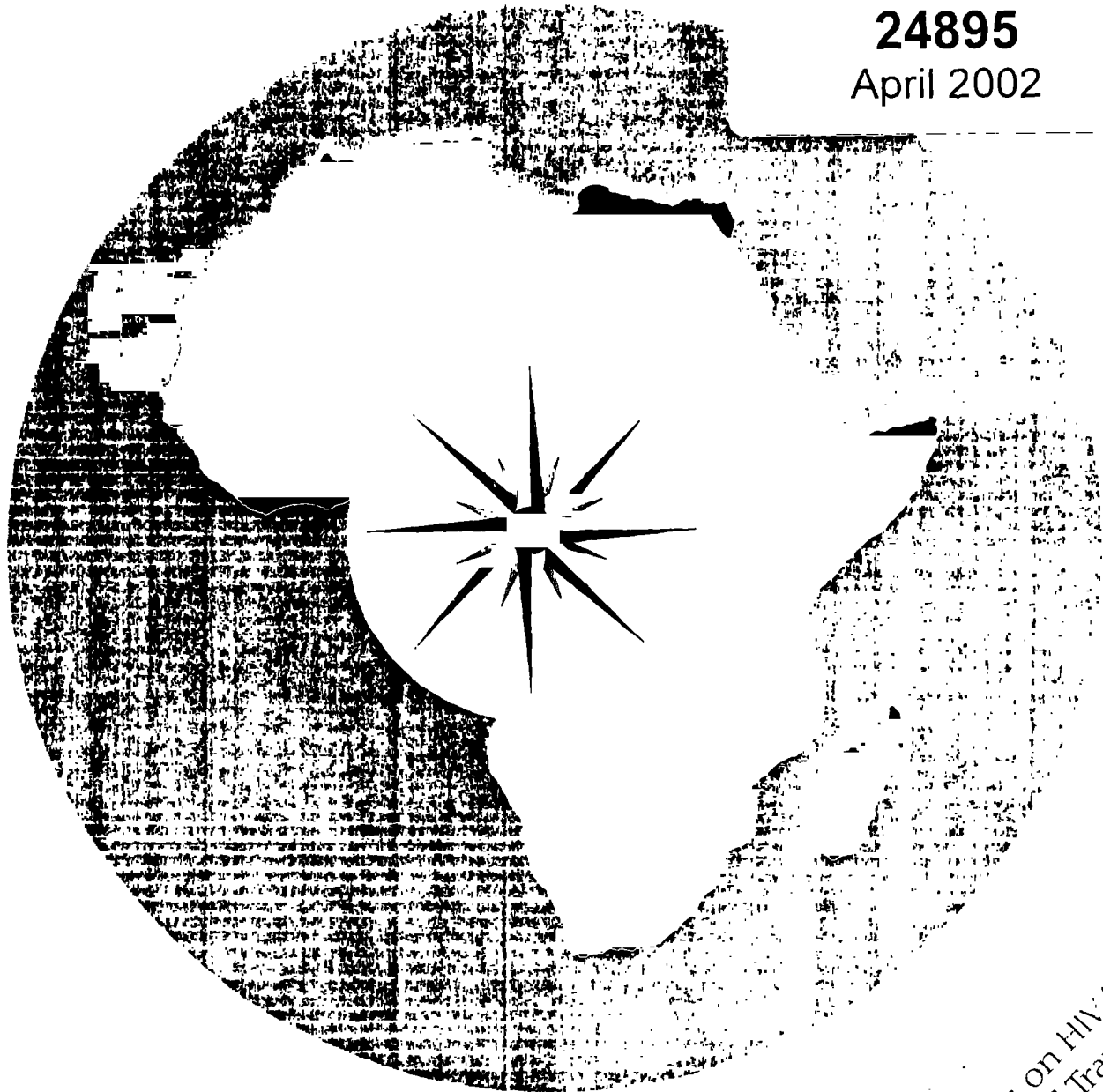


# AFRICAN DEVELOPMENT INDICATORS 2002

Drawn from World Bank Africa Database

**24895**

April 2002



With new tables on HIV/AIDS,  
Communications and Transportation,  
and the HIPC Debt Initiative



# **African Development Indicators 2002**



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## Preface

*African Development Indicators 2002* continues the data publication series started by the World Bank in 1989 with *African Economic and Financial Data* (published jointly with the United Nations Development Programme), followed by *African Development Indicators 1992, 1994/95, 1996, 1997, 1998/99, 2000, and 2001*. These data volumes are intended to provide Africans and those interested in Africa with a consistent and convenient set of data to monitor development programs and aid flows in the region. Each successive volume provides access to more focused information and represents an improvement in the quality and availability of the data.

The data in this volume derive from a variety of sources. In most cases, the original source is national statistical services in Africa. In addition, many international agencies collect or compile data on Africa and organize national data in a standardized framework. This volume draws heavily from such sources. The data have been supplemented by World Bank staff

estimates to help address problems of missing or inconsistent data from standard sources. Some of the estimation methods used here differ from methods used in other sources. This volume addresses these differences in methodologies in the chapter introductions and in the technical notes.

In the tradition of the first seven volumes, this data collection is intended to serve as a prime source of information on Africa. Its wide dissemination to African and non-African analysts and policymakers will contribute to a better understanding of Africa and to development on that continent.



John Roome  
Director, Operational Quality  
and Knowledge Services  
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## Acronyms and Abbreviations

ADB	African Development Bank	DRS	Debtor Reporting System (World Bank)
ADI	African Development Indicators	ECA	Economic Commission for Africa
AEFD	African Economic and Financial Data (UNDP/World Bank 1989)	FAO	UN Food and Agriculture Organization
AFESD	Arab Fund for Economic and Social Development	f.o.b.	Free on board
BADEA	Arab Bank for Economic Development in Africa	GDF	Global Development Finance (formerly World Debt Tables-WDT)
BIS	Bank for International Settlements	GDI	Gross domestic investment
CDIAC	Carbon Dioxide Information Analysis Center	GDP	Gross domestic product
CFA	Communauté Financière Africaine (franc zone)	GDS	Gross domestic savings
CIDA	Canadian International Development Agency	GFS	Government Finance Statistics (IMF)
c.i.f.	Cost, insurance, freight	GNFS	Goods and nonfactor services
CITES	Convention on International Trade in Endangered Species of Wild Flora and Fauna	GNP	Gross national product
CMEA	Council for Mutual Economic Assistance	GNS	Gross national savings
COMTRADE	Commodity Trade database (United Nations)	HIPC	Heavily Indebted Poor Countries
CPI	Consumer price index	IBRD	International Bank for Reconstruction and Development
DAC	Development Assistance Committee of the OECD	ICP	International Comparison Project
DDG	Development Data Group, World Bank	IDA	International Development Association
		IEA	International Energy Agency
		IFAD	International Fund for Agricultural Development
		IFS	International Financial Statistics (IMF)
		ILO	International Labour Organization
		IMF	International Monetary Fund
		ISIC	UN International Standard Industrial Classification
		ITU	International Telecommunications Union

IUCN	International Union for Conservation of Nature and Natural Resources	UNAIDS	United Nations Program on HIV/AIDS
LIBOR	London interbank offered rate	UNCTAD	United Nations Conference on Trade and Development
LIMIC	Low-income and middle-income countries	UNDP	United Nations Development Programme
MBO	Management employee buyout	UNECE	United Nations Economic Commission for Europe
METMIN	Metals and Minerals Database (World Bank)	UNEP	United Nations Environment Programme
ODA	Official development assistance	UNESCO	United Nations Education, Scientific, and Cultural Organization
OECD	Organization for Economic Cooperation and Development	UNHCR	United Nations High Commissioner for Refugees
OPEC	Organization of Petroleum Exporting Countries	UNICEF	United Nations Children's Fund
ORT	Oral rehydration therapy	UNIDO	United Nations Industrial Development Organization
PE	Public enterprise	UNSO	United Nations Statistical Office
SAF	Structural adjustment facility	UNSTAT	United Nations Statistical Department
SDA	Social dimensions of adjustment	UNTA	United Nations Technical Assistance
SDR	Special drawing right	WFP	World Food Programme
SIMA	Statistical Information Management and Analysis Database (World Bank)	WHO	World Health Organization
SITC	UN Standard International Trade Classification	WRI	World Resources Institute
SNA	System of national accounts	ZIMCO	Zambia Industrial and Mining Corporation



## Introduction

**T**he task of monitoring Africa's development progress and aid flows requires basic empirical data that can be readily used by analysts. This publication—which is the seventh in a series that began with the African Economic and Financial Data (AEFD), and was followed by African Development Indicators (ADI) 1992, 1994, 1995, 1996, 1997, 1998/99, 2000, and 2001—is meant to provide a starting point to fulfill that task.

This volume has been able to extend the work of the previous volumes in this series. In particular:

- Most macroeconomic data (in particular, national accounts, balance of payments, government finance statistics, and trade) reflect data maintained by World Bank country desks, often referred to as operational data. These data are often more up to date and offer better country coverage than the data stored in the Bank's central files, SIMA, which were used in publications before 1998. SIMA is a large database that contains some, but not all, data produced by Bank staff—operational and other—and some, but not all, data produced by UN agencies.

- The coverage of many of the data series has been improved, reflecting improvements in the underlying data series, as well as estimates made by Bank staff.

However, substantial data gaps remain, notably in areas such as public enterprises, gender, and labor. Strengthening the statistical capacity in African countries is an ongoing process and greater efforts and institutional support will be required if substantial improvements are to be made.

This volume presents the available relevant data for 1980–2000, grouped into fourteen chapters: background data; national accounts; prices and exchange rates; money and banking; external sector; external debt and related flows; government finance; agriculture; power, communications, and transportation; public enterprises; labor force and employment; aid flows; social indicators; and environmental indicators. Chapter 14 (environmental indicators) was once again taken from the World Resources Institute's World Resources 2001.

Each chapter begins with a brief introduction on the nature of the data, followed by a set of charts, statistical tables, and technical notes. These define the indicators and identify specific sources.

A companion CD-Rom, known as World Bank Africa Database 2002, provides year-by-year time series of most chapters back to 1980. These series will provide analysts with data needed to help place the most recent years in an historical context.

The data in this volume incorporate numerous revisions to those published previously in the series. There are several reasons for this.

- Many of the data that were based on estimates in the earlier volumes have been replaced with updated actual data or improved estimates. In most cases, these reflect revisions made by the original reporting authorities or sources, but it also includes corrections of errors in previous volumes.
- Data series expressed in constant U.S. dollars and exchange rates use a base year of 1995; previous ADIs were based on 1987 exchange rates and prices; and AEFD used 1980 exchange rate and prices.
- Some series expressed in constant prices have been revised as a result of updated or revised deflators.
- As in the 2000 volume, macroeconomic data reflect country desk information. The difference is most noticeable in the chapter on government finance, as figures reflect consolidated government data instead of only central government data.

Considerable effort has been made to standardize and to harmonize related data sets drawn from diverse sources. Because statistical methods, coverage, practices, and definitions differ widely among sources, full comparability cannot be assured, and the indicators must be interpreted with care. In addition, the statistical systems in many developing economies are still weak, and this affects the availability and reliability of the data they report. Moreover, intercountry and intertemporal comparisons always involve complex technical problems, which have no full and unequivocal solution.

The data are drawn from sources thought to be the most authoritative, but many data sources are subject to considerable margins of error. To provide reasonably timely data required for meaningful monitoring, the World Bank, the International Monetary Fund (IMF), and other agencies sometimes make estimates on the basis of available secondary information to fill critical gaps in national reporting, especially for the most recent

years, when data cannot be readily produced by national statistical sources. Nonetheless, data gaps exist for many indicators, and some countries are covered only sporadically.

Readers are urged to take these limitations into account in using the data and interpreting the indicators, particularly when making comparisons across economies. Weaknesses in the data point to the need for strengthened statistical systems throughout the region.

As a visual aid to data interpretation and cross-country comparisons, figures for selected indicators are included. As with time series, the figures should also be interpreted with caution, in particular in cross-country analysis, because countries with missing data are excluded from the charts.

