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1. Malawi at a glance

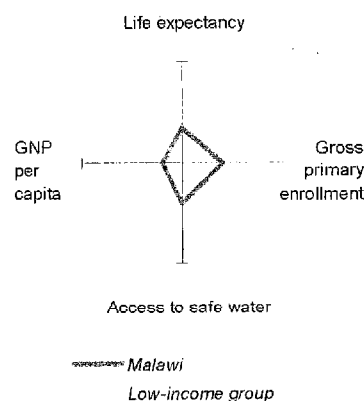
Malawi at a glance

9/20/99

POVERTY and SOCIAL

	Malawi	Sub-Saharan Africa	Low-income
1998			
Population, mid-year (millions)	10.5	628	3,515
GNP per capita (Atlas method, US\$)	200	480	520
GNP (Atlas method, US\$ billions)	2.1	304	1,844
Average annual growth, 1992-98			
Population (%)	2.6	2.6	1.7
Labor force (%)	2.3	2.6	1.9
Most recent estimate (latest year available, 1992-98)			
Poverty (% of population below national poverty line)	..	..	..
Urban population (% of total population)	15	33	31
Life expectancy at birth (years)	43	51	63
Infant mortality (per 1,000 live births)	133	91	69
Child malnutrition (% of children under 5)	30	..	..
Access to safe water (% of population)	60	47	74
Illiteracy (% of population age 15+)	42	42	32
Gross primary enrollment (% of school-age population)	89	77	108
Male	92	84	113
Female	86	69	103

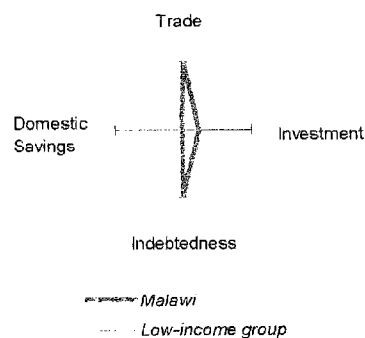
Development diamond*



KEY ECONOMIC RATIOS and LONG-TERM TRENDS

	1977	1987	1997	1998	
GDP (US\$ billions)	0.8	1.2	2.5	1.7	
Gross domestic investment/GDP	24.7	15.7	12.3	13.7	
Exports of goods and services/GDP	30.0	25.9	24.3	32.5	
Gross domestic savings/GDP	20.1	13.3	2.1	0.7	
Gross national savings/GDP	20.1	13.3	-0.3	-3.4	
Current account balance/GDP	..	-5.2	-12.6	-17.1	
Interest payments/GDP	0.9	2.5	1.2	1.6	
Total debt/GDP	55.7	117.8	88.5	144.9	
Total debt service/exports	10.2	33.2	15.1	19.3	
Present value of debt/GDP	..	..	53.6	83.9	
Present value of debt/exports	..	..	215.1	246.1	
	1977-87	1988-98	1997	1998	1999-03
(average annual growth)					
GDP	2.2	3.7	5.1	3.1	5.9
GNP per capita	-0.9	0.9	2.5	0.4	3.3
Exports of goods and services	3.7	4.7	12.9	1.5	4.0

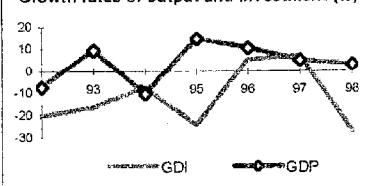
Economic ratios*



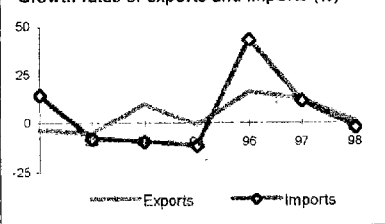
STRUCTURE of the ECONOMY

	1977	1987	1997	1998
(% of GDP)				
Agriculture	41.8	49.0	36.3	38.3
Industry	18.7	24.9	17.5	19.0
Manufacturing	11.7	16.8	13.6	14.8
Services	39.6	26.1	46.1	42.7
Private consumption	66.4	67.2	85.3	85.0
General government consumption	13.5	19.5	12.7	14.3
Imports of goods and services	34.6	28.3	34.5	45.6
(average annual growth)	1977-87	1988-98	1997	1998
Agriculture	0.8	6.8	3.9	2.7
Industry	1.5	2.2	1.1	5.3
Manufacturing	2.8	1.7	0.6	5.7
Services	3.3	1.0	8.7	0.5
Private consumption	0.7	7.1	4.9	6.6
General government consumption	6.9	-4.0	1.6	-9.5
Gross domestic investment	-8.6	-7.3	7.1	-27.0
Imports of goods and services	-3.8	3.7	11.9	-2.1
Gross national product	2.2	3.8	5.1	3.0

Growth rates of output and investment (%)



Growth rates of exports and imports (%)

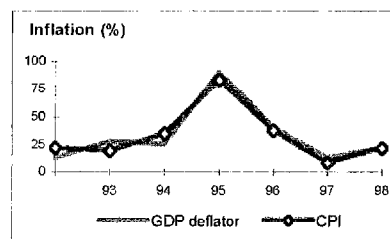


Note: 1998 data are preliminary estimates.

* The diamonds show four key indicators in the country (in bold) compared with its income-group average. If data are missing, the diamond will be incomplete.

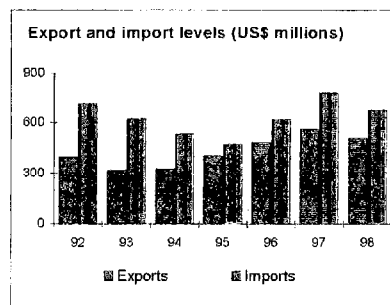
PRICES and GOVERNMENT FINANCE

	1977	1987	1997	1998
Domestic prices				
(% change)				
Consumer prices	..	25.2	9.1	22.1
Implicit GDP deflator	13.4	14.8	13.4	22.8
Government finance				
(% of GDP, includes current grants)				
Current revenue	10.1	22.8	16.1	22.5
Current budget balance	-1.8	-2.2	-5.1	-3.8
Overall surplus/deficit	-6.4	-10.7	-12.3	-6.3



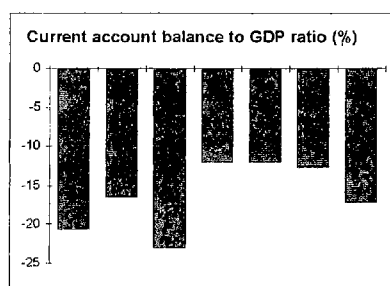
TRADE

	1977	1987	1997	1998
(US\$ millions)				
Total exports (fob)	..	278	567	509
Tobacco	..	173	331	270
Tea	..	28	69	63
Manufactures	..	..	..	..
Total imports (cif)	..	291	783	677
Food	..	2	33	29
Fuel and energy	..	40	79	71
Capital goods	..	82	340	285
Export price index (1995=100)	..	92	113	99
Import price index (1995=100)	..	76	93	84
Terms of trade (1995=100)	..	120	121	118



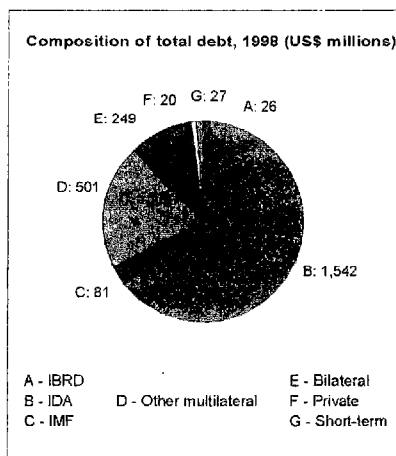
BALANCE of PAYMENTS

	1977	1987	1997	1998
(US\$ millions)				
Exports of goods and services	213	301	615	549
Imports of goods and services	300	324	872	769
Resource balance	-87	-23	-258	-220
Net income	..	-57	-41	-49
Net current transfers	..	..	-19	-20
Current account balance	..	-60	-318	-289
Financing items (net)	..	86	265	400
Changes in net reserves	-51	-26	53	-111
Memo:				
Reserves including gold (US\$ millions)	89	92	310	258
Conversion rate (DEC, local/US\$)	0.9	2.2	16.4	31.1

