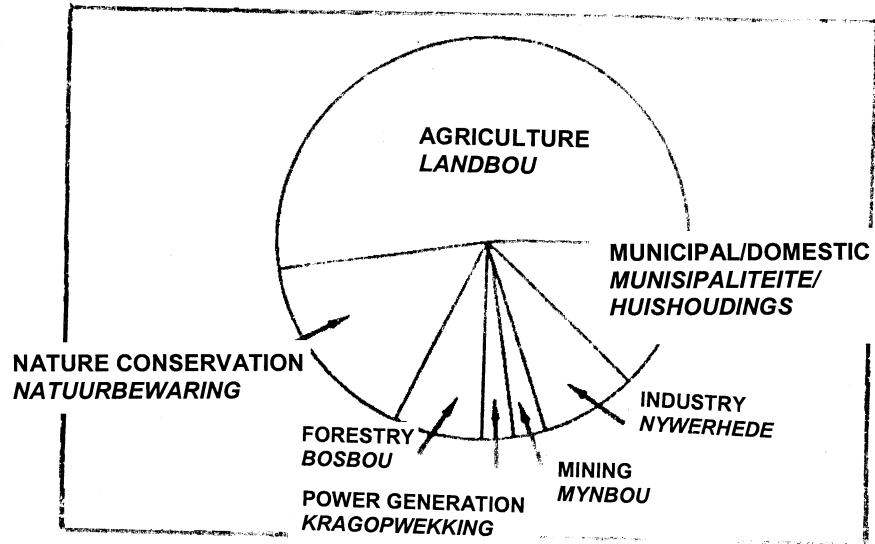


FIGURE 6.5 / FIGUUR 6.5

ENDIEINDE