Throughout this volume (except when otherwise stated), the symbol “.” indicates that data are not available or not applicable. A zero (0) indicates either zero value or an insignificant value, that is, less than one-half of the smallest unit shown. The symbol “MR” indicates “most recent year available.” In chapter 13, columns headed by a period (for example, 1992–95) show data for the latest available year in the period.

To facilitate cross-country comparisons, values of many national series have been converted from the national currencies to U.S. dollars, using the World Bank Atlas methodology.

Indicators in this volume generally follow standard definitions as far as possible and cover years through 2000, depending on the chapter. Data for 2000 are preliminary and therefore may not be internally consistent within and across accounts, and may not be available for all countries. Because data are continually updated, the statistics here may be different from those in other publications.

Shares and ratios are always calculated using current price series; when gross domestic product GDP is used as the denominator for these calculations, it is always expressed at market prices (except in Figure 2-3).

In all but the last chapter, the data are arranged by indicator to facilitate cross-country comparisons. For country-specific work, data can be arranged to show all indicators together for each country.

In this volume, the statistical tables are usually arranged as time series, by country and by country groups. The largest country group is All Africa,

consisting of two subgroups: North Africa and Sub-Saharan Africa (including South Africa). In turn, the Sub-Saharan Africa group is shown excluding South Africa and Nigeria. These two subgroups correspond to the Sub-Saharan Africa and Sub-Saharan Africa excluding Nigeria groups shown in the *AEFD* and *ADI* 1992, where South Africa was listed separately.

Annual data shown for country groups are totals, averages, or medians for the countries included in the group, as indicated on the table. These group aggregates can be either simple arithmetic—where missing data are not imputed or gap-filled—where weights are used to adjust group totals for missing countries. In the latter case, when values are missing for a country or a year, estimates are made to maintain the same country composition of the groups through time. However, the implicit estimated values for the countries with missing data are not shown separately in the tables. These gap-fill estimates are made, and the aggregate statistics shown, only if the countries for which data are available for a given year account for at least two-thirds of the full group, as defined by benchmarks in 1995. This procedure is standard for many World Bank statistical publications.

Most group averages are weighted according to the relative importance of the countries in the group total for that indicator, based on simple addition across countries when the indicator is expressed in reasonably comparable units. Group averages for analytical ratios (for example, imports to GDP) can be either weighted or simple (arithmetic). Usually they are calculated from the group totals for both the numerator and the denominator, which is analytically equivalent to calculating weighted averages, where the weight for each country is its share in the group total for the

denominator. Sometimes, however, when it is appropriate to treat the experiences of different countries equally in determining a representative value for the group, these group averages are arithmetic—that is, each country has equal weight.

Period averages—shown for 1975–84, 1985–89, and 1990 to most recent year—are calculated from time series (levels, ratios, growth rates, or medians) for both countries and country groups. They are either simple averages or average annual percentage growth rates. These growth rates always use the least-squares method and are usually computed from real-term series. In this publication, the least-squares growth rates are computed using the level for the year before the first year shown in the label. The least-squares growth rate,  $r$ , is estimated by fitting a least-squares linear regression trend line to the logarithmic annual values of the variable in the relevant period. More specifically, the regression equation takes the form:  $\log X_t = a + bt + e_t$ , where this is equivalent to the logarithmic transformation of the compound growth rate equation,  $X_t = X_0 (1 + r)^t$ . In these equations  $X$  is the variable,  $t$  is time, and  $a = \log X_0$  and  $b = \log (1 + r)$  are the parameters to be estimated;  $e$  is the error term. If  $b^*$  is the least-squares estimate of  $b$ , then the annual average growth rate,  $r$ , is obtained as  $[\text{anti log } (b^*)] - 1$  and multiplied by 100 to express it in percentage terms. The least-squares growth rate dampens the influence of exceptional values, particularly at the end points. Least-square growth rates are calculated only if more than two-thirds of consecutive data—carrying the same sign—are present in the time series.

Throughout this volume, data for Ethiopia include Eritrea up to 1992, except when otherwise indicated.

## **Selected Background Data**

**T**he first two tables of the volume provide selected indicators, including a series on population, as background to the data in the rest of the volume. Table 1-1 provides a comparative view, across

indicators, of some of the more important indicators for all countries in the most recent year for which relatively complete information is available.



## 1-1. Basic Indicators

	Population mid-2000 (millions)	Land area (thousands of square km.)	GNI per capita		Life expectancy at birth (years)	School enrollment				Total net ODA per capita 2000
			Atlas dollars 2000	Av. annual percentage growth 1988-00		Primary		Secondary		
						1980	1994-97	1980	1994-97	
SUB-SAHARAN AFRICA	659.8	23,628	474	-0.6	47	80.7	78	15	26.5	7
excluding South Africa	617.0	22,407	299	-0.3	47	79.9	74	15	21.1	7
excl. S. Africa & Nigeria	490.1	21,497	309	-0.4	47	72.4	67	14	16.8	9
Angola	12.7	1,247	240	-8.7	47	175	..	21	..	12
Benin	6.3	111	380	1.5	53	67	78	16	17	10
Botswana	1.6	567	3,300	2.2	39	91	108	19	65	9
Burkina Faso	11.3	274	230	2.0	45	18	40	3	..	11
Burundi	6.8	26	110	-4.1	42	26	51	3	7	5
Cameroon	15.1	465	570	-2.5	51	98	85	18	27	7
Cape Verde	0.4	4	1,330	2.6	69	114	148	8	..	98
Central African Republic	3.6	623	290	-0.7	44	71	..	14	..	5
Chad	7.7	1,259	200	-1.0	49	..	58	..	10	6
Comoros	0.6	2	380	-2.8	61	86	75	22	21	13
Congo, Democratic Rep. of	51.4	2,267	..	0.2	46	92	72	24	26	2
Congo, Republic of	2.9	342	630	-5.5	48	141	114	74	53	4
Côte d'Ivoire	16.0	318	660	0.1	46	75	71	19	24	4
Djibouti	0.7	23	840	0.0	47	37	39	12	14	34
Equatorial Guinea	0.5	28	..	..	51	160	..	..	..	16
Eritrea	4.1	101	170	0.3	50	..	53	..	20	16
Ethiopia	64.3	1,000	100	1.4	42	37	43	9	12	4
Gabon	1.2	258	3,180	0.0	53	174	162	..	..	19
Gambia, The	1.3	10	330	-0.2	53	53	77	11	25	20
Ghana	19.2	228	350	1.6	58	79	79	41	..	10
Guinea	7.4	246	450	1.8	46	36	54	17	12	6
Guinea-Bissau	1.2	28	180	-1.3	44	68	62	6	..	33
Kenya	30.1	569	360	0.0	48	115	85	20	24	5
Lesotho	2.2	30	540	-0.4	45	104	108	18	31	10
Liberia	3.1	96	..	0.0	47	48	..	22	..	12
Madagascar	15.5	582	260	-0.7	54	130	92	..	16	4
Malawi	11.0	94	170	0.6	39	60	134	5	17	20
Mali	10.8	1,220	240	0.9	50	26	49	8	10	4
Mauritania	2.7	1,025	370	1.2	54	37	79	11	16	32
Mauritius	1.2	2	3,800	4.2	71	93	106	50	65	8
Mozambique	17.6	784	210	3.4	43	99	60	5	7	21
Namibia	1.7	823	2,050	2.2	50	..	131	..	61	51
Niger	10.8	1,267	180	-1.5	46	25	29	5	7	4
Nigeria	126.9	911	260	0.6	47	109	98	18	33	1
Rwanda	8.5	25	230	-3.0	40	63	..	3	..	19
São Tomé and Príncipe	0.1	1	290	-0.8	65	..	..	..	..	149
Senegal	9.5	193	500	0.6	52	46	71	11	16	10
Seychelles	0.1	0	7,310	1.9	72	..	..	..	..	192
Sierra Leone	5.0	72	130	-6.1	37	52	..	14	..	21
Somalia	9.7	627	..	0.0	48	22	..	9	..	6
South Africa	42.8	1,221	3,020	-0.3	48	90	133	..	94	6
Sudan	29.7	2,376	320	0.0	56	50	51	16	21	6
Swaziland	1.0	17	1,290	0.7	46	103	117	38	54	7
Tanzania	33.7	884	280	0.5	45	93	67	3	5	12
Togo	4.7	54	300	-1.2	49	118	120	33	27	4
Uganda	22.2	200	310	3.7	42	50	74	5	12	21
Zambia	10.1	743	300	-2.2	38	90	89	16	27	26
Zimbabwe	12.6	387	480	-0.4	40	85	112	8	49	7
NORTH AFRICA	138.0	5,738	1,630	1.3	68	84	100	41	64	4
Algeria	30.4	2,382	1,590	-0.6	71	95	108	33	63	3
Egypt, Arab Republic	63.8	995	1,490	2.6	67	73	101	51	75	4
Libya	5.5	1,760	..	0.0	71	125	..	76	..	..
Morocco	28.7	446	1,180	0.7	67	83	86	26	39	5
Tunisia	9.6	155	2,090	3.0	73	102	118	27	65	7
ALL AFRICA	797.8	29,367	671	-0.1	51	81	80	20	34	7

Note: 2000 data are preliminary (see page 2). GNI per capita previously called GNP per capita.

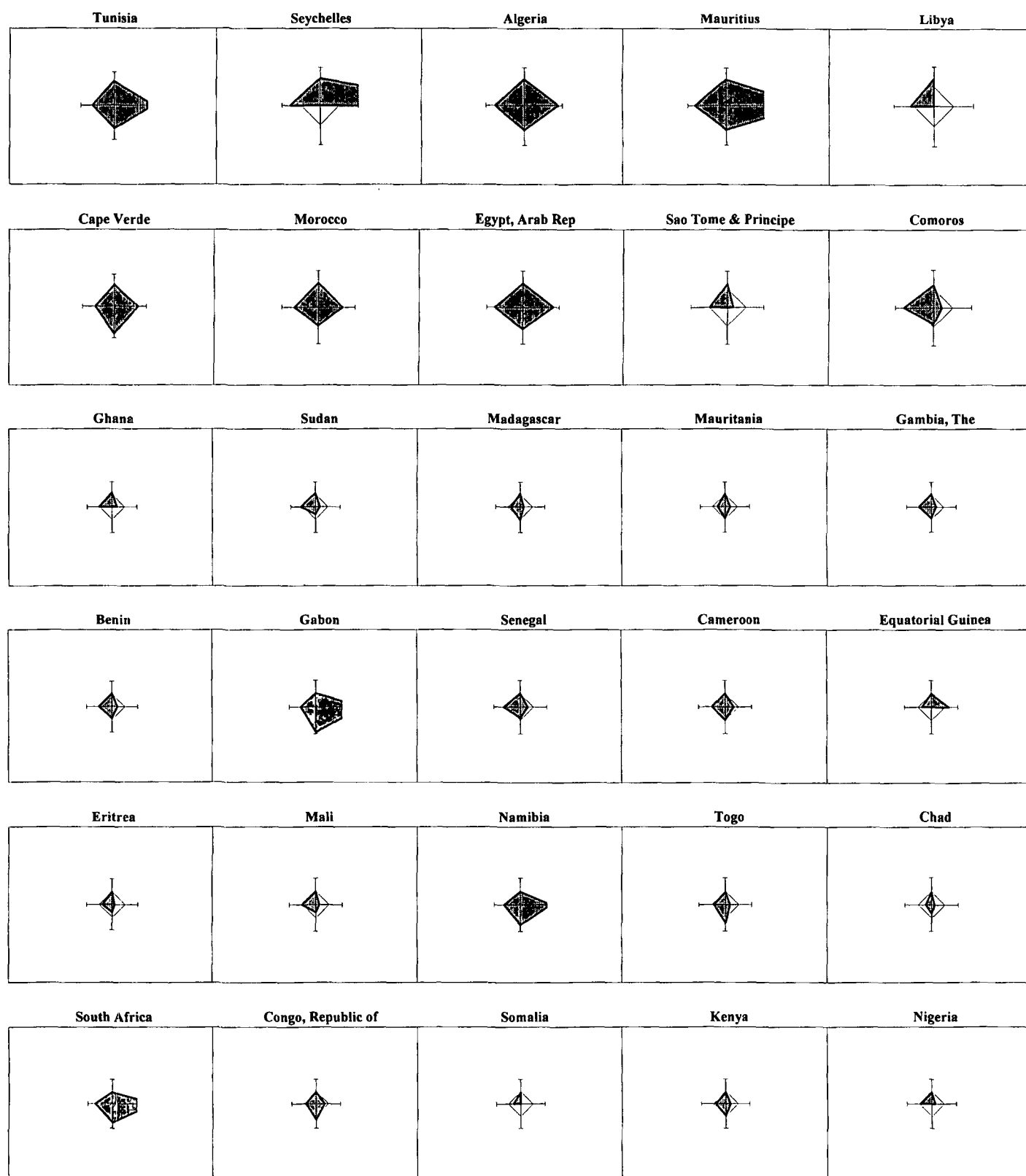
All ODA data for 2000 are as of December 31, 2001. OECD is expected to update their data in January 2002.