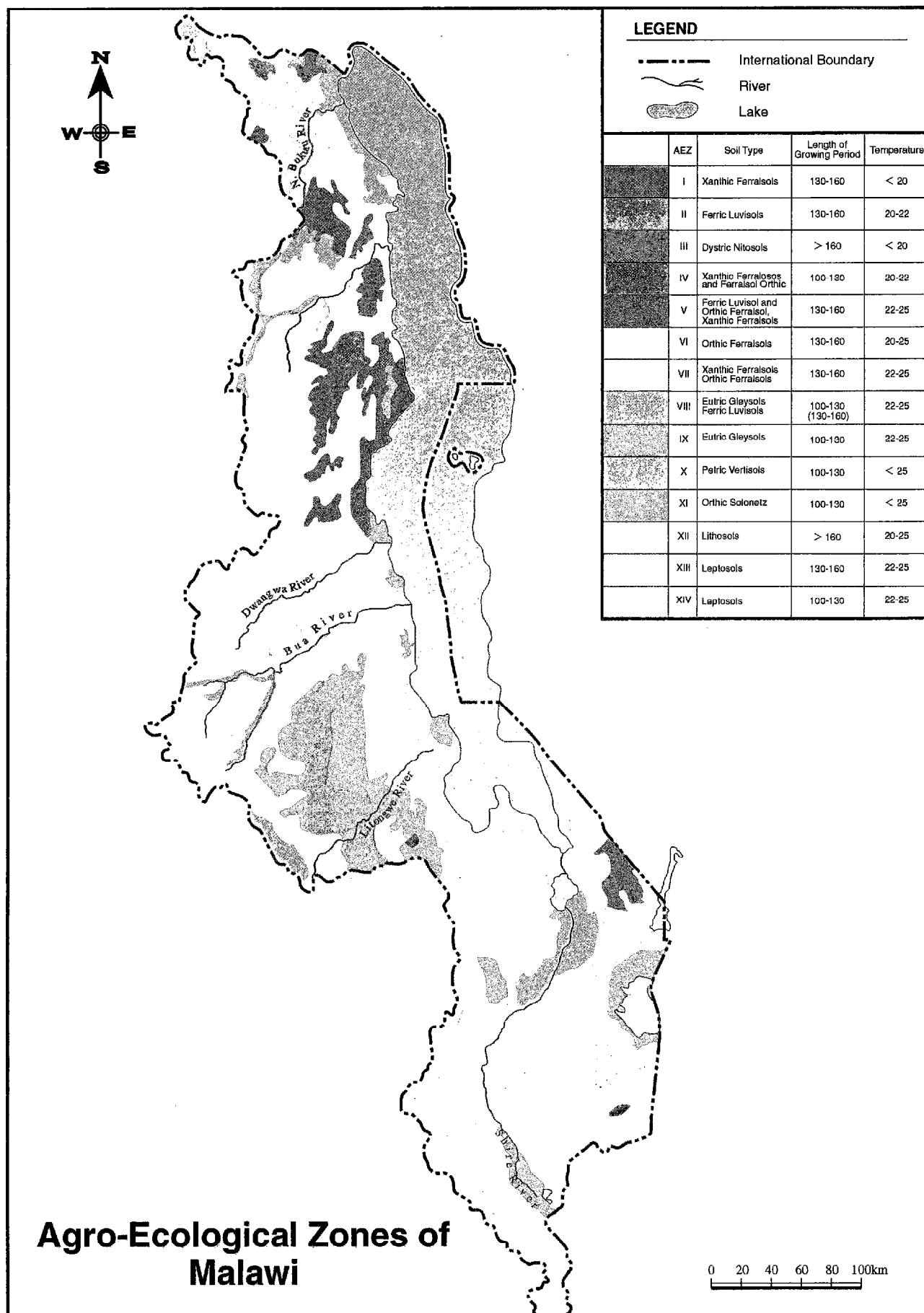


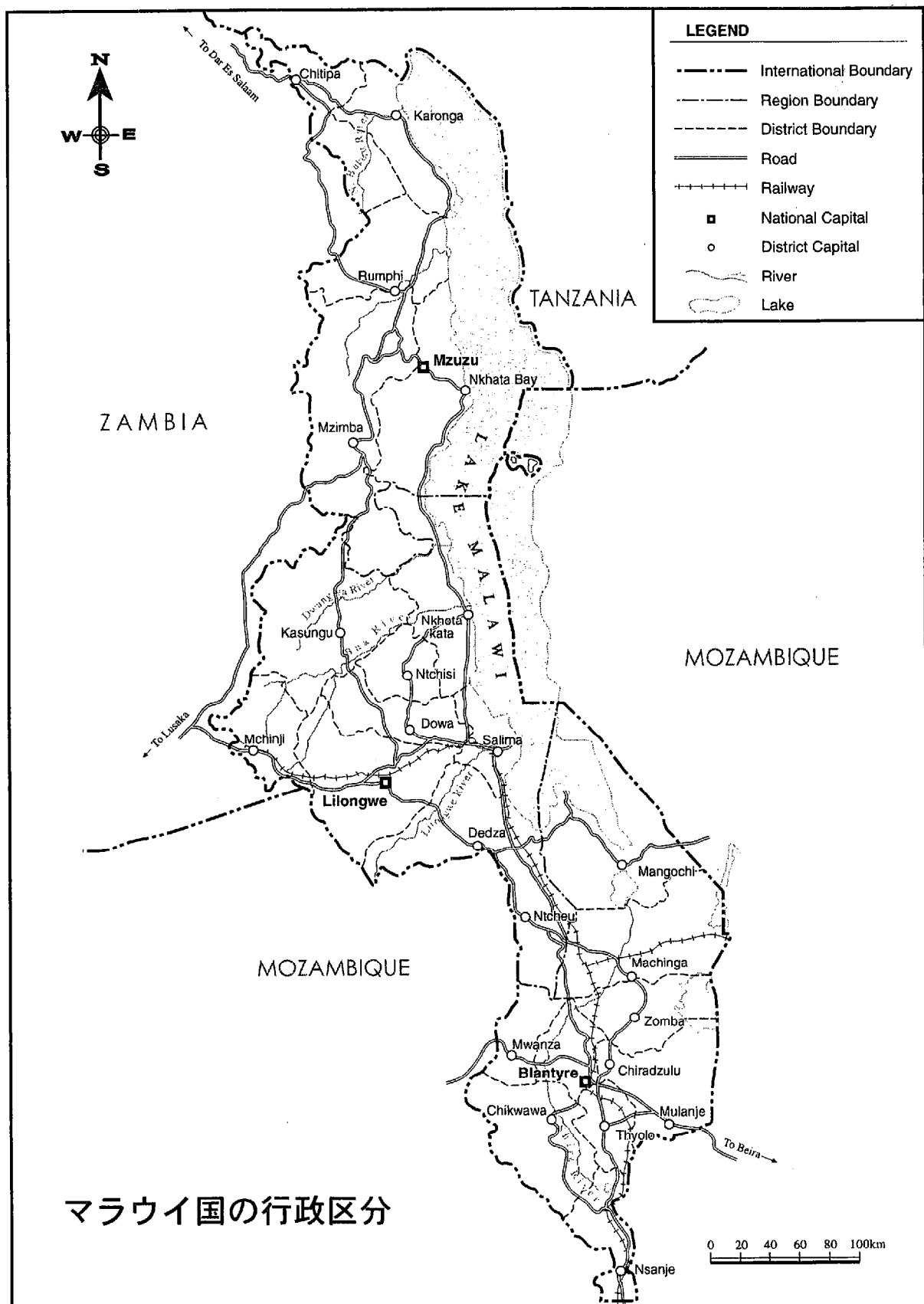
EXTERNAL DEBT and RESOURCE FLOWS

	1977	1987	1997	1998
(US\$ millions)				
Total debt outstanding and disbursed	449	1,367	2,229	2,446
IBRD	3	104	34	26
IDA	84	509	1,375	1,542
Total debt service	22	101	95	111
IBRD	0	14	8	13
IDA	1	5	18	21
Composition of net resource flows				
Official grants	..	..	83	157
Official creditors	52	83	131	122
Private creditors	31	-11	-1	-1
Foreign direct investment	6	0	25	35
Portfolio equity	0	0	0	0
World Bank program				
Commitments	0	0	0	0
Disbursements	13	55	107	130
Principal repayments	0	8	15	21
Net flows	13	47	92	110
Interest payments	1	12	11	13
Net transfers	13	35	81	96



2. マラウイ国関連地図 (Agro-Ecological Zone、行政区分等)