## 1-2. Population

	Millions of people											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	380.74	523.05	538.05	549.92	563.60	579.43	595.49	612.29	628.17	643.95	659.77	2.9	2.8	2.7
excluding South Africa	353.16	487.11	501.36	512.45	525.31	540.31	555.58	571.62	586.76	601.84	616.97	2.9	2.8	2.7
excl. S Africa & Nigeria	282.01	388.13	399.48	407.55	417.30	429.04	441.08	453.94	465.95	477.95	490.06	2.9	2.7	2.7
Angola	7.02	9.59	9.94	10.28	10.63	10.97	11.32	11.66	12.01	12.36	12.72	2.7	2.8	3.3
Benin	3.46	4.88	5.03	5.18	5.33	5.48	5.63	5.79	5.95	6.11	6.28	2.9	3.2	2.9
Botswana	0.91	1.31	1.35	1.39	1.43	1.46	1.50	1.53	1.56	1.59	1.60	3.6	3.5	2.4
Burkina Faso	6.96	9.09	9.31	9.53	9.76	9.99	10.23	10.47	10.73	11.00	11.27	2.4	2.4	2.4
Burundi	4.13	5.60	5.75	5.89	6.02	6.16	6.29	6.42	6.55	6.68	6.81	2.5	2.9	2.3
Cameroon	8.66	11.80	12.13	12.47	12.82	13.18	13.55	13.92	14.30	14.69	15.09	2.8	2.9	2.8
Cape Verde	0.29	0.35	0.35	0.36	0.37	0.38	0.39	0.40	0.42	0.43	0.44	1.0	1.9	2.6
Central African Republic	2.31	3.01	3.08	3.15	3.22	3.29	3.35	3.42	3.48	3.54	3.60	2.4	2.4	2.1
Chad	4.48	5.89	6.06	6.25	6.46	6.71	6.89	7.09	7.28	7.49	7.69	2.4	2.4	3.0
Comoros	0.34	0.44	0.46	0.47	0.48	0.49	0.50	0.52	0.53	0.54	0.56	..	2.6	2.6
Congo, Democratic Rep. of	27.01	38.60	39.87	41.16	42.49	43.85	45.25	46.71	48.22	49.78	51.39	3.1	3.4	3.2
Congo, Republic of	1.67	2.28	2.35	2.42	2.49	2.56	2.63	2.71	2.78	2.86	2.94	2.9	2.9	2.8
Côte d'Ivoire	8.19	12.21	12.62	13.04	13.46	13.88	14.30	14.72	15.14	15.55	15.95	3.9	3.7	3.1
Djibouti	0.28	0.53	0.55	0.57	0.58	0.60	0.61	0.62	0.64	0.65	0.66	6.7	6.1	2.6
Equatorial Guinea	0.22	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.45	2.4	3.4	2.5
Eritrea	2.38	3.22	3.31	3.39	3.48	3.57	3.67	3.77	3.88	3.99	4.10	2.6	..	2.7
Ethiopia	37.72	52.95	54.79	53.30	54.89	56.53	58.23	59.75	61.27	62.78	64.30	2.8	3.2	2.3
Gabon	0.69	0.99	1.02	1.05	1.07	1.10	1.13	1.15	1.18	1.21	1.24	3.2	3.4	2.6
Gambia, The	0.64	0.96	1.00	1.04	1.08	1.11	1.15	1.18	1.22	1.25	1.29	3.1	4.1	3.5
Ghana	10.74	15.31	15.76	16.20	16.64	17.08	17.51	17.94	18.36	18.78	19.20	2.3	3.5	2.6
Guinea	4.46	5.92	6.09	6.26	6.42	6.59	6.76	6.92	7.09	7.25	7.42	1.7	2.8	2.6
Guinea-Bissau	0.80	0.99	1.01	1.03	1.06	1.09	1.11	1.14	1.16	1.18	1.21	3.7	2.3	2.2
Kenya	16.63	24.02	24.68	25.35	26.02	26.69	27.36	28.04	28.73	29.42	30.09	3.8	3.5	2.6
Lesotho	1.35	1.76	1.80	1.84	1.89	1.93	1.97	2.01	2.06	2.11	2.15	2.5	2.5	2.3
Liberia	1.88	2.48	2.54	2.60	2.66	2.73	2.81	2.88	2.96	3.04	3.13	3.2	2.3	2.5
Madagascar	8.87	11.89	12.19	12.54	12.91	13.30	13.72	14.15	14.59	15.05	15.52	2.6	2.8	2.9
Malawi	6.18	8.74	8.99	9.24	9.49	9.76	10.02	10.28	10.53	10.79	11.04	3.2	3.4	2.7
Mali	6.59	8.70	8.93	9.16	9.39	9.62	9.85	10.09	10.33	10.58	10.84	2.2	2.7	2.5
Mauritania	1.55	2.08	2.14	2.20	2.26	2.33	2.39	2.46	2.53	2.60	2.67	2.5	2.8	2.8
Mauritius	0.97	1.07	1.08	1.10	1.11	1.12	1.13	1.15	1.16	1.17	1.19	1.4	0.8	1.2
Mozambique	12.10	14.42	14.69	15.01	15.42	15.82	16.23	16.63	16.97	17.30	17.62	2.7	1.0	2.2
Namibia	1.03	1.39	1.42	1.46	1.50	1.54	1.58	1.62	1.66	1.70	1.74	2.7	2.8	2.6
Niger	5.59	7.98	8.25	8.54	8.84	9.15	9.47	9.80	10.15	10.50	10.85	3.3	3.2	3.5
Nigeria	71.15	98.98	101.88	104.89	108.01	111.27	114.50	117.68	120.82	123.90	126.91	3.1	3.0	2.9
Rwanda	5.16	7.15	7.35	7.54	6.23	6.40	6.73	7.90	8.11	8.31	8.51	3.3	3.0	1.8
São Tomé and Príncipe	0.09	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.15	1.5	2.8	2.6
Senegal	5.54	7.50	7.69	7.90	8.11	8.33	8.56	8.79	9.04	9.29	9.53	2.9	2.8	2.7
Seychelles	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	1.4	0.7	1.5
Sierra Leone	3.24	4.09	4.19	4.29	4.40	4.51	4.63	4.75	4.85	4.95	5.03	2.0	2.2	2.4
Somalia	5.85	8.15	8.38	8.47	8.41	8.20	8.48	8.77	9.08	9.39	9.71	5.5	2.3	2.1
South Africa	27.58	35.93	36.69	37.47	38.28	39.12	39.91	40.67	41.40	42.11	42.80	2.3	2.5	2.0
Sudan	18.68	24.57	25.08	25.59	26.10	26.62	27.16	27.74	28.35	28.99	29.68	3.1	2.4	2.1
Swaziland	0.57	0.79	0.82	0.85	0.87	0.90	0.93	0.96	0.99	1.02	1.05	3.2	3.2	3.2
Tanzania	18.58	26.28	27.10	27.94	28.79	29.65	30.49	31.32	32.13	32.92	33.70	3.2	3.2	2.9
Togo	2.62	3.64	3.75	3.87	3.99	4.11	4.23	4.35	4.46	4.57	4.67	2.8	3.0	2.9
Uganda	12.81	16.89	17.46	18.03	18.60	19.22	19.81	20.42	21.04	21.62	22.21	2.4	2.6	3.2
Zambia	5.74	8.02	8.26	8.50	8.74	8.98	9.21	9.44	9.67	9.88	10.09	3.4	3.0	2.7
Zimbabwe	7.01	10.02	10.28	10.53	10.78	11.48	11.70	11.92	12.19	12.39	12.63	3.1	3.3	2.8
NORTH AFRICA	58.35	116.66	119.21	121.72	124.17	126.55	128.85	131.15	133.44	135.72	138.04	2.7	2.5	2.0
Algeria	18.67	25.64	26.27	26.89	27.50	28.06	28.57	29.05	29.51	29.95	30.40	3.1	2.8	2.0
Egypt, Arab Republic	40.88	53.62	54.78	55.93	57.06	58.18	59.27	60.40	61.52	62.65	63.82	2.5	2.5	2.0
Libya	3.04	4.53	4.64	4.75	4.86	4.97	5.08	5.19	5.30	5.42	5.54	4.5	3.4	2.3
Morocco	19.38	24.52	25.00	25.47	25.93	26.39	26.85	27.31	27.78	28.24	28.71	2.3	2.2	1.8
Tunisia	6.38	8.34	8.51	8.65	8.82	8.96	9.09	9.22	9.33	9.46	9.58	2.6	2.5	1.7
ALL AFRICA	469.09	639.71	657.26	671.64	687.77	705.98	724.31	743.45	761.61	779.67	797.81	2.8	2.7	2.6

Note: 2000 data are preliminary (see page 2).

**Figure 1-1. Development diamonds for all African countries, 2000\***



\*Or most recent year available

(Graph continued on the following page)