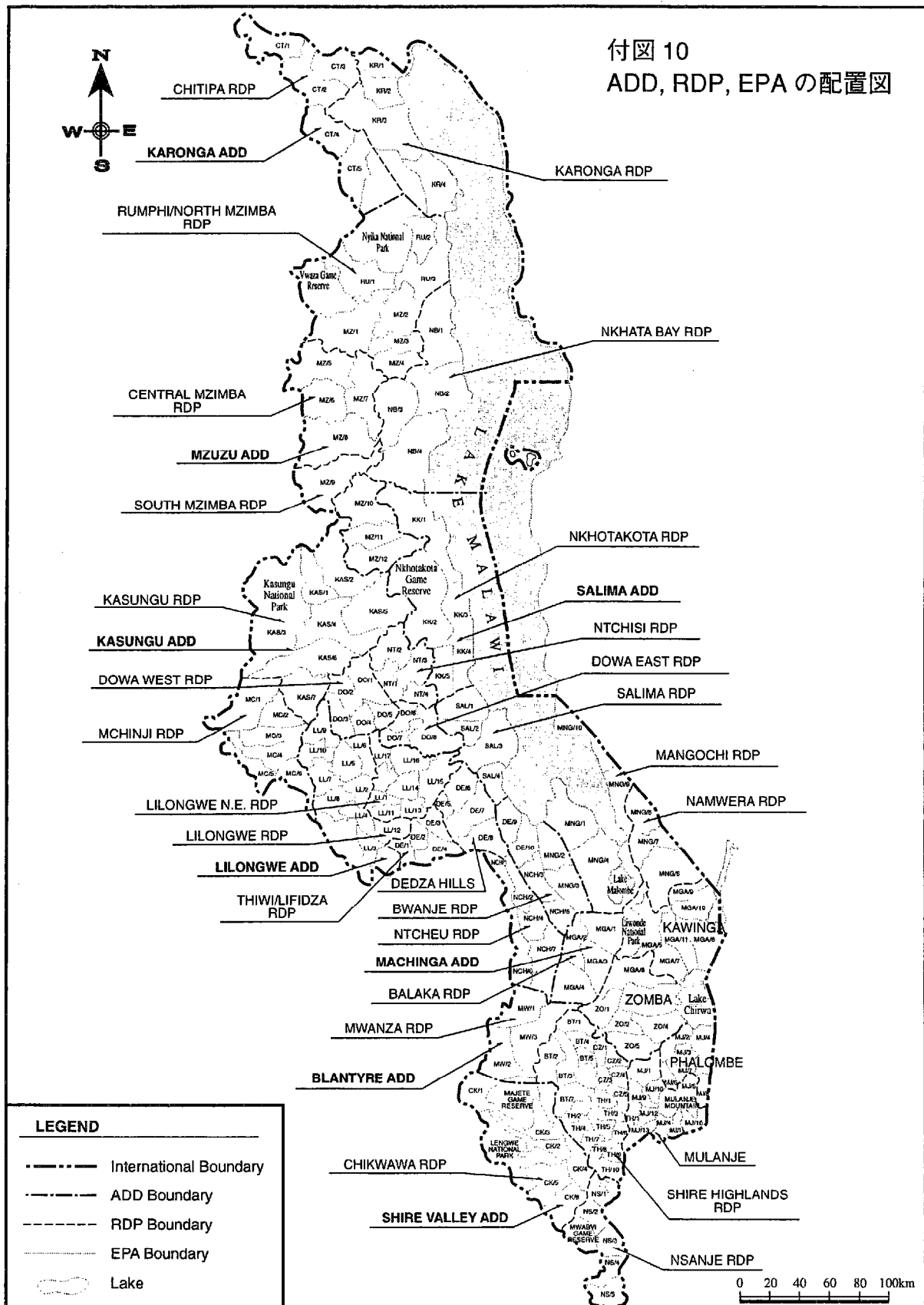


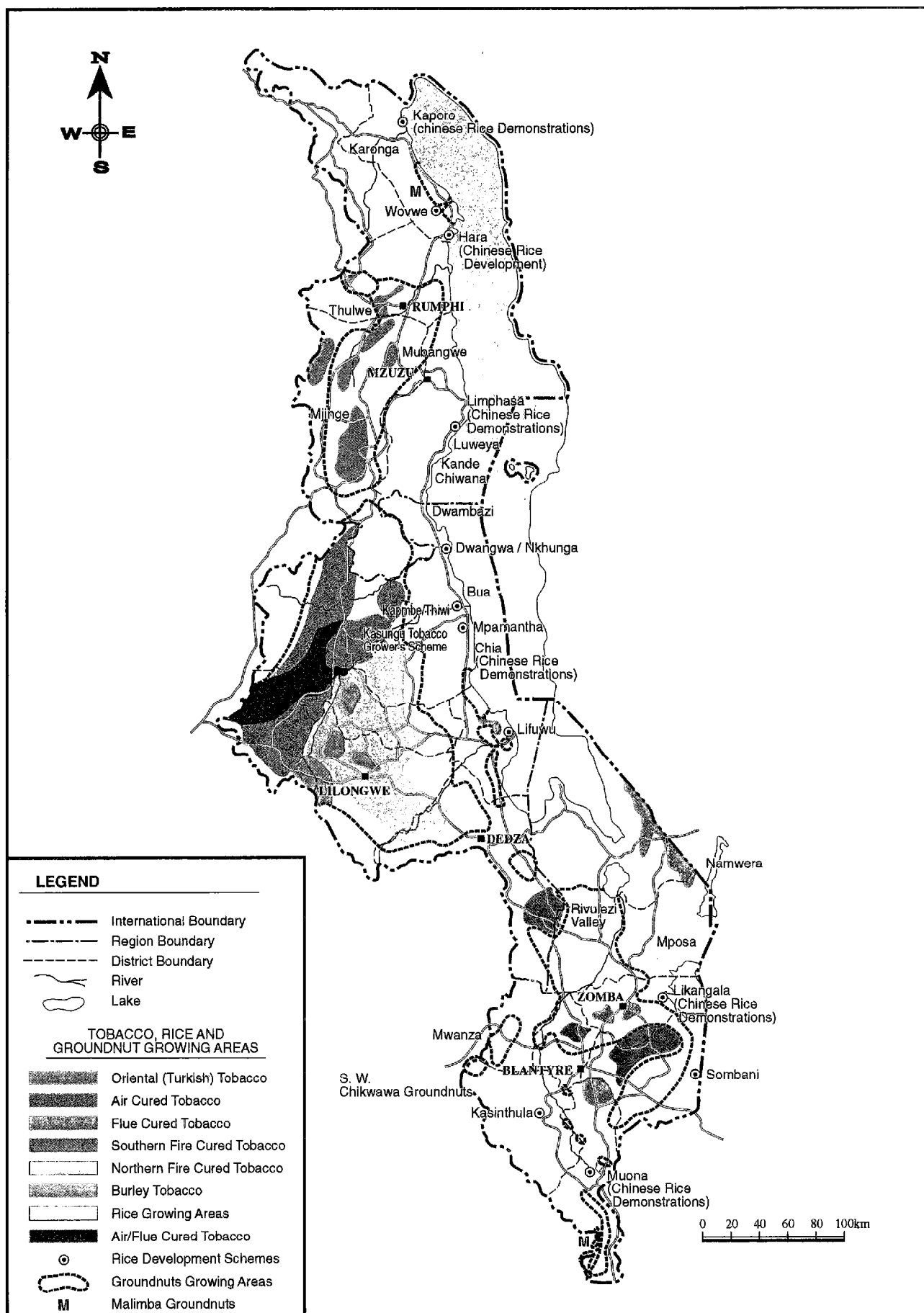


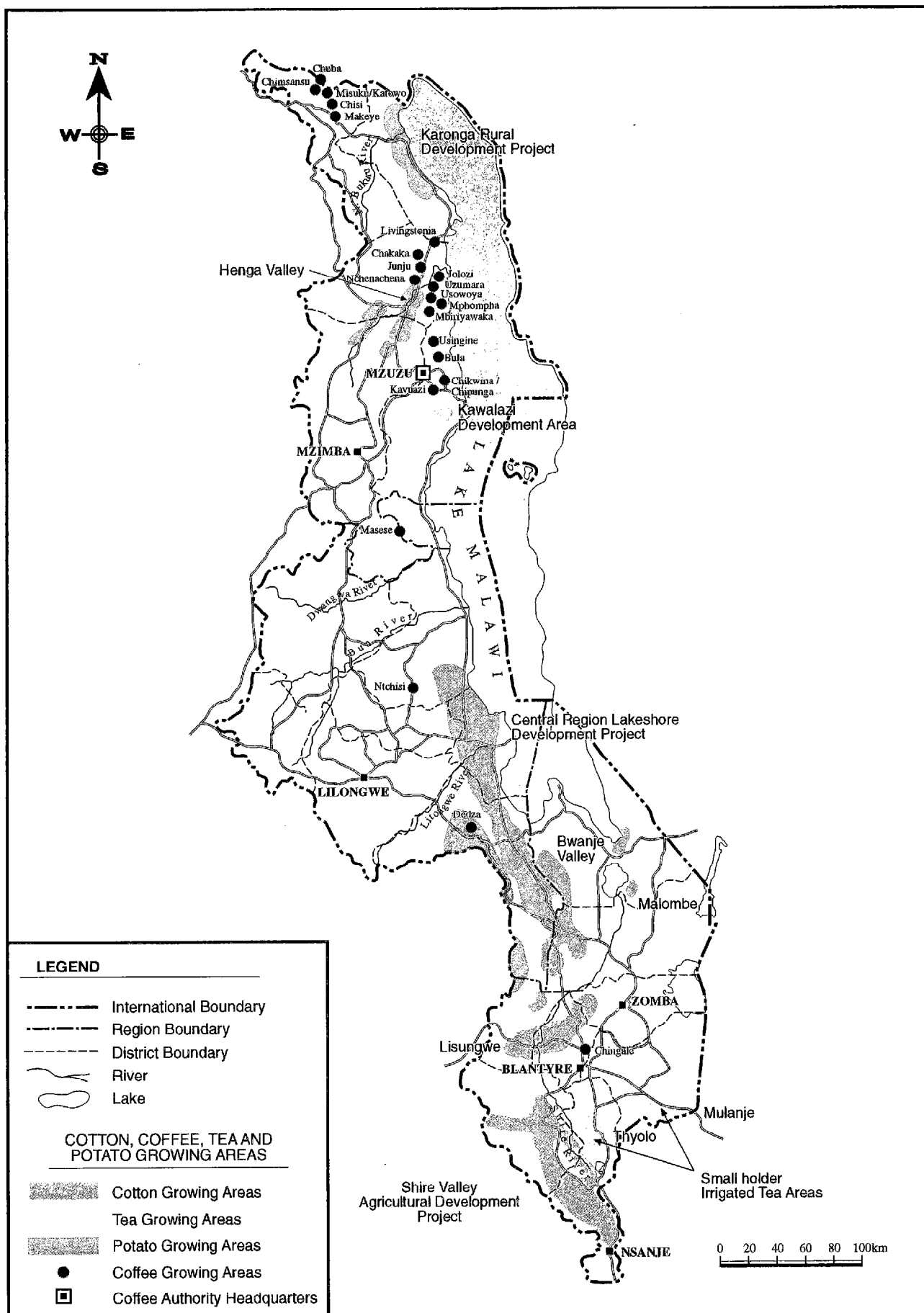
マラウイ国の行政区分

付図 10

ADD, RDP, EPA の配置図







3. Zambia at a glance

Zambia at a glance

9/21/99

POVERTY and SOCIAL

1998

	Zambia	Sub-Saharan Africa	Low-income
Population, mid-year (millions)	9.7	628	3,515
GNP per capita (Atlas method, US\$)	330	480	520
GNP (Atlas method, US\$ billions)	3.2	304	1,844

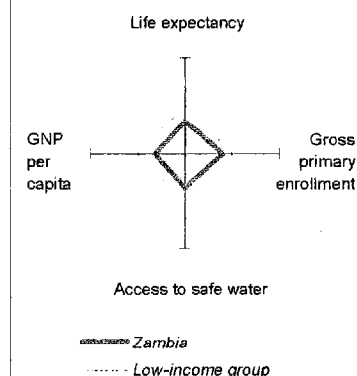
Average annual growth, 1992-98

	Zambia	Sub-Saharan Africa	Low-income
Population (%)	2.6	2.6	1.7
Labor force (%)	3.0	2.6	1.9

Most recent estimate (latest year available, 1992-88)

Poverty (% of population below national poverty line)	68	..	..
Urban population (% of total population)	44	33	31
Life expectancy at birth (years)	43	51	63
Infant mortality (per 1,000 live births)	113	91	69
Child malnutrition (% of children under 5)	24	..	..
Access to safe water (% of population)	53	47	74
Illiteracy (% of population age 15+)	25	42	32
Gross primary enrollment (% of school-age population)	89	77	108
Male	91	84	113
Female	86	69	103

Development diamond*

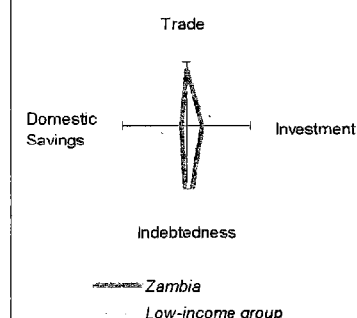


KEY ECONOMIC RATIOS and LONG-TERM TRENDS

	1977	1987	1997	1998
GDP (US\$ billions)	2.5	2.3	3.9	3.4
Gross domestic investment/GDP	24.7	12.7	14.5	14.3
Exports of goods and services/GDP	39.4	39.5	31.7	29.4
Gross domestic savings/GDP	22.1	16.5	9.3	5.3
Gross national savings/GDP	13.5	0.4	3.3	-0.9
Current account balance/GDP	-8.6	-15.3	-11.1	-15.2
Interest payments/GDP	3.0	3.2	1.5	2.7
Total debt/GDP	93.1	292.5	171.9	204.8
Total debt service/exports	26.6	18.5	21.6	23.1
Present value of debt/GDP	..	..	128.2	..
Present value of debt/exports	..	..	385.8	..

	1977-87	1988-98	1997	1998	1999-03
(average annual growth)					
GDP	0.5	0.7	3.4	-2.0	3.9
GNP per capita	-4.1	-1.2	1.4	-4.0	1.7
Exports of goods and services	-3.9	2.1	14.6	-7.5	6.4

Economic ratios*

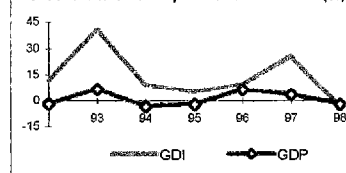


STRUCTURE of the ECONOMY

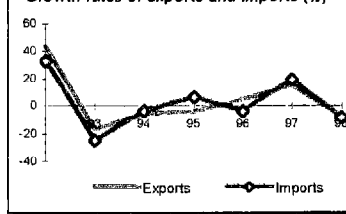
	1977	1987	1997	1998
(% of GDP)				
Agriculture	18.1	12.0	18.6	19.4
Industry	41.6	45.5	34.6	29.6
Manufacturing	19.6	28.5	13.5	12.8
Services	40.2	42.4	46.7	50.9
Private consumption	51.5	63.1	79.4	83.8
General government consumption	26.4	20.4	11.3	10.8
Imports of goods and services	41.9	35.7	37.0	38.4

	1977-87	1988-98	1997	1998
(average annual growth)				
Agriculture	1.4	-5.2	-5.1	-6.1
Industry	-0.4	-3.5	8.7	-4.3
Manufacturing	1.8	-11.4	7.4	-1.0
Services	0.4	8.1	3.2	4.4
Private consumption	1.8	1.2	2.6	-1.4
General government consumption	-2.1	-11.1	0.7	-9.6
Gross domestic investment	-9.6	10.3	25.4	-3.5
Imports of goods and services	-5.1	-0.7	19.2	-8.2
Gross national product	-1.1	1.6	3.9	-1.8

Growth rates of output and investment (%)



Growth rates of exports and imports (%)



Note: 1998 data are preliminary estimates

* The diamonds show four key indicators in the country (in bold) compared with its income-group average. If data are missing, the diamond will be incomplete.

PRICES and GOVERNMENT FINANCE

	1977	1987	1997	1998
Domestic prices				
(% change)				
Consumer prices	19.8	43.0	24.8	28.7
Implicit GDP deflator	8.2	62.0	25.9	23.2
Government finance				
(% of GDP, includes current grants)				
Current revenue	..	19.8	19.8	18.1
Current budget balance	..	-7.3	1.4	1.4
Overall surplus/deficit /a	..	-5.8	-6.2	-9.5
Overall surplus/deficit /b	..	-2.6	-1.9	-4.3

TRADE

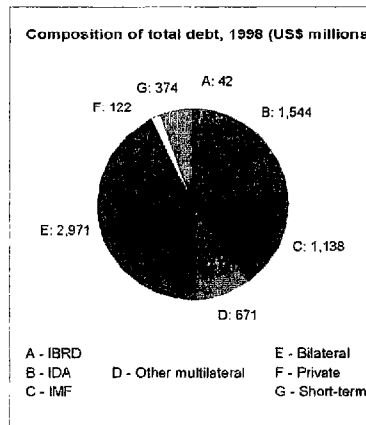
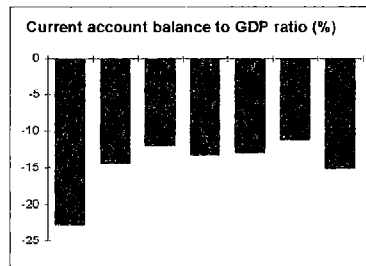
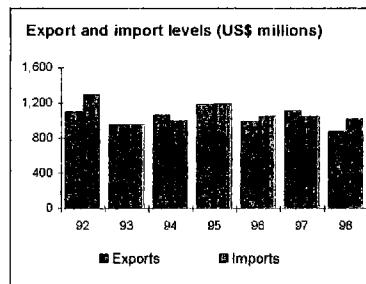
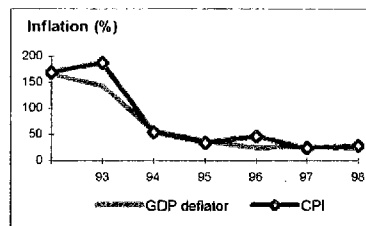
	1977	1987	1997	1998
(US\$ millions)				
Total exports (fob)	897	867	1,119	874
Copper	..	736	623	442
Zinc	..	51	185	143
Manufactures	..	42	180	186
Total imports (cif)	683	669	1,056	1,022
Food	..	11	12	11
Fuel and energy	..	67	87	59
Capital goods	..	250	665	687
Export price index (1995=100)	..	75	84	70
Import price index (1995=100)	42	74	91	84
Terms of trade (1995=100)	..	101	93	83

BALANCE of PAYMENTS

	1977	1987	1997	1998
(US\$ millions)				
Exports of goods and services	970	918	1,230	984
Imports of goods and services	971	892	1,432	1,286
Resource balance	-1	27	-202	-302
Net income	-134	-344	-219	-190
Net current transfers	..	-30	-16	-17
Current account balance	-217	-347	-438	-509
Financing items (net)	179	611	470	348
Changes in net reserves	38	-264	-32	161
Memo:				
Reserves including gold (US\$ millions)	94	111	238	69
Conversion rate (DEC, local/US\$)	0.8	9.5	1,314.5	1,862.1

EXTERNAL DEBT and RESOURCE FLOWS

	1977	1987	1997	1998
(US\$ millions)				
Total debt outstanding and disbursed	2,341	6,626	6,758	6,862
IBRD	293	555	62	42
IDA	0	260	1,493	1,544
Total debt service	259	171	282	244
IBRD	26	28	40	25
IDA	0	1	14	16
Composition of net resource flows				
Official grants	..	105	378	240
Official creditors	70	99	87	74
Private creditors	42	-38	9	-32
Foreign direct investment	..	0	70	219
Portfolio equity	0	0	0	..
World Bank program /c				
Commitments	60	43	156	145
Disbursements	46	98	118	157
Principal repayments	6	26	49	31
Net flows	40	72	69	126
Interest payments	20	34	18	16
Net transfers	20	38	51	110



World Bank

9/21/99

a. Excluding capital grants, accrual.

b. Including capital grants, cash.

c. Fiscal year.