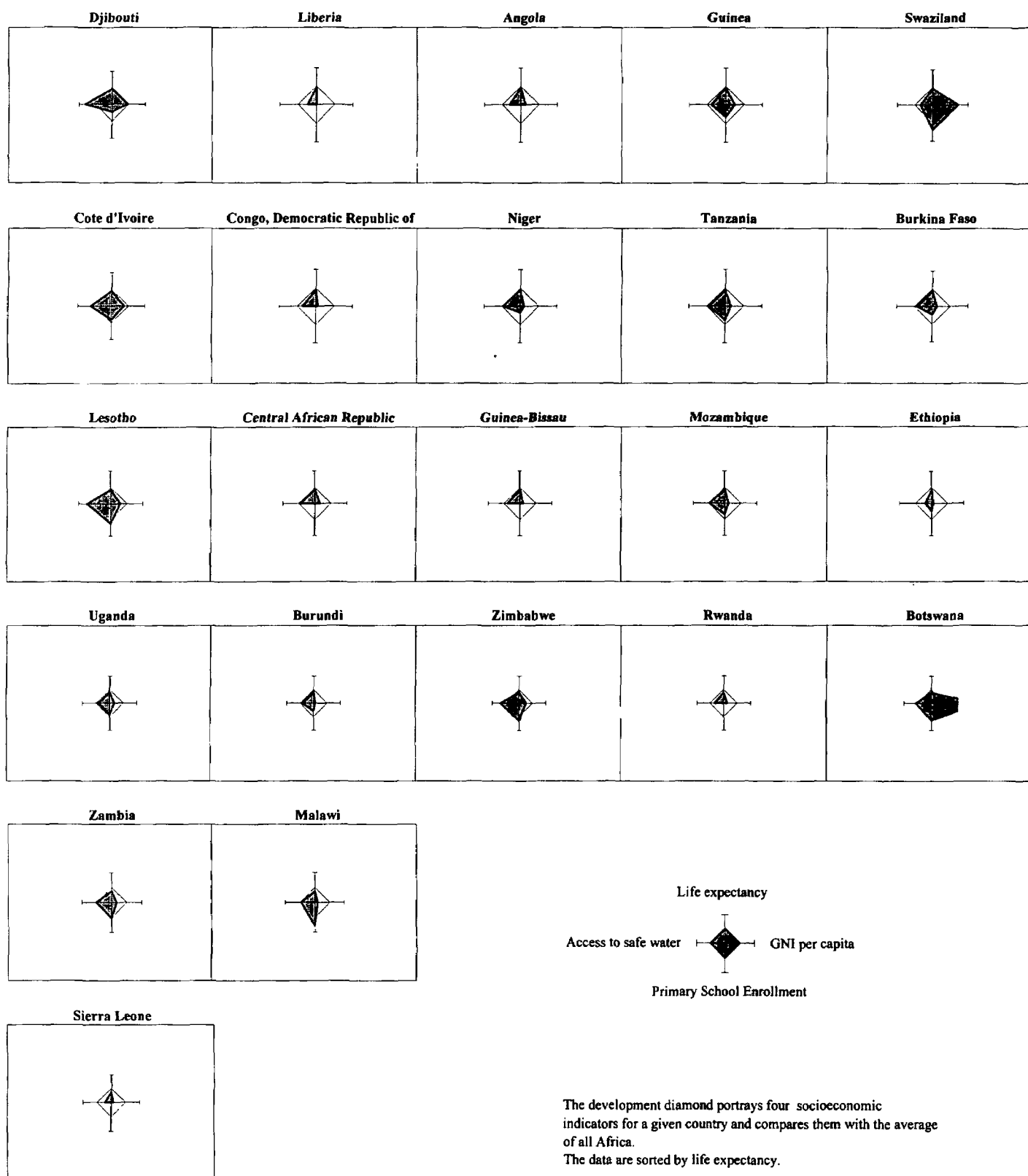
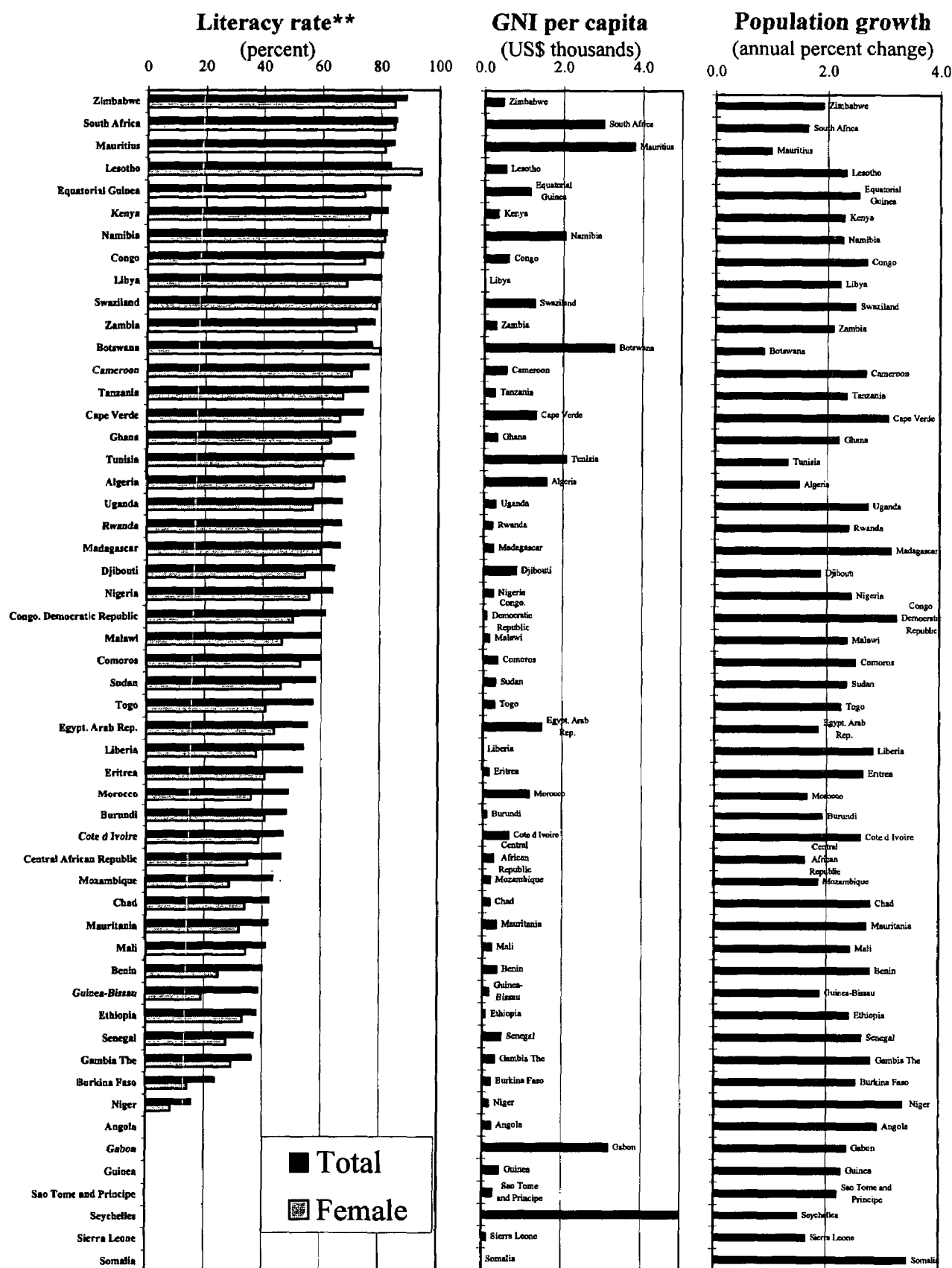
**Figure 1-1. (continued)**

Figure 1-2. Selected basic indicators, 2000\*



\* Or most recent year available.

\*\* Sorted by total literacy rate.

## Technical notes

### Tables

**Table 1-1. Basic indicators.** The data for this table are from the World Bank's Statistical Information Management and Analysis Database (SIMA), except for official development assistance (ODA), which are from the OECD, Geographical Distribution of Financial Flows to Developing Countries database (see technical notes to Chapter 12). Regional aggregates for GNP per capita, life expectancy, and education are weighted by population.

Population estimates for mid-2000 are World Bank estimates. These are usually projections from the most recent population censuses or surveys (mostly from 1980–2000). Refugees not permanently settled in the country of asylum are generally considered to be part of the population of their country of origin (see technical notes to Tables 13-1, 13-4, and 13-5).

Land area refers to the land surface area of a country, excluding inland waters.

GNI per capita figures in U.S. dollars are calculated according to the World Bank Atlas method described below. GNI measures the total domestic and foreign value added claimed by residents. It comprises GDP (defined in the note for Table 2-5) plus net factor income from abroad, which is the income residents receive from abroad for factor services (labor and capital) less similar payments made to nonresidents who contributed to the domestic economy. The data are from the Food and Agriculture Organization (FAO).

The *World Bank Atlas* method uses a three-year average of conversion factors to convert GNI data, expressed in different national currencies, to a common denomination, conventionally U.S. dollars. The *Atlas* conversion factor for any year is the average of the official exchange rate (Table 3-4) or alternative conversion factor (Table 3-6) for that year and for the

two preceding years, after adjusting them for differences in relative inflation between that country and the United States. This three-year average smoothes fluctuations in prices and exchange rates for each country. The resulting GNI in U.S. dollars is divided by the midyear population for the latest of the three years to derive GNI per capita.

The following formulas describe the procedures for computing the conversion factor for year  $t$ :

$$e_{t-2,t}^* = \frac{1}{3} \left[ e_{t-2} \left( \frac{P_t}{P_{t-2}} / \frac{P_t^s}{P_{t-2}^s} \right) + e_{t-1} \left( \frac{P_t}{P_{t-1}} / \frac{P_t^s}{P_{t-1}^s} \right) + e_t \right]$$

and for calculating per capita GNI in U.S. dollars for year  $t$ :

$$Y_t^s = (Y_t / N_t) + e_{t-2,t}^*$$

where  $Y_t$  = current GNI (local currency) for year  $t$ ,  $P_{t<D\%>}$  = GNI deflator for year  $t$ ,  $N_t$  midyear population for year  $t$ , and  $P_t^s$  = US GNI deflator for year  $t$ .

Growth rates of GNI per capita for this table are shown in real terms. They have been calculated by the least-squares method using constant GNI per capita series in 1995 prices in national currency (World Bank, SIMA). See also technical notes for Table 2-19.

Life expectancy at birth indicates the number of years a newborn infant would live if prevailing patterns of mortality at the time of its birth were to remain the same throughout its life. Figures are World Bank estimates based on data from the UN Population Division, the UN Statistical Office, and national statistical offices.

Primary school enrollment is the ratio of children of all ages enrolled in primary school to the population of children of primary school age. While many countries consider the primary school age to be 6 to 11 years, others use different age groups. These different country practices are also reflected in the ra-

tios. Gross enrollment may be reported in excess of 100 percent if some pupils are younger or older than the country's standard range of primary school age. In practice, enrollment does not necessarily equal attendance, nor does it remain constant throughout the year. Data are from the United Nations Education, Scientific, and Cultural Organization (UNESCO).

Secondary school enrollment is the ratio of children of all ages enrolled in secondary schools to the population of children of secondary school age. The definition of secondary school age differs among countries. It is most commonly considered to be 12 to 17 years. Data are from UNESCO.

Total net ODA per capita consists of net disbursements of loans and grants from all official sources on concessional financial terms, divided by the midyear population for the corresponding year (see the technical notes to Chapter 12).

**Table 1-2. Population.** Average annual percentage growth shown in this table was calculated using the least-squares method.

Statistical background for the population estimates is available in the UN Population and Vital Statistics Report and the World Bank's World Population Projections (World Bank 1994–95) (see also the technical notes to Chapter 13).

## Figures

The following indicators have been used to derive the figures in this chapter.

**Figure 1-1.** Life expectancy (Table 1-1); access to safe water (Table 13-10); GNI per capita (Table 2-19); primary school enrollment (Table 1-1).

**Figure 1-2.** Literacy rate (Table 13-13); GNI per capita (Table 2-19); population growth (Table 1-2).

### Methodology used for regional aggregations and period averages in chapter 1

Table	Aggregations <sup>a</sup>						Period averages <sup>b</sup>	
	(1)	(2)	(3)	(4)	(5)	(6)	(2)	(3)
Table 1-1								
Column 1	x							
Column 2	x							
Column 3				x				
Column 4				x				x
Column 5					x			
Column 6					x			
Column 7					x			
Column 8					x			
Column 9					x			
Column 10		x						
Table 1-2	x						x	

*Note:* Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in column 4 for Table 1-1 and in the last three columns for Table 1-2. This table shows only the methodologies used in this chapter.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).



## National Accounts

**N**ational accounts data provide the broadest picture of a nation's economic performance. National accounts give information on the structure of production in the form of gross domestic product (GDP) and its components by industrial origin, GDP and its components by expenditure, and information on a nation's economic relations with the outside world. These are the key statistics for assessing a nation's economic condition at a given time or the trends in a nation's economic performance over time. National accounts data also provide a quantitative basis for forecasting and policymaking and as such are used widely both by analysts and policymakers.

GDP and its components by industrial origin are compiled following the widely used System of National Accounts (SNA). The SNA methodology accounts for virtually all activities pertinent to the production of goods and the provision of services in an economy by residents and nonresidents, regardless of the allocation to domestic and foreign claims. GDP does not account for the depreciation of fixed capital.

There are three methods of compiling GDP figures: income, expenditure, and production methods. Because of technical and resource constraints, the income method is not used in most developing countries. In this volume, GDP and its components by industrial origin are compiled using the production method. The three components of GDP by industrial

origin are value added in agriculture, value added in industry, and value added in services. (See the technical notes at the end of this chapter.) The national accounts are constructed in national currencies and in current prices. Figures reported in this chapter are, however, in U.S. dollars, usually converted from national currency series at the official exchange rate. If the official exchange rate is significantly different from the prevailing market rate or shows extreme volatility, the local currency is converted into U.S. dollars by using an alternative conversion factor. The conversion factors used for this purpose are presented in Table 3-6. Reporting currencies in a common denominator facilitates cross-country comparisons and aggregations in country groups.