4. ザンビア国農業概況

ザンビア国農業概況

ザンビア国自然概況に関しては、2～5ページの雨量図、植生図、土壌分布図、人口区分図等を参照。当国農業が抱える一般的問題は、PIAD要請書3～4ページにまとめた。その他の資料等から合成したProblem Treeは同要請書5ページを参照。ザンビア農業における特に深刻な問題は、以下のように要約される。

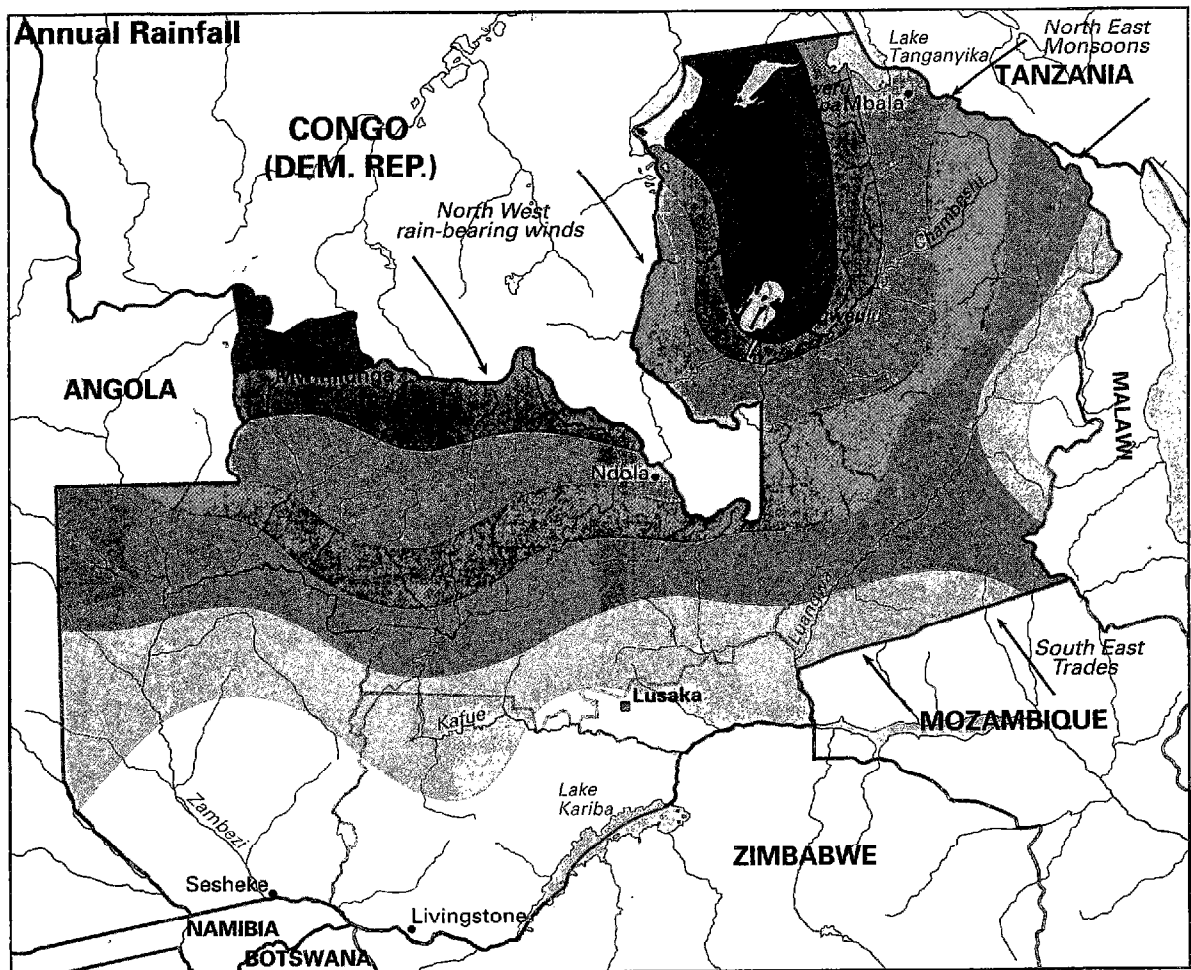
- (1) 降雨パターンの不規則性
- (2) 農業の低生産を招いている土壌の低肥沃度と圃場単位での起伏の激しさ
- (3) 農村インフラの未整備
- (4) 植民地時代に創り出された農業の二重構造とその格差拡大
- (5) 間断無い政府の過保護政策により依頼心が最大化した小規模農民心理
- (6) 普及・農業サービスの未発達
- (7) 流通・加工面の未発達

就中、ヨーロッパ移住者でなる大規模経営農家と貧困土着小規模農家との二極分化、つまりザンビア農業二重性は、銅鉱山開発が始まった20世紀初頭頃からの問題。時の植民地政府は肥沃で交通至便な地域を白人移住者に与え、食糧のメイズ生産を担わせる一方、土着アフリカ人農家をそれら地域から追い出し、痩せて地の利の悪い地域に移住させた。これらの政策が以後、開発地域と取り残された地域（孤立地域）を人為的に鮮明に創出し、その後も格差は拡大の一途です。次年度から開始される第二次農業分野投資計画（ASIPⅡ）においても二重構造を最大問題として捉え、農業省は全力で取り組もうとしている。（参考資料集－1、National Agricultural Policy, Page 3、あるいは当資料6～9ページ参照）

問題(5)に関し、生産者保護政策の経緯は紆余曲折があったものの、主要な政策は以下のう

- 1974-75 * 社会主義制度下における小規模農家保護の拡大
 - * メイズと化学肥料の全国統一価格
 - * メイズの一括買い上げ
 - * 輸送費補助
 - (その後、幾多の保護政策の変遷を経た後、)
- 1991 * 政権交代に伴いSAPの推進
- 1994 * 本格的なメイズと化学肥料の流通自由化
 - * 間接補助制度（クレジット制度等）は存続
 - (クレジット制度は現在も各種の形で残っており、政治的思惑とも絡んで農家からの返却率は低率で推移している。)

農業生産概況については当資料10～12ページを参照



Key

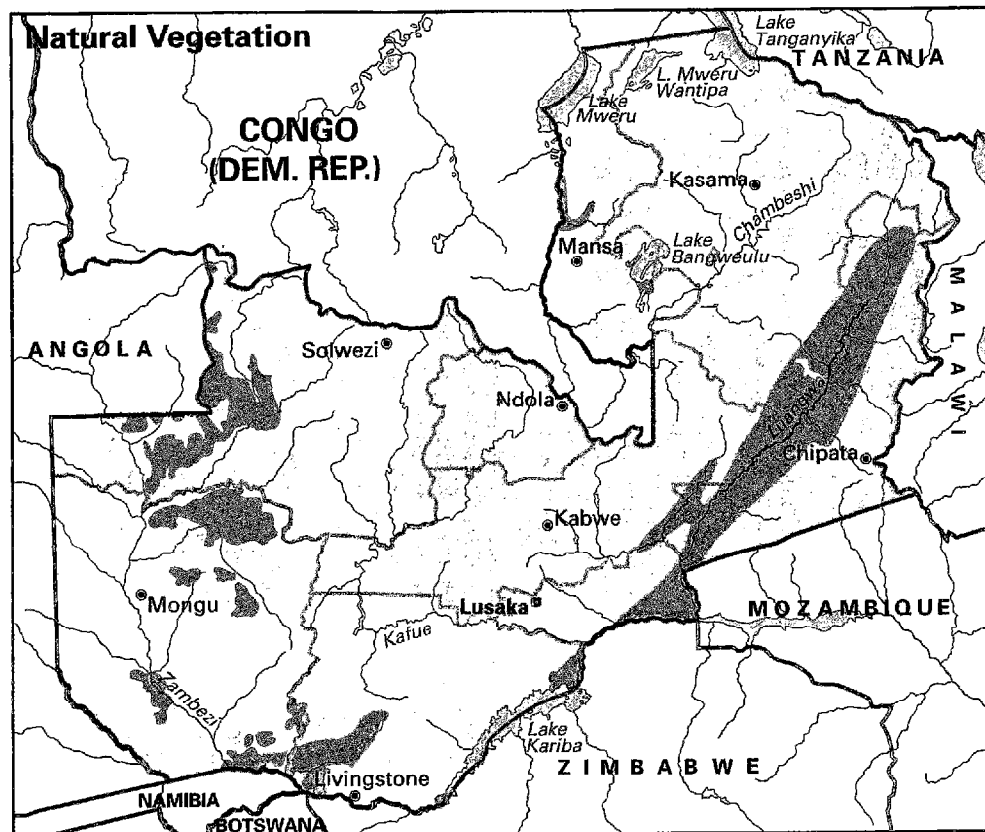
Average Annual Rainfall

Millimetres

Over 1500
1400-1500
1300-1400
1200-1300
1100-1200
1000-1100
900-1000
800-900
700-800

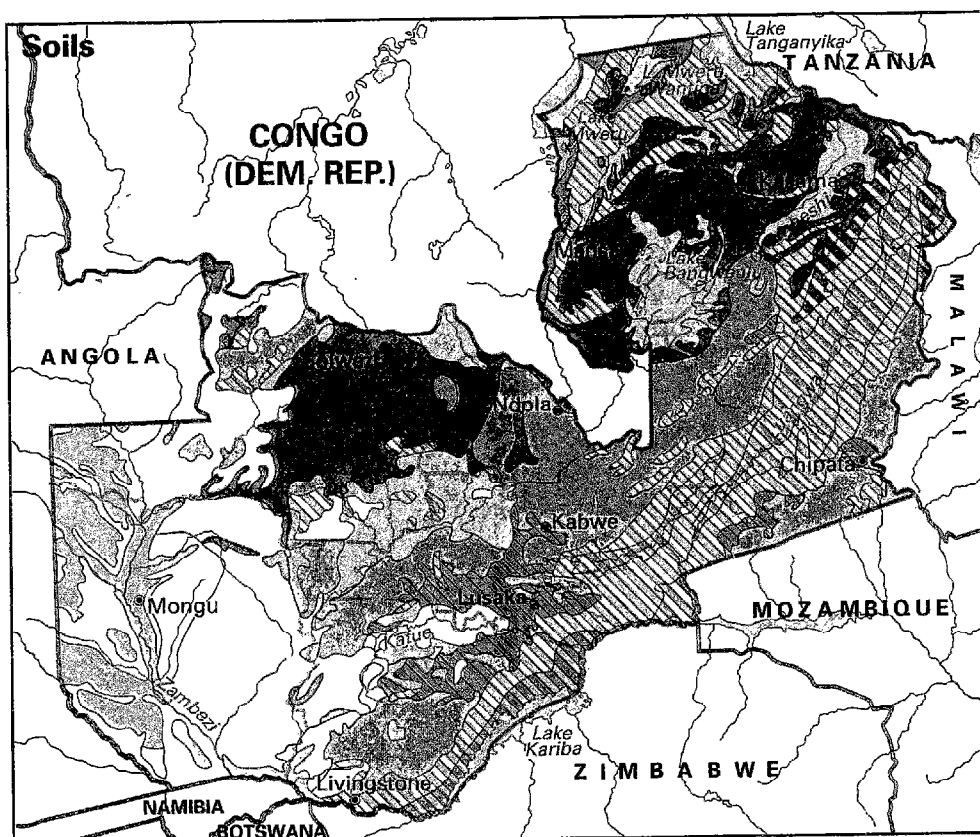
→ Winds

0 100 200 300 kilometres



Key

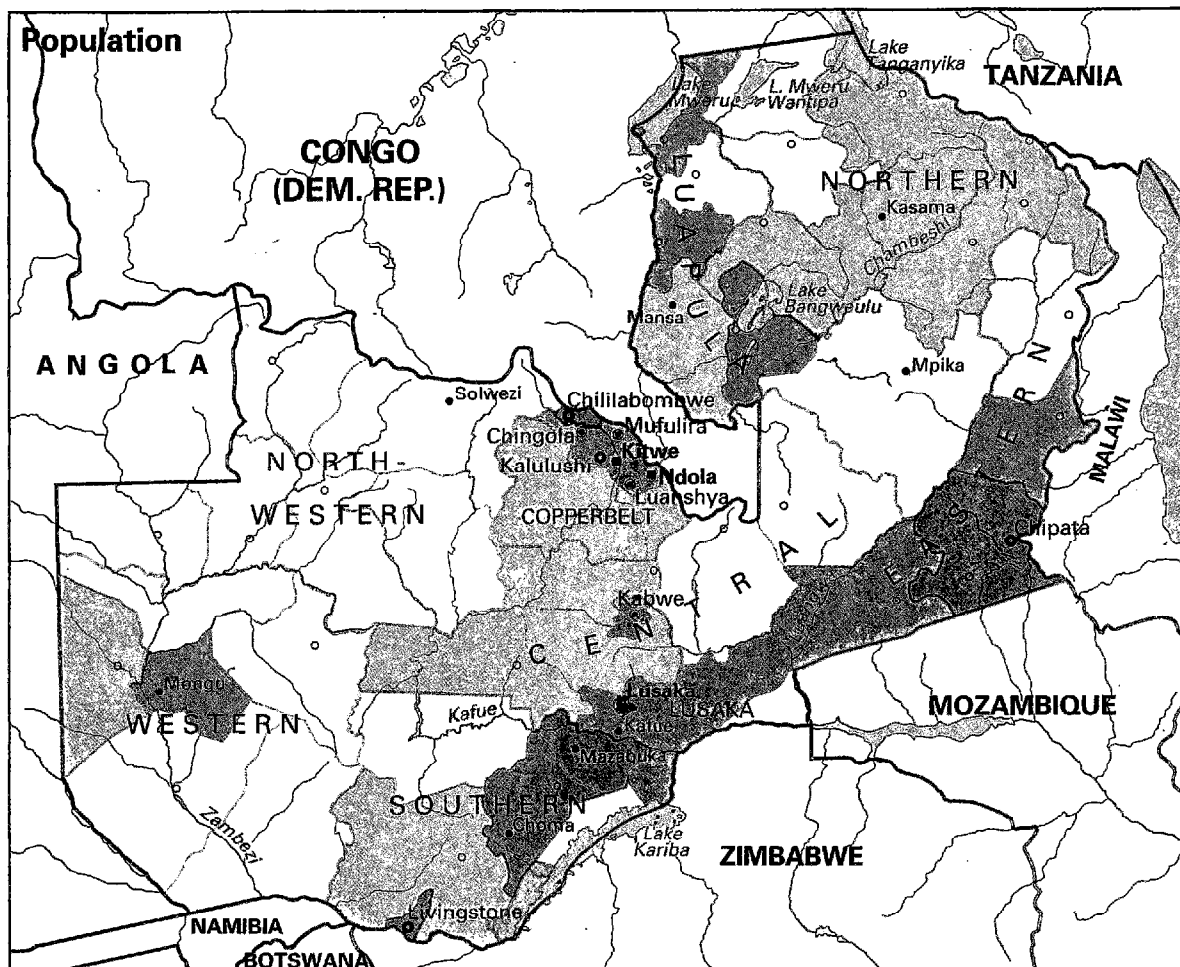
-  Forest
-  Mopane Woodland
-  Savanna Woodland (Miombo, Kalahari and Munga)
-  Termitary Vegetation and Bush Groups
-  Grassland (including floodplains and swamp)



Key

-  Well Drained Sandy Soils
-  Well Drained Brown Soils
-  Well Drained Fertile Soils
-  Well Drained Soils that are Naturally Fertile and have Clay at depth
-  Well Drained Soils that are Not Naturally Fertile and have Clay at depth
-  Very Shallow Soils, often less than 10 cm to Hard Rock
-  Deeply Weathered Soils with Resistant Minerals
-  Clayey Soils that Shrink and Swell according to their Moisture Status
-  Soils developed in Alluvium (river/sea deposits)
-  Soils that are Waterlogged for part or all of the year
-  Soils with a Pale Coloured Subsurface Layer and a Strongly Coloured Subsoil
-  Swamp

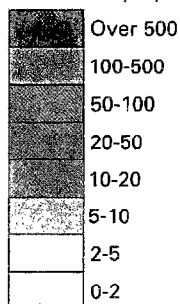
A striped area on the map is composed of two soil types



Key

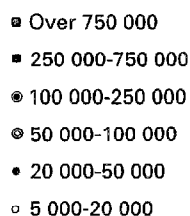
Population Density 1990

People per square kilometre



Population of Major Towns

Number of inhabitants



District boundaries are correct at the time of the population census in 1990

0 100 200 300 400 500 kilometres

Zambia's **population growth rate** is 3.2%, amongst the highest in Africa. Total population has grown from 3.5 million in 1963 to 7.8 million in 1990 and is projected to reach 11 million in the year 2000. The population is concentrated in the Copperbelt and along the line of the railway. The rapid growth of **urban population** is due to the rural-urban migration since independence.