In addition, estimates of GDP and its components by industrial origin are converted into constant prices. Reporting figures in constant prices is essential for monitoring real changes in the structure of production and for analyzing relations among prices, production, employment, and so forth.

Constant price series in U.S. dollars use a 1995 base year and are converted from national currency series using 1995 exchange rates. To establish a common base year for all countries, national accounts in national currencies at constant prices based on years other than 1995 have been partly rebased to 1995 by rescaling constant price series of components of GDP.

Using a single base year raises problems when there are profound structural changes or significant changes in relative prices. For example, values expressed in constant U.S. dollars necessarily reflect the exchange rates prevailing during the base year. Where subsequent exchange rate changes have been substantial, as they have for many African countries since 1980, comparisons among countries and aggregate trends will be affected. For this reason alone, the data should be used with considerable caution.

Monitoring resource allocations across sectors in any given point in time requires the use of current prices. Accordingly, in addition to GDP in constant prices, GDP in current prices is provided. Following GDP in current prices are components of GDP by expenditure. Data on consumption, investment, and savings are constructed using the SNA's convention. Conceptually, all income is either consumed or saved, and as such the sum of total consumption and gross domestic saving equals GDP.

When viewed from a production point of view, by definition savings equals investment. Investment measures additions to fixed assets of an economy, whether it represents additions to the stock of capital or merely replenishes depreciated capital stock, plus net changes in the level of inventories. It is financed either through domestic savings or by drawing on the savings of foreigners. Data on gross domestic investment and gross domestic savings thus shed light not only on the nature of the domestic inter-temporal resource allocation but also on the size of the resource gap. Gross national savings, however, indicates the amount of savings generated by a nation's residents.

Although this volume includes a chapter on international trade, the fact that balance of payments is an integral part of the national accounts warrants the inclusion of the resource balance and its components in this chapter. Moreover, a closer examination of the fifth edition of the IMF's Balance of Payments Manual

(1993) reflects differences in concepts, definitions, and classifications from the UN's SNA guidelines. For instance, in the SNA, factor services rendered by residents of another country are excluded from goods and services, but this practice is not universally followed. The tables on resource balance, and on values of exports (f.o.b.) and imports (c.i.f.) of goods and nonfactor services in current U.S. dollars provide a comprehensive and systematic framework for macro-economic analysis in general. Those interested in a more specialized and rigorous study of international trade transactions should use the data provided in Chapter 5.

The rate of growth of real domestic product is an important indicator of economic progress and as such is widely monitored. Because these growth rates are calculated from national series, they are suitable for both cross-country comparisons and trend analysis for individual countries. Aggregate values and trends, however, reflect the choice of the base year, as explained above.

Gross national income per capita, which is GDP per capita adjusted for changes in international terms of trade and which include net factor income from abroad, and total consumption per capita are also widely monitored indicators of economic progress. When expressed in current U.S. dollars to facilitate comparison and aggregation, however, the values for these indicators necessarily reflect exchange rate fluctuations as well as underlying economic and demographic changes. These indicators may be used with caution for cross-country comparison during any single year. They require special attention when used for trend analysis.

Data for Chapter 2 are from the World Bank's country desks. Estimates are based on data obtained from national sources, usually collected by World Bank staff who review the quality of national accounts data and, in some instances, help adjust national series.

## 2-1. Gross domestic product, real

	Millions of U.S. dollars, constant 1995 prices											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	251,177	299,930	296,567	298,548	305,205	317,680	332,705	343,851	351,894	360,419	371,442	2.2	2.3	2.3
excluding South Africa	123,592	156,541	156,270	156,508	158,550	166,476	175,238	182,475	189,452	194,974	200,894	1.9	3.3	2.8
excl. S. Africa & Nigeria	100,576	130,477	129,427	129,065	131,085	138,337	145,894	152,346	158,767	163,983	168,718	2.5	3.0	2.8
Angola	4,929	6,230	5,910	4,506	4,569	5,040	5,541	5,887	6,295	6,509	6,647	..	4.5	0.7
Benin	1,253	1,709	1,778	1,840	1,921	2,009	2,121	2,242	2,345	2,455	2,598	3.8	1.5	4.6
Botswana	1,521	4,285	4,413	4,501	4,662	4,899	5,239	5,449	5,777	6,120	6,330	11.5	10.6	4.8
Burkina Faso	1,258	1,917	1,965	2,060	2,089	2,184	2,347	2,460	2,617	2,782	2,842	3.6	4.4	4.7
Burundi	728	1,182	1,190	1,122	1,079	1,000	917	920	964	955	946	3.8	5.1	-2.2
Cameroon	6,319	8,431	8,170	7,909	7,711	7,965	8,364	8,790	9,233	9,639	10,044	8.5	-0.1	1.0
Cape Verde	171	386	399	427	456	491	510	538	578	627	670	13.8	4.5	5.6
Central African Republic	964	1,063	994	998	1,047	1,122	1,077	1,134	1,187	1,228	1,258	0.4	0.7	1.6
Chad	788	1,423	1,537	1,296	1,427	1,438	1,473	1,536	1,649	1,665	1,676	-1.3	5.4	2.1
Comoros	167	211	229	236	223	215	214	215	218	222	220	..	1.3	0.0
Congo, Democratic Rep. of	7,531	7,530	6,739	5,831	5,604	5,643	5,592	5,274	5,432	..	..	-0.3	1.7	-5.6
Congo, Republic of	1,536	2,515	2,580	2,554	2,414	2,510	2,402	2,345	2,431	2,353	2,539	9.2	-1.0	-0.3
Côte d'Ivoire	8,566	9,201	9,179	9,162	9,343	9,992	10,681	11,322	11,978	12,170	11,890	2.2	2.0	3.1
Djibouti	..	547	546	524	509	498	481	478	481	491	495	..	..	-1.4
Equatorial Guinea	..	116	128	137	144	164	212	363	442	625	731	..	1.4	19.7
Eritrea	..	..	521	508	558	574	612	661	686	692	635	..	..	3.9
Ethiopia	..	4,893	4,642	5,262	5,446	5,779	6,393	6,725	6,647	7,067	7,451	..	2.9	4.2
Gabon	3,565	4,524	4,377	4,481	4,635	4,958	5,213	5,514	5,628	5,279	5,385	-0.2	-1.4	2.9
Gambia, The	241	355	367	378	379	382	390	410	430	457	483	4.3	3.3	3.1
Ghana	4,231	5,513	5,726	6,004	6,209	6,457	6,755	7,038	7,369	7,694	7,978	-1.1	5.2	4.3
Guinea	..	3,101	3,190	3,325	3,536	3,692	3,862	4,048	4,234	4,386	4,474	..	4.7	4.2
Guinea-Bissau	134	228	231	236	243	254	283	302	217	234	251	2.1	3.1	1.6
Kenya	5,612	8,481	8,413	8,443	8,665	9,047	9,422	9,617	9,773	9,900	9,876	4.7	5.9	2.1
Lesotho	500	799	835	864	894	933	1,026	1,109	1,058	1,081	1,122	5.2	5.3	4.2
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	3,048	3,009	3,045	3,109	3,108	3,160	3,228	3,347	3,479	3,641	3,815	-0.2	2.3	1.8
Malawi	992	1,341	1,243	1,363	1,224	1,429	1,533	1,591	1,644	1,710	1,739	3.2	1.9	3.7
Mali	2,013	2,170	2,351	2,301	2,322	2,466	2,546	2,718	2,811	2,983	3,119	2.3	0.8	3.5
Mauritania	753	910	925	976	1,021	1,068	1,127	1,163	1,206	1,255	1,321	1.6	3.3	3.9
Mauritius	1,741	3,256	3,459	3,647	3,795	3,973	4,199	4,449	4,709	4,863	5,253	3.6	7.7	5.3
Mozambique	1,938	2,063	1,896	2,061	2,216	2,311	2,475	2,748	3,095	3,327	3,380	..	6.0	5.8
Namibia	2,442	2,977	3,185	3,135	3,365	3,503	3,615	3,778	3,905	4,072	4,230	..	2.5	4.2
Niger	1,833	1,858	1,737	1,762	1,833	1,881	1,945	1,999	2,207	2,194	2,197	2.0	4.2	2.1
Nigeria	22,357	26,046	26,806	27,396	27,423	28,109	29,318	30,109	30,675	31,012	32,184	-0.7	5.0	2.7
Rwanda	1,660	1,978	2,094	1,921	957	1,286	1,489	1,680	1,839	1,948	2,057	6.8	2.9	-0.9
São Tomé and Príncipe	..	43	43	44	45	45	46	47	48	49	50	..	1.8	1.7
Senegal	3,057	4,133	4,225	4,131	4,253	4,476	4,704	4,948	5,230	5,498	5,806	2.1	3.5	3.4
Seychelles	314	453	485	515	511	508	532	560	579	562	569	3.6	5.2	3.0
Sierra Leone	1,013	1,115	1,007	1,008	1,076	962	978	812	835	740	792	2.3	1.8	-4.1
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	127,410	143,288	140,226	141,956	146,547	151,113	157,387	161,314	162,422	165,467	170,568	2.4	1.4	1.7
Sudan	4,271	5,049	5,298	5,525	5,748	7,194	7,482	8,208	8,709	9,161	9,922	2.6	0.9	7.6
Swaziland	608	1,166	1,181	1,216	1,258	1,304	1,354	1,406	1,454	1,504	1,543	3.2	9.7	3.4
Tanzania	..	4,908	4,936	4,996	5,074	5,255	5,495	5,688	5,899	6,109	6,419	..	..	3.0
Togo	1,175	1,295	1,244	1,056	1,214	1,309	1,425	1,486	1,454	1,489	1,479	2.1	3.4	1.8
Uganda	..	4,330	4,478	4,851	5,161	5,756	6,278	6,576	6,944	7,466	7,728	..	3.4	6.9
Zambia	3,351	3,715	3,650	3,898	3,559	3,471	3,699	3,821	3,750	3,826	3,959	0.2	2.3	0.4
Zimbabwe	4,358	7,076	6,438	6,505	7,106	7,117	7,855	8,065	8,298	8,240	7,838	3.0	4.2	2.5
NORTH AFRICA	106,378	161,064	164,327	165,142	171,630	174,245	185,670	190,423	201,380	209,482	216,741	6.0	3.0	3.2
Algeria	31,384	40,738	41,471	40,601	40,235	41,764	43,476	43,955	46,196	47,675	48,819	5.5	0.8	1.6
Egypt, Arab Republic	29,896	51,464	53,746	55,295	57,478	60,159	63,173	66,643	70,361	74,599	78,422	8.3	4.1	4.5
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	21,590	33,680	32,322	31,995	35,309	32,986	37,016	36,191	38,969	38,984	39,324	4.1	4.7	2.4
Tunisia	10,475	15,448	16,653	17,018	17,579	17,987	19,256	20,304	21,269	22,559	23,623	5.3	2.4	4.8
ALL AFRICA	360,240	462,173	461,682	464,505	477,456	492,904	519,160	535,196	553,819	570,152	588,385	3.3	2.5	2.6

Note: 2000 data are preliminary (see page 2).