Total Population 7 818 447 (1990 Census)



Executive Summary

Zambia has high agricultural potential which has not yet been fully exploited. Though external factors such as changes in the weather pattern and unfavourable macro-economic environment have adversely affected development of the sector, the past sectoral policies were equally unfavourable. The policies were restrictive and constraining as there was too much control and interference by the government. In addition, the strategies pursued were not sustainable because of their heavy reliance on subsidies. Consequently, these policies and strategies failed to stimulate growth in the sector. By 1991, the sector was poorly developed and dominated by a single crop-maize. The sector also lacked private sector participation in the areas of agricultural marketing and processing.

The poor performance of the sector is against a background of huge amounts of government and donor financial resources that were being channeled to the sector. It was only in 1992 that the government embarked on agricultural policy reforms, which were part of the economic reforms pursued under the Structural Adjustment Programme. The main policy thrust of the reforms are to liberalize the agricultural marketing and promote private sector participation in the development of agriculture. The Movement for Multi Party Democracy (MMD) Manifesto strives to liberalize agriculture by enhancing the role of the private sector through a managed transition assisted with adequate transitional arrangements. Government recognizes the duality of the Zambian economy in general and the agricultural sector in particular. In committing itself to liberalization policies, government will not ordinarily intervene in inputs (fertilizer) distribution or crop (maize) marketing in a way that will undermine or undercut private sector participation of development especially when or if the private sector has the will or capacity to effectively service the remotest parts of Zambia.

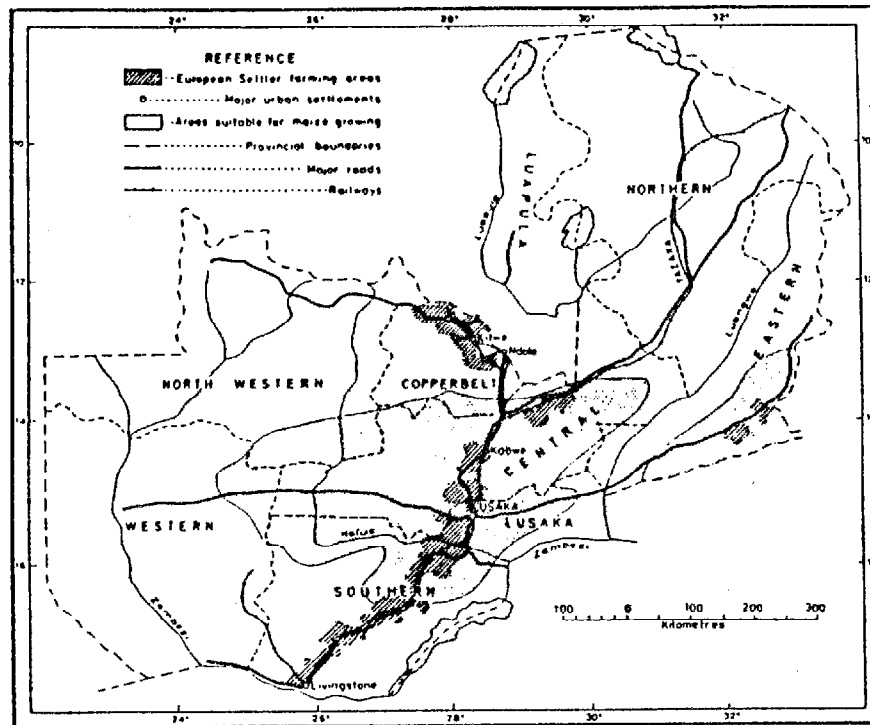
The sectoral policy objectives pursued by the government have remained the same even after the policy reforms. These are: to assure national and household food security; to ensure that the existing agricultural resource base is maintained and improved upon; to generate income and employment to maximum feasible levels; to contribute to sustainable industrial development; and to expand significantly the sector's contribution to the national balance of payments.

To achieve the above objectives the strategies include: liberalizing agricultural markets; supporting private sector development; promoting agricultural diversification of crop production; placing emphasis on service delivery to small-holders; developing the livestock sector; expanding opportunities for outlying regions; improving the economic status of women; improving use of available water resources; full utilization of land suitable for agriculture; helping farmers deal with natural disasters and placing emphasis on sustainable agriculture.

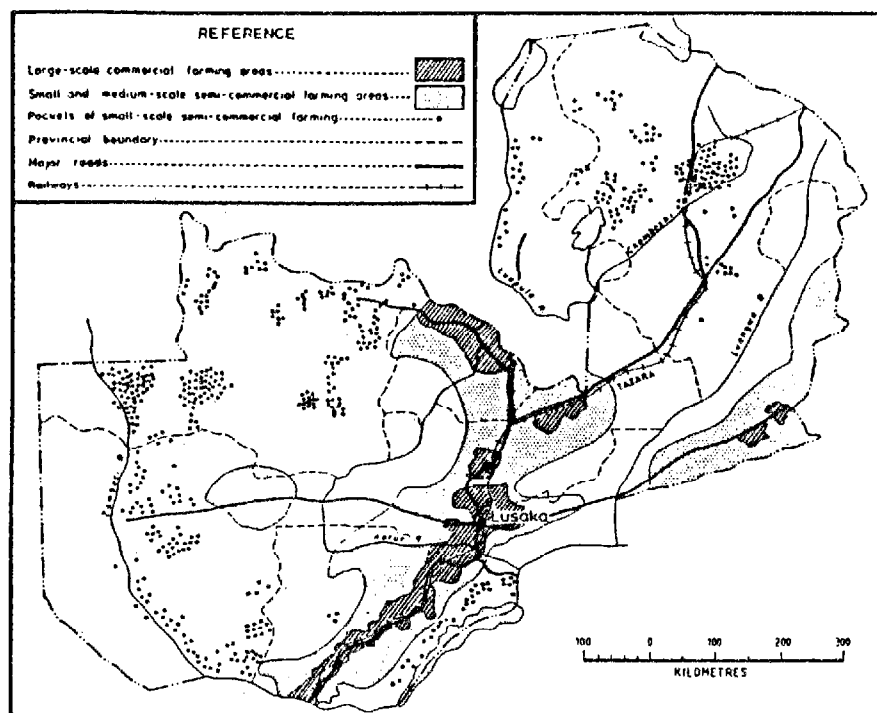
Further to the policy reforms, in 1996 the government launched the Agricultural Sector Investment Programme (ASIP). ASIP is aimed at harmonizing investments in the agricultural sector in order to optimise the use of resources and ASIP is also a tool to help achieve the sector objectives. The four components of ASIP are: policy and institutional reforms; support for private sector investment; rehabilitation and strengthening public sector agricultural services; and funding of the key implementation support activities. These components are being executed through the following sub-programmes which are interrelated and mutually reinforcing: Agricultural Training; Agricultural Research; Extension & Information; Animal Production and Health; Irrigation & Water Use; Farm Power & Mechanization; Marketing and Trade; Fisheries; Seed Multiplication and Standards; Policy and Planning ; and Rural Credit & Finance.

The sub-programmes are being implemented with the full involvement of both the private and public sectors. Funding for the Programme is from government, donors and beneficiary contributions.

Fig. 2.1. European Settler Farming Areas, Urban Markets, and Malze Growing Areas



**Fig. 2.3. Distribution of Agricultural Development,
c. 1975**



6. ザンビア国農業生産概況 (1998/99)

White Maize

Province	Area Planted (Ha)	Area to be Harvested (Ha)	Expected Production (90 Kg Bag)	Expected Sales (90 Kg Bag)	Amount of Fertilizer		Yield/Ha (90 Kg Bag)
					Basal (Kg)	Top (Kg)	
CENTRAL	75,061	64,903	1,496,398	667,564	4,816,066	4,485,301	23.1
COPPERBELT	31,601	28,611	704,231	408,245	2,082,402	2,179,176	24.6
EASTERN	205,253	191,678	3,150,615	404,642	4,479,641	4,711,998	16.4
LUAPULA	11,926	10,909	234,601	95,393	595,020	587,253	21.5
LUSAKA	18,009	14,068	361,949	194,845	932,331	928,200	25.7
NORTHERN	44,880	40,983	693,197	236,342	3,029,591	2,742,330	16.9
NORTH-WESTERN	20,062	14,555	259,615	86,827	205,991	222,631	17.8
SOUTHERN	138,213	92,652	2,212,041	604,420	4,122,130	4,804,287	23.9
WESTERN	52,367	30,365	359,293	60,906	272,435	239,999	11.8
ZAMBIA	597,372	489,723	9,471,940	2,759,185	20,535,607	20,901,175	19.4

Yellow Maize

Province	Area Planted (Ha)	Area to be Harvested (Ha)	Expected Production (90 Kg Bag)	Expected Sales (90 Kg Bag)	Amount of Fertilizer		Yield/Ha (90 Kg Bag)
					Basal (Kg)	Top (Kg)	
CENTRAL	0.2	0.2	20	20	150	150	100.0
COPPERBELT	158	143	8,490	6,600	33,350	21,600	59.4
EASTERN	197	197	8,900	2,100	39,900	33,900	45.1
LUAPULA	4	4	32	12	800	800	8.0
LUSAKA	82	82	3,708	400	26,650	25,800	45.3
NORTHERN	-	-	-	-	-	-	-
NORTH-WESTERN	-	-	-	-	-	-	-
SOUTHERN	368	328	16,563	9,497	121,800	62,550	50.5
WESTERN	-	-	-	-	-	-	-
ZAMBIA	809	754	37,713	18,629	222,650	144,800	50.0