## 2-2. Value added in agriculture

	Millions of U.S. dollars, constant 1995 prices											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	42,675	52,899	50,534	52,663	53,456	54,451	58,795	60,607	61,621	64,005	66,663	0.7	4.2	2.6
excluding South Africa	37,115	45,890	45,537	46,382	46,653	49,102	52,091	53,808	55,363	57,540	59,952	0.7	3.6	2.9
excl S Africa & Nigeria	..	37,998	37,453	38,194	38,248	40,406	43,063	44,387	45,548	47,189	49,038	..	3.0	2.8
Angola	..	712	517	276	303	369	423	466	490	496	543	..	0.5	-2.8
Benin	361	581	601	617	673	684	755	798	850	884	941	3.0	4.6	5.6
Botswana	159	208	209	206	201	195	195	203	210	219	232	-3.8	13.2	0.8
Burkina Faso	457	716	724	734	732	783	850	837	927	962	925	1.0	4.6	4.1
Burundi	358	505	520	499	448	421	427	429	452	438	455	2.0	4.1	-1.3
Cameroon	2,131	2,594	2,749	2,782	2,868	3,119	3,350	3,603	3,847	4,109	4,387	4.5	0.6	4.9
Cape Verde	31	65	60	65	63	67	92	88	90	101	94	12.7	22.8	3.8
Central African Republic	388	443	447	459	464	491	512	546	568	595	623	0.6	1.1	3.6
Chad	319	451	520	406	515	505	519	546	604	585	565	-1.0	5.1	4.2
Comoros	58	86	86	88	84	83	83	83	83	82	82	..	3.7	-0.4
Congo, Democratic Rep. of	2,076	2,744	2,830	2,883	2,859	3,191	3,258	3,225	3,283	..	..	1.7	2.5	2.8
Congo, Republic of	159	205	219	200	207	221	232	234	238	223	241	3.4	4.8	1.0
Côte d'Ivoire	2,365	2,587	2,627	2,629	2,639	2,880	2,930	3,141	3,314	3,257	3,690	2.7	3.0	3.5
Djibouti	..	15	14	15	14	15	15	15	16	16	17	..	..	0.6
Equatorial Guinea	..	66	64	64	73	83	95	115	102	112	122	..	0.1	6.4
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	2,733	2,658	2,819	2,716	2,809	3,221	3,331	2,972	3,086	3,152	..	3.4	2.3
Gabon	431	464	461	455	448	398	397	417	395	413	428	..	0.8	-1.4
Gambia, The	95	98	96	91	97	99	96	103	106	124	131	3.0	-2.4	2.2
Ghana	2,143	2,345	2,316	2,370	2,415	2,504	2,634	2,748	2,888	3,000	3,063	0.2	2.3	3.1
Guinea	..	643	667	700	735	761	795	835	879	927	903	..	3.1	4.2
Guinea-Bissau	59	109	110	117	123	132	152	165	132	142	147	-2.6	3.4	4.0
Kenya	1,660	2,360	2,281	2,207	2,275	2,384	2,490	2,520	2,560	2,593	2,534	4.1	4.4	1.2
Lesotho	136	145	142	156	152	145	170	171	176	184	181	-4.5	4.6	1.3
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	729	905	920	950	946	963	987	1,003	987	1,021	1,029	0.2	2.8	1.4
Malawi	296	383	287	439	310	400	516	542	567	606	649	2.2	1.2	6.9
Mali	823	940	1,083	991	1,057	1,082	1,117	1,168	1,175	1,287	1,358	3.2	8.9	2.8
Mauritania	160	203	208	235	246	251	251	264	281	306	315	2.9	4.5	4.6
Mauritius	230	338	360	336	311	337	351	367	360	259	332	-2.5	1.3	-0.4
Mozambique	..	740	605	734	686	805	892	969	1,040	1,106	1,122	..	7.3	4.7
Namibia	234	346	314	334	386	376	410	384	407	454	478	..	3.4	4.5
Niger	577	728	673	678	747	756	757	777	941	894	852	1.1	5.4	3.0
Nigeria	6,432	8,022	8,187	8,298	8,498	8,809	9,169	9,556	9,942	10,457	11,002	-3.0	6.4	3.4
Rwanda	908	1,003	1,055	897	529	568	658	681	755	819	882	5.6	1.1	-2.6
São Tomé and Príncipe	..	11	11	12	12	12	13	13	14	14	15	..	3.5	3.8
Senegal	652	817	831	788	861	881	934	911	882	935	1,043	-1.2	4.5	1.9
Seychelles	28	26	22	20	22	21	21	22	22	22	23	-2.8	-2.5	-1.1
Sierra Leone	317	393	333	336	359	363	442	381	381	359	371	7.9	0.9	-0.5
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	5,448	6,836	4,973	6,166	6,651	5,326	6,603	6,703	6,214	6,425	6,672	0.2	7.6	0.0
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	164	210	180	165	167	165	191	198	200	212	213	-1.5	3.4	0.5
Tanzania	..	2,034	2,059	2,123	2,167	2,294	2,383	2,441	2,488	2,591	2,679	..	..	3.3
Togo	285	437	442	469	468	494	575	601	584	615	587	2.8	4.3	3.8
Uganda	..	2,235	2,213	2,419	2,462	2,607	2,718	2,748	2,800	2,994	3,115	..	2.7	3.7
Zambia	346	463	310	521	423	564	560	531	538	575	585	0.5	5.6	3.1
Zimbabwe	684	990	760	966	1,037	958	1,148	1,185	1,245	1,299	1,338	-0.1	1.2	4.1
NORTH AFRICA	16,087	24,816	21,879	21,536	24,702	21,322	27,210	24,563	27,295	26,752	25,710	2.0	5.3	1.9
Algeria	2,484	3,783	3,957	3,811	3,468	3,986	4,939	4,275	4,762	4,891	4,646	3.7	6.4	3.4
Egypt, Arab Republic	6,302	8,465	8,631	8,846	9,185	9,451	9,742	10,076	10,452	10,839	11,209	2.8	2.7	3.1
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	5,032	8,862	5,588	5,328	8,599	4,820	8,580	6,309	8,071	6,726	5,639	0.4	10.0	-1.1
Tunisia	1,504	2,524	2,661	2,527	2,275	2,049	2,655	2,734	2,710	3,023	2,993	1.2	-1.2	3.4
ALL AFRICA	58,708	77,810	72,465	74,227	78,246	75,782	86,104	85,197	88,992	90,736	92,215	1.1	4.5	2.3

Note: 2000 data are preliminary (see page 2).

## 2-3. Value added in industry

	Millions of U.S. dollars, constant 1995 prices											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	82,912	92,343	91,083	89,607	91,155	94,109	97,288	101,022	102,233	103,209	106,282	2.2	1.7	1.3
excluding South Africa	39,115	46,172	45,945	44,394	44,790	46,014	48,542	51,071	52,834	54,069	56,048	1.7	3.0	2.0
excl. S Africa & Nigeria	24,537	32,971	32,692	31,217	32,008	33,081	35,040	37,178	39,244	40,895	41,941	..	3.5	2.3
Angola	..	3,425	3,496	2,670	3,053	3,339	3,638	3,836	4,238	4,514	4,600	..	8.1	3.0
Benin	134	248	269	272	285	293	316	328	329	336	365	5.4	-1.9	4.3
Botswana	749	2,140	2,120	2,108	2,149	2,234	2,385	2,480	2,542	2,593	2,684	15.9	8.3	2.8
Burkina Faso	246	325	341	335	342	414	429	467	473	522	544	1.6	4.8	5.3
Burundi	142	251	259	217	203	168	146	145	147	158	164	8.9	3.7	-4.9
Cameroon	1,478	2,590	2,321	2,221	1,901	1,855	1,939	2,088	2,248	2,389	2,572	18.2	0.7	-1.7
Cape Verde	28	76	79	85	88	96	99	96	105	112	125	6.3	17.1	4.8
Central African Republic	189	198	188	190	215	224	199	191	198	211	224	1.4	0.6	0.6
Chad	88	209	206	181	172	206	201	223	263	256	257	-2.0	2.5	1.6
Comoros	25	19	28	31	30	27	27	27	27	27	..	..	-9.0	3.7
Congo, Democratic Rep. of	2,464	1,810	1,268	1,084	1,062	952	952	910	..	..	..	-2.0	0.3	-13.3
Congo, Republic of	483	870	894	929	901	949	965	1,006	1,056	1,070	1,117	11.5	-0.3	2.5
Côte d'Ivoire	1,406	1,821	1,878	1,891	1,909	1,999	2,252	2,520	2,782	2,857	2,537	6.5	6.5	4.3
Djibouti	..	91	100	95	87	67	64	63	61	62	62	..	..	-5.3
Equatorial Guinea	..	17	29	35	35	44	84	236	337	543	652	..	6.4	46.9
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	433	402	516	552	597	629	674	689	767	791	..	-0.1	4.8
Gabon	1,859	2,215	2,173	2,264	2,469	2,597	2,655	2,679	2,714	2,752	2,797	..	-1.7	2.7
Gambia, The	31	46	47	48	46	44	46	46	48	50	53	3.1	10.6	1.2
Ghana	1,356	1,563	1,661	1,456	1,508	1,568	1,642	1,747	1,803	1,891	1,962	-7.5	9.1	2.6
Guinea	..	998	1,010	1,081	1,102	1,169	1,271	1,328	1,376	1,449	1,512	..	3.1	4.4
Guinea-Bissau	18	26	26	28	28	29	30	31	19	19	20	3.2	-3.5	-2.1
Kenya	769	1,161	1,160	1,162	1,184	1,226	1,268	1,294	1,312	1,325	1,308	4.7	5.2	1.8
Lesotho	139	268	291	281	295	319	348	404	356	380	433	14.5	7.5	6.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	455	391	387	400	396	402	410	429	452	471	498	-2.9	2.8	2.1
Malawi	185	260	266	246	252	259	261	271	280	292	296	2.7	3.7	1.8
Mali	217	365	383	398	382	408	435	532	569	578	622	1.6	1.4	6.6
Mauritania	169	236	234	281	288	298	302	287	286	284	303	0.6	3.7	2.2
Mauritius	361	932	997	1,052	1,106	1,154	1,222	1,282	1,366	1,417	1,533	3.6	13.0	5.6
Mozambique	..	368	347	340	361	410	467	635	925	1,070	1,106	..	-4.5	11.8
Namibia	776	753	865	777	847	866	822	875	921	932	987	..	2.2	2.5
Niger	368	328	310	315	317	325	346	358	368	376	387	10.4	-4.1	1.8
Nigeria	13,605	13,265	13,309	13,210	12,845	13,009	13,591	14,005	13,770	13,419	14,324	0.0	2.1	1.4
Rwanda	267	254	291	255	128	212	246	302	336	347	358	7.4	0.3	1.5
São Tomé and Príncipe	..	8	9	9	9	9	9	9	9	10	10	..	0.9	1.5
Senegal	541	844	887	865	861	961	1,014	1,071	1,162	1,235	1,326	3.7	4.9	4.5
Seychelles	49	85	81	91	94	115	126	153	156	159	163	2.0	3.4	9.5
Sierra Leone	244	237	243	239	243	193	235	198	182	156	142	-3.1	2.2	-5.4
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	43,794	46,143	45,127	45,169	46,305	48,025	48,713	49,942	49,458	49,242	50,359	2.6	0.7	0.7
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	138	386	402	415	434	457	469	493	515	528	535	4.4	22.1	4.2
Tanzania	..	736	736	708	719	705	753	803	886	933	1,001	..	..	3.1
Togo	277	292	270	190	241	290	306	313	316	315	338	1.5	6.2	2.1
Uganda	..	472	512	555	627	754	879	979	1,092	1,194	1,271	..	6.4	11.9
Zambia	1,233	1,401	1,535	1,413	1,274	1,096	1,102	1,181	1,053	1,000	1,046	-0.4	2.7	-3.5
Zimbabwe	1,354	1,908	1,795	1,675	1,958	1,829	2,017	2,032	2,009	1,941	1,751	-1.0	5.4	0.5
NORTH AFRICA	42,050	60,440	61,297	61,314	61,744	64,256	66,620	70,050	73,531	76,421	81,765	6.2	1.2	3.4
Algeria	15,236	19,416	19,324	19,041	18,601	19,139	19,723	20,454	21,361	22,332	23,298	5.0	0.9	1.6
Egypt, Arab Republic	9,620	16,617	16,886	17,145	17,384	18,195	18,886	20,053	21,479	22,263	25,090	11.0	0.1	5.3
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	7,171	9,884	10,119	10,016	10,416	10,882	11,406	12,038	12,312	12,653	12,973	3.4	3.1	3.2
Tunisia	2,945	4,348	4,650	4,791	4,949	5,224	5,390	5,713	6,001	6,310	6,640	7.1	2.6	4.5
ALL AFRICA	125,713	152,614	152,048	150,494	152,526	157,931	163,440	170,500	174,941	178,596	186,697	3.5	1.6	2.1

Note: 2000 data are preliminary (see page 2).

## 2-4. Value added in services

	Millions of U.S. dollars, constant 1995 prices											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	108,014	139,942	139,846	140,498	143,815	150,090	156,580	161,053	165,829	170,860	175,885	3.1	2.5	2.4
excluding South Africa	45,930	61,073	61,095	61,168	62,165	64,779	67,570	69,824	72,569	74,461	76,004	3.0	3.2	2.5
excl. S. Africa & Nigeria	42,487	55,980	55,608	55,349	56,327	58,817	61,342	63,386	66,036	67,900	69,485	3.1	2.8	2.4
Angola	..	1,970	1,823	1,505	1,218	1,332	1,475	1,573	1,579	1,533	1,538	..	1.7	-2.3
Benin	783	881	907	953	958	1,033	1,040	1,107	1,156	1,227	1,279	3.8	0.4	4.0
Botswana	609	1,931	2,081	2,184	2,312	2,469	2,660	2,766	3,028	3,314	3,420	10.8	13.8	7.2
Burkina Faso	490	829	859	967	1,010	937	1,010	1,099	1,123	1,200	1,285	8.9	4.0	4.6
Burundi	166	310	315	308	298	285	252	253	259	267	276	6.2	4.1	-1.4
Cameroon	2,365	2,780	2,473	2,332	2,637	2,793	2,714	2,689	2,669	2,663	2,732	8.6	-1.4	-0.5
Cape Verde	114	248	261	279	306	328	326	358	386	419	451	10.5	8.2	6.3
Central African Republic	363	366	304	292	314	347	301	324	344	342	330	0.3	1.0	-1.3
Chad	391	723	764	662	712	696	707	718	739	778	806	-0.7	6.3	1.0
Comoros	85	105	115	117	109	104	104	105	108	114	..	..	2.0	-0.5
Congo, Democratic Rep. of	3,286	3,127	2,699	1,897	1,715	1,501	1,381	1,134	..	..	..	-0.5	2.1	-14.6
Congo, Republic of	912	1,477	1,500	1,454	1,312	1,340	1,174	1,048	1,077	992	1,118	9.3	-2.7	-3.4
Côte d'Ivoire	4,859	4,815	4,675	4,639	4,807	5,113	5,531	5,670	5,883	6,085	5,567	1.0	-0.2	2.2
Djibouti	..	369	371	354	344	355	332	337	349	355	360	..	..	-0.5
Equatorial Guinea	..	26	30	32	32	34	38	43	52	59	65	..	6.5	9.7
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	1,478	1,416	1,663	1,794	1,962	2,098	2,246	2,483	2,672	2,925	..	4.1	6.2
Gabon	1,326	1,848	1,756	1,778	1,755	1,963	2,137	2,362	2,447	2,108	2,153	..	-1.7	3.9
Gambia, The	119	160	171	190	186	188	197	212	221	231	243	4.7	1.9	4.3
Ghana	1,015	1,775	1,929	2,184	2,288	2,385	2,482	2,569	2,691	2,819	2,963	0.1	7.8	5.9
Guinea	..	1,380	1,409	1,436	1,561	1,604	1,656	1,713	1,800	1,835	1,909	..	5.3	3.5
Guinea-Bissau	47	77	79	76	77	78	87	91	62	67	75	10.0	4.7	0.1
Kenya	2,112	3,531	3,635	3,714	3,842	4,046	4,256	4,387	4,475	4,548	4,593	5.9	5.6	3.3
Lesotho	187	284	295	315	332	348	371	394	399	400	399	7.1	4.5	4.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	1,605	1,489	1,506	1,539	1,547	1,571	1,604	1,684	1,794	1,845	2,005	0.1	1.8	2.2
Malawi	411	585	570	574	541	657	676	697	730	745	715	3.1	3.3	3.4
Mali	552	657	677	699	695	695	754	770	806	842	864	1.6	0.0	2.6
Mauritania	353	367	378	384	398	402	437	487	512	538	572	2.1	3.6	4.6
Mauritius	880	1,545	1,644	1,755	1,887	2,000	2,128	2,265	2,412	2,555	2,722	5.4	7.4	6.4
Mozambique	..	794	769	774	990	907	929	920	875	843	820	..	10.0	2.4
Namibia	1,132	1,553	1,657	1,664	1,751	1,838	1,928	2,017	2,064	2,152	2,225	..	2.6	4.5
Niger	888	803	754	769	769	800	842	864	898	924	957	-0.1	7.6	1.4
Nigeria	3,488	5,222	5,580	5,884	5,910	6,049	6,317	6,530	6,645	6,691	6,671	1.5	7.6	3.4
Rwanda	334	632	643	659	278	434	478	537	578	613	634	11.2	6.7	-0.7
São Tomé and Príncipe	..	24	23	23	24	25	24	24	25	25	26	..	1.4	0.7
Senegal	1,850	2,467	2,504	2,476	2,525	2,634	2,756	2,967	3,192	3,335	3,448	3.1	2.8	3.5
Seychelles	241	344	382	403	395	372	384	386	401	381	383	-1.1	6.1	1.4
Sierra Leone	482	412	368	364	405	342	200	177	204	158	185	2.5	-3.3	-9.8
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	61,526	78,259	78,147	78,705	80,975	84,598	88,266	90,490	92,563	95,652	99,049	3.2	2.0	2.4
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	195	367	379	400	410	426	436	448	463	482	503	6.4	2.8	3.7
Tanzania	..	1,773	1,834	1,810	1,816	1,866	1,934	1,994	2,077	2,189	2,315	..	..	2.7
Togo	619	568	533	396	506	524	543	571	553	557	551	2.0	1.5	-0.1
Uganda	..	1,367	1,467	1,571	1,693	1,917	2,082	2,200	2,345	2,514	2,647	..	3.2	7.9
Zambia	1,596	1,561	1,491	1,599	1,429	1,396	1,606	1,670	1,741	1,857	1,968	0.1	3.0	2.0
Zimbabwe	2,077	3,169	3,183	3,203	3,304	3,503	3,779	3,831	3,941	4,019	3,875	5.4	3.7	3.3
<b>NORTH AFRICA</b>	43,389	70,831	73,909	74,875	78,126	80,857	84,239	87,573	92,228	97,209	99,772	7.5	4.2	3.5
Algeria	10,209	13,788	14,309	14,027	14,443	14,848	15,060	15,394	16,049	16,316	16,586	6.2	0.8	1.7
Egypt, Arab Republic	12,243	24,498	25,010	25,798	27,251	28,682	30,473	32,094	33,819	36,609	37,012	11.0	6.8	4.1
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	9,925	15,856	16,776	16,753	17,075	17,285	17,801	18,147	19,173	19,864	20,681	5.9	4.0	3.0
Tunisia	6,006	8,516	9,287	9,659	10,344	10,714	11,186	11,834	12,547	13,206	13,981	5.7	3.2	5.3
<b>ALL AFRICA</b>	152,188	211,389	214,210	215,799	222,301	231,357	241,253	249,025	258,372	268,292	275,900	4.3	3.0	2.8

Note: 2000 data are preliminary (see page 2).

## 2-5. Gross domestic product, nominal

	Millions of U.S. dollars, current prices											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	261,716	302,960	304,455	287,593	280,188	317,680	332,332	343,595	321,429	319,379	322,711	202,395	240,908	311,783
excluding South Africa	181,952	183,041	174,067	157,208	144,290	166,476	188,628	195,357	188,691	189,479	197,418	142,188	162,072	179,125
excl. S.Africa & Nigeria	116,779	155,786	141,260	135,927	120,614	138,337	153,228	159,029	156,507	154,518	155,861	100,112	138,358	148,033
Angola	0	12,194	5,779	5,286	4,060	5,040	7,526	7,690	6,449	6,198	8,828	0	7,560	7,210
Benin	1,405	1,878	1,624	2,106	1,497	2,009	2,208	2,053	2,269	2,330	2,168	1,035	1,413	1,999
Botswana	1,130	3,920	4,147	4,177	4,404	4,899	4,910	5,054	4,932	5,053	5,285	865	2,110	4,595
Burkina Faso	1,709	2,788	1,996	2,142	1,753	2,184	2,477	2,287	2,485	2,466	2,192	1,311	2,038	2,322
Burundi	920	1,167	1,083	939	925	1,000	900	957	878	714	679	778	1,136	943
Cameroon	6,741	12,434	11,396	11,891	7,854	7,965	9,109	9,115	8,703	9,186	8,879	5,630	10,942	9,790
Cape Verde	107	351	394	363	411	491	502	506	540	588	558	86	233	458
Central African Republic	797	1,404	1,434	1,299	853	1,122	1,070	1,003	1,047	1,051	963	619	1,150	1,158
Chad	1,033	1,877	1,882	1,463	1,179	1,438	1,605	1,508	1,693	1,564	1,407	928	1,236	1,578
Comoros	124	247	266	264	186	215	213	194	216	225	202	113	176	225
Congo, Democratic Rep. of	14,391	9,086	8,206	8,975	5,817	5,643	5,869	5,794	5,584	..	..	12,212	8,165	7,147
Congo, Republic of	1,706	2,725	2,933	1,919	1,769	2,510	2,541	2,323	1,950	2,354	3,215	1,452	2,182	2,458
Côte d'Ivoire	10,175	10,493	11,153	10,405	7,666	9,992	10,846	10,681	11,481	11,098	9,370	7,172	9,247	10,362
Djibouti	..	456	470	471	487	498	494	503	514	536	553	..	380	491
Equatorial Guinea	..	131	154	152	126	164	259	498	456	872	1,558	104	107	409
Eritrea	..	..	437	409	510	574	631	655	681	649	608	..	..	573
Ethiopia	..	5,321	5,568	6,249	4,894	5,779	6,010	6,383	6,516	6,482	6,391	5,603	7,356	6,040
Gabon	4,279	5,403	5,592	4,381	4,191	4,958	5,741	5,428	4,619	4,352	4,932	3,211	3,609	5,050
Gambia, The	241	317	347	366	363	382	392	410	417	432	434	181	236	380
Ghana	4,445	6,600	6,413	5,966	5,441	6,457	6,926	6,884	7,474	7,774	5,102	3,762	5,150	6,447
Guinea	..	3,015	3,285	3,279	3,434	3,692	3,867	3,783	3,589	3,431	3,077	..	2,230	3,388
Guinea-Bissau	111	257	226	237	236	254	271	269	206	224	215	131	165	240
Kenya	7,265	8,043	8,002	4,977	7,148	9,047	9,257	10,612	11,444	10,527	10,357	5,535	7,641	8,904
Lesotho	432	675	822	815	835	933	943	1,024	890	911	899	328	414	851
Liberia	1,117	..	..	..	..	..	..	..	..	..	..	987	1,143	..
Madagascar	4,042	2,677	3,001	3,371	2,977	3,160	3,995	3,546	3,739	3,721	4,020	3,057	2,724	3,390
Malawi	1,238	2,204	1,800	2,071	1,182	1,429	2,432	2,534	1,737	1,810	1,697	1,018	1,294	1,889
Mali	1,787	2,423	2,846	2,678	1,763	2,466	2,619	2,475	2,597	2,570	2,298	1,285	1,776	2,469
Mauritania	709	1,130	1,191	944	1,027	1,068	1,116	1,096	1,002	958	935	645	867	1,044
Mauritius	1,132	2,831	3,189	3,195	3,503	3,973	4,301	4,104	4,077	4,228	4,381	990	1,747	3,675
Mozambique	3,526	2,447	1,854	1,981	2,178	2,311	2,841	3,397	3,873	3,985	3,813	3,457	3,293	2,831
Namibia	2,309	2,687	3,050	2,847	3,253	3,503	3,492	3,645	3,411	3,475	3,479	2,046	1,971	3,216
Niger	2,509	2,328	2,345	1,607	1,563	1,881	1,988	1,846	2,077	2,018	1,826	1,725	2,008	1,996
Nigeria	64,202	27,313	32,710	21,353	23,663	28,109	35,299	36,229	32,144	34,776	41,085	42,093	23,750	31,014
Rwanda	1,163	1,912	2,047	1,956	754	1,286	1,406	1,865	2,024	1,935	1,794	1,091	2,123	1,778
São Tomé and Príncipe	47	57	46	48	50	45	45	44	41	47	47	41	53	48
Senegal	2,987	5,500	6,027	5,431	3,642	4,476	4,651	4,387	4,646	4,752	4,371	2,364	4,110	4,871
Seychelles	147	375	434	469	483	508	548	588	604	612	622	112	244	510
Sierra Leone	1,166	807	691	768	919	962	905	919	669	703	606	1,030	1,081	804
Somalia	604	..	..	..	..	..	..	..	..	..	..	677	989	917
South Africa	80,544	120,243	130,533	130,406	135,778	151,113	143,840	148,383	132,968	130,220	125,887	61,201	79,315	132,852
Sudan	7,617	11,410	6,402	7,895	8,170	7,194	8,231	10,601	10,339	10,025	11,516	7,964	15,971	9,541
Swaziland	582	890	971	1,016	1,104	1,304	1,288	1,386	1,321	1,337	1,355	431	537	1,165
Tanzania	..	4,957	4,601	4,258	4,511	5,255	6,496	7,684	8,591	8,465	9,027	5,569	4,561	6,191
Togo	1,136	1,602	1,693	1,234	983	1,309	1,465	1,499	1,416	1,421	1,219	813	1,161	1,406
Uganda	1,245	3,322	2,858	3,220	3,997	5,756	6,049	6,298	6,777	6,407	6,170	4,108	5,097	5,014
Zambia	3,884	3,377	3,183	3,274	3,347	3,471	3,271	3,911	3,238	3,104	2,911	3,159	2,781	3,307
Zimbabwe	6,679	8,641	6,751	6,564	6,891	7,117	8,624	8,584	6,338	5,492	7,392	5,993	6,939	7,380
NORTH AFRICA	124,981	140,855	152,490	157,899	160,024	174,245	194,559	200,333	211,662	220,001	233,503	97,433	144,944	182,624
Algeria	42,345	45,715	48,003	49,946	42,543	41,764	46,845	47,869	47,357	47,592	53,306	34,827	60,619	48,453
Egypt, Arab Republic	22,912	36,971	41,856	47,197	51,898	60,159	67,651	75,605	82,704	89,207	98,782	20,312	37,154	63,196
Libya	35,545	..	..	..	..	..	..	..	..	..	..	24,534	22,902	..
Morocco	18,821	27,837	28,451	26,801	30,351	32,986	36,639	33,415	35,819	35,277	33,344	13,499	18,731	31,522
Tunisia	8,743	13,075	15,497	14,609	15,626	17,987	19,587	18,900	19,850	20,970	19,462	6,901	9,465	17,078
ALL AFRICA	587,081	446,649	458,979	446,366	440,596	492,904	526,989	544,090	531,412	537,080	553,159	299,933	387,052	494,520