Sorghum

Province	Area Planted (Ha)	Area to be Harvested (Ha)	Expected Production (90 Kg Bag)	Expected Sales (90 Kg Bag)	Amount of Fertilizer		Yield/Ha (90 Kg Bag)
					Basal (Kg)	Top (Kg)	
CENTRAL	6,345	6,124	51,540	8,775	10,012	250	8.4
COPPERBELT	4,496	4,465	48,594	5,394	-	-	10.9
EASTERN	-	-	-	-	-	-	-
LUAPULA	601	592	8,810	994	-	-	14.9
LUSAKA	-	-	-	-	-	-	-
NORTHERN	8,522	7,995	77,440	16,988	33,382	9,963	9.7
NORTH-WESTERN	3,873	3,451	42,527	8,019	-	-	12.3
SOUTHERN	5,949	3,814	20,200	1,047	600	300	5.3
WESTERN	6,871	4,645	34,152	3,794	-	-	7.4
ZAMBIA	36,657	31,085	283,262	45,011	43,994	10,513	9.1

Paddy Rice

Province	Area Planted (Ha)	Area to be Harvested (Ha)	Expected Production (80 Kg Bag)	Expected Sales (80 Kg Bag)	Amount of Fertilizer		Yield/Ha (80 Kg Bag)
					Basal (Kg)	Top (Kg)	
CENTRAL	-	-	-	-	-	-	-
COPPERBELT	16	11	183	46	-	-	16.9
EASTERN	-	-	-	-	-	-	-
LUAPULA	1,300	1,223	28,706	20,042	50	50	23.5
LUSAKA	-	-	-	-	-	-	-
NORTHERN	7,315	5,668	84,792	44,443	88,551	38,052	15.0
NORTH-WESTERN	-	-	-	-	-	-	-
SOUTHERN	-	-	-	-	-	-	-
WESTERN	7,490	4,763	70,072	27,442	-	-	14.7
ZAMBIA	16,120	11,665	183,753	91,973	88,641	38,102	15.8

表-2 ザンビア国農業生産概況-2、1998/99

Millet

Province	Area Planted (Ha)	Area to be Harvested (Ha)	Expected Production (90 Kg Bag)	Expected Sales (90 Kg Bag)	Amount of Fertilizer		Yield/Ha (90 Kg Bag)
					Basal (Kg)	Top (Kg)	
CENTRAL	10,274	10,042	87,928	9,476	2,068	876	6.8
COPPERBELT	612	612	10,786	1,286	-	-	17.6
LUAPULA	5,771	5,739	57,299	25,772	-	-	10.0
LUSAKA	-	-	-	-	-	-	-
NORTHERN	49,294	45,969	490,340	90,797	180,412	49,204	10.7
NORTH-WESTERN	837	766	7,596	2,829	-	-	9.9
SOUTHERN	3,681	3,046	11,394	10	-	-	3.7
WESTERN	20,351	15,437	100,440	9,397	28	-	6.5
ZAMBIA	95,521	86,167	773,528	141,766	182,508	50,000	9.0

Sunflower

Province	Area Planted (Ha)	Area to be Harvested (Ha)	Expected Production (50 Kg Bag)	Expected Sales (50 Kg Bag)	Amount of Fertilizer		Yield/Ha (50 Kg Bag)
					Basal (Kg)	Top (Kg)	
CENTRAL	2,831	2,490	32,895	23,956	21,698	21,387	13.2
COPPERBELT	420	418	16,490	16,399	-	-	39.4
EASTERN	2,690	2,578	33,268	22,823	12,650	10,650	12.9
LUAPULA	63	63	877	687	508	-	13.9
LUSAKA	160	89	628	588	100	-	7.1
NORTHERN	1,154	1,119	18,665	8,059	2,950	200	16.7
NORTH-WESTERN	75	75	323	84	250	-	4.3
SOUTHERN	5,957	4,097	31,761	26,609	6,900	6,600	7.8
WESTERN	6	5	60	60	-	-	12.0
ZAMBIA	13,356	10,933	134,968	99,265	45,056	38,837	12.3

Groundnuts

Province	Area Planted (Ha)	Area to be Harvested (Ha)	Expected Production (80 Kg Bag)	Expected Sales (80 Kg Bag)	Amount of Fertilizer		Yield/Ha (80 Kg Bag)
					Basal (Kg)	Top (Kg)	
CENTRAL	10,722	10,582	39,267	14,552	-	697	3.7
COPPERBELT	2,965	2,880	15,575	5,664	-	-	5.4
EASTERN	47,732	46,822	244,530	76,096	-	-	5.2
LUAPULA	17,262	16,660	83,270	38,193	-	-	5.0
LUSAKA	1	1	5	-	50	-	10.0
NORTHERN	28,702	27,154	153,321	53,209	-	-	5.6
NORTH-WESTERN	3,909	3,575	22,069	15,870	-	-	6.2
SOUTHERN	25,823	22,162	63,568	23,337	50	50	2.9
WESTERN	4,204	3,754	15,461	4,783	-	-	4.1
ZAMBIA	141,319	133,590	637,065	231,705	100	747	4.8

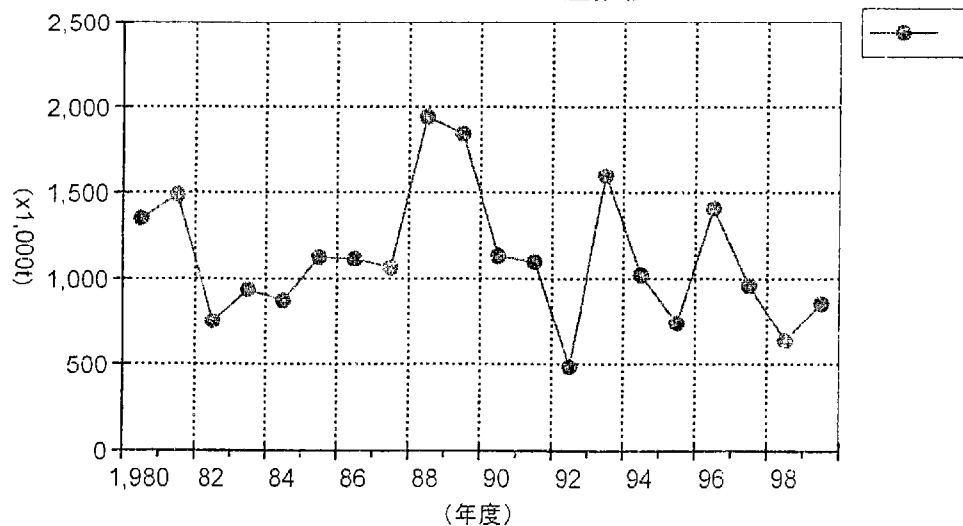
Soyabeans

Province	Area Planted (Ha)	Area to be Harvested (Ha)	Expected Production (90 Kg Bag)	Expected Sales (90 Kg Bag)	Amount of Fertilizer		Yield/Ha (90 Kg Bag)
					Basal (Kg)	Top (Kg)	
CENTRAL	125	125	1,552	1,412	14,000	-	12.4
COPPERBELT	5,643	5,643	199,565	198,909	1,102,000	-	35.4
EASTERN	2,304	2,244	14,563	10,918	7,363	11,567	6.5
LUAPULA	34	32	210	50	-	-	6.5
LUSAKA	2,160	2,020	45,814	42,883	261,700	1,350	22.7
NORTHERN	512	422	1,950	955	4,250	100	4.6
NORTH-WESTERN	76	45	411	125	-	-	9.0
Zambezi	-	-	-	-	-	-	-
SOUTHERN	866	866	32,637	32,027	19,900	26,000	37.7
WESTERN	-	-	-	-	-	-	-
ZAMBIA	11,721	11,398	296,701	287,278	1,409,213	39,017	26.0

7. メイズ生産流通概況

年度	生産量	収量/ha (t/ha)	出荷量	輸出量	輸入量(援助量) (1,000t)
1,980	1,349	2.5	490		200
81	1,485	2.4	693		200
82	750	1.7	511		60
83	935	1.7	531		200
84	872	1.7	780		130
85	1,122	1.9	678		80
86	1,112	1.9	954		-
87	1,063	1.7	653	60	16(0)
88	1,943	2.7	1,349	100	54(0)
89	1,843	1.8	1,220	100	106(0)
90	1,129	1.5	601	150	0(0)
91	1,096	1.7	603	150	0(0)
92	483	0.7	259	175	133(75)
93	1,598	2.5	930	50	224(550)
94	1,021	1.5	476	115	0(0)
95	738	1.4	345	0	215(10)
96	1,409	2.1	668	0	381(88)
97	960	1.5	312	50	0(0)
98	637	1.0	78		
99	855	1.7	60		

図ー1 メイズ生産推移



(注) Agricultural Statistics Bulletin 1995/96, MAFF その他資料より合成