Note: 2000 data are preliminary (see page 2).

## 2-6. Total consumption

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	76.7	83.9	87.1	86.0	83.6	84.1	81.4	83.7	85.4	84.9	81.2	79.8	80.9	83.9
excluding South Africa	80.9	84.9	89.9	89.2	84.8	87.1	81.3	84.7	87.5	87.1	81.3	82.4	83.1	85.5
excl. S.Africa & Nigeria	88.9	87.8	93.1	91.1	86.0	88.2	85.1	86.8	89.0	88.4	85.5	84.8	83.5	87.8
Angola	..	83.8	98.3	90.1	73.9	99.3	60.1	75.3	93.6	70.6	55.8	..	76.0	79.2
Benin	106.3	98.1	100.0	98.9	94.0	93.3	96.6	94.1	93.2	95.1	93.9	101.7	102.3	95.9
Botswana	65.6	62.3	64.8	63.9	61.1	59.4	56.6	68.2	78.2	85.8	81.9	69.8	50.8	67.7
Burkina Faso	105.8	93.9	93.0	94.4	92.1	90.8	90.7	88.7	87.0	90.8	91.3	101.7	97.6	91.4
Burundi	100.6	104.2	105.1	104.7	107.6	104.8	97.5	96.1	102.9	100.5	105.7	95.9	96.7	103.1
Cameroon	78.3	78.0	83.5	82.4	82.1	80.5	82.7	80.9	80.1	81.6	79.7	76.9	77.1	81.0
Cape Verde	124.0	104.2	103.5	96.3	97.2	97.6	108.0	108.4	115.3	117.5	114.5	119.8	102.9	106.4
Central African Republic	108.9	97.4	100.4	98.2	94.0	93.8	99.4	95.6	94.7	89.0	92.3	101.6	99.2	96.0
Chad	..	105.9	106.3	106.2	101.5	101.7	96.7	97.7	95.9	102.2	98.5	97.6	111.1	101.1
Comoros	110.1	97.9	101.6	97.1	105.9	109.2	111.4	112.1	98.5	100.0	..	106.5	102.5	103.7
Congo, Democratic Rep. of	89.9	98.2	93.9	96.0	89.4	85.9	86.6	91.0	..	..	..	89.5	86.7	91.5
Congo, Republic of	64.3	81.4	75.6	76.4	73.4	57.5	53.1	61.3	75.4	53.9	39.3	73.9	76.8	65.8
Côte d'Ivoire	79.6	89.6	89.3	90.6	77.6	81.1	76.8	77.7	77.3	77.2	81.3	75.7	81.6	82.5
Djibouti	..	..	..	..	..	108.3	106.9	105.7	100.8	105.5	105.3	..	..	105.4
Equatorial Guinea	..	79.0	110.0	113.7	74.9	72.7	69.3	56.9	80.1	35.1	26.0	92.4	133.3	76.1
Eritrea	..	..	131.3	124.6	135.4	138.6	131.0	117.3	140.4	142.9	127.0	..	..	132.0
Ethiopia	..	97.3	97.0	94.4	94.6	92.0	93.0	92.1	92.3	98.8	101.1	93.6	92.8	95.0
Gabon	39.4	59.5	65.3	63.3	54.7	52.7	49.0	49.0	61.0	65.2	71.7	41.9	67.7	59.5
Gambia, The	94.2	89.4	90.7	96.0	97.2	103.9	94.4	95.5	97.2	96.8	95.9	95.7	92.4	95.1
Ghana	95.1	92.7	98.7	94.0	87.5	88.4	78.8	95.8	89.8	96.3	96.7	93.7	94.5	92.1
Guinea	..	82.0	88.8	88.9	87.9	87.2	88.0	84.6	85.7	82.5	83.4	..	83.6	85.6
Guinea-Bissau	101.0	96.8	96.8	93.0	96.1	101.2	98.2	94.7	108.6	101.1	108.8	103.0	100.1	99.3
Kenya	86.6	81.0	86.3	76.2	80.4	88.7	86.8	92.1	92.6	91.7	96.4	82.6	83.1	87.1
Lesotho	152.0	150.4	134.8	145.5	136.0	138.4	136.2	131.4	133.5	122.4	119.5	164.3	163.0	136.4
Liberia	72.7	..	..	..	..	..	..	..	..	..	..	76.7	83.6	..
Madagascar	101.4	99.3	96.6	97.5	96.6	96.4	93.7	96.3	95.4	95.0	94.0	98.0	94.2	95.9
Malawi	89.2	85.8	99.3	100.9	103.0	100.3	97.0	99.1	93.9	100.6	98.9	84.4	88.2	96.9
Mali	98.9	93.6	95.6	93.6	92.5	92.2	92.8	90.0	88.8	89.9	92.7	99.8	99.9	92.3
Mauritania	103.5	90.3	95.2	95.3	83.1	91.1	93.7	92.1	95.0	92.8	85.0	105.6	89.7	91.7
Mauritius	89.5	75.1	73.9	75.5	76.6	76.7	76.2	75.5	75.2	77.2	77.8	81.5	74.5	76.0
Mozambique	110.6	111.2	117.2	122.4	113.9	101.9	101.8	99.1	92.9	93.4	90.5	110.4	110.2	105.1
Namibia	55.4	88.7	85.5	87.7	80.9	84.5	84.9	89.3	85.0	83.3	83.4	82.2	82.7	84.3
Niger	85.4	97.2	94.2	96.1	100.0	99.8	96.9	96.8	97.3	96.2	97.1	91.6	92.1	97.3
Nigeria	68.6	70.7	76.5	79.8	79.4	81.6	65.1	75.4	80.4	80.9	66.0	78.5	82.3	75.1
Rwanda	95.8	96.7	98.4	100.9	146.8	105.8	104.3	102.8	101.8	102.6	100.5	93.2	94.7	105.0
São Tomé and Príncipe	111.6	121.8	128.1	131.6	117.5	111.4	113.7	116.5	107.0	109.3	110.1	106.6	121.9	119.0
Senegal	105.0	94.1	92.6	94.5	88.1	88.9	87.2	87.7	87.1	88.5	89.2	98.9	96.2	89.9
Seychelles	72.9	81.3	82.4	81.6	77.9	76.5	62.2	79.9	77.6	76.4	78.7	68.1	69.9	77.6
Sierra Leone	97.1	91.9	93.7	97.1	97.5	98.2	107.9	96.5	102.5	100.7	113.5	95.3	94.3	99.2
Somalia	112.9	..	..	..	..	..	..	..	..	..	..	111.4	94.4	112.5
South Africa	68.6	83.1	83.9	82.4	82.1	80.9	81.7	82.9	83.3	82.7	82.0	75.6	78.0	82.5
Sudan	97.9	..	..	..	..	..	..	..	..	..	..	94.2	92.0	..
Swaziland	93.5	91.2	98.6	101.6	97.7	98.2	103.8	98.6	96.7	96.2	95.6	86.4	85.3	96.2
Tanzania	..	97.0	99.7	104.6	98.4	98.1	96.4	95.1	100.7	96.1	90.8	89.0	89.4	97.8
Togo	76.8	91.0	93.5	100.2	88.7	88.8	92.1	99.6	94.5	92.4	93.8	78.6	92.4	92.7
Uganda	..	99.3	99.6	98.9	95.7	92.6	95.4	92.0	94.4	95.3	97.4	97.0	97.0	96.4
Zambia	80.7	91.6	99.7	91.8	92.6	87.8	94.7	90.6	96.1	100.9	96.9	81.1	85.1	93.3
Zimbabwe	86.2	84.2	89.0	79.0	78.2	83.0	81.3	88.9	84.7	84.3	87.7	84.8	81.0	83.9
NORTH AFRICA	59.5	75.5	77.0	80.0	82.0	82.1	80.9	78.7	80.2	78.2	74.9	64.7	78.8	78.8
Algeria	56.9	62.6	67.8	72.3	73.4	71.9	68.6	67.8	72.9	68.6	55.8	61.4	76.2	68.6
Egypt, Arab Republic	84.8	86.8	84.6	86.8	88.6	87.8	89.2	84.5	84.5	83.1	82.7	84.6	84.3	85.7
Libya	43.1	..	..	..	..	..	..	..	..	..	..	53.5	..	..
Morocco	86.3	83.0	83.5	83.5	84.7	85.9	83.8	82.6	81.9	80.4	81.8	87.1	82.0	82.9
Tunisia	76.0	72.9	72.6	78.3	78.5	79.3	76.5	76.0	76.4	75.4	76.1	75.8	78.4	76.1
ALL AFRICA	71.4	81.2	83.8	83.9	83.1	83.4	81.2	82.0	83.6	82.4	78.9	75.3	79.7	82.2

Note: 2000 data are preliminary (see page 2). Since 1994, Nigeria's ratios are distorted because the official exchange rate used by the Government for oil exports and oil value added is significantly over-valued.



## 2-7. General government consumption

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	14.8	18.0	18.9	18.3	17.6	16.4	15.5	16.0	16.1	16.6	17.3	15.4	16.2	17.1
excluding South Africa	15.3	16.9	17.9	16.7	15.0	14.4	12.3	12.9	13.2	14.7	16.7	15.5	15.1	15.2
excl. S Africa & Nigeria	16.9	17.8	17.7	16.6	15.2	15.2	13.4	13.8	14.0	15.0	15.5	15.8	15.6	15.5
Angola	..	45.3	41.9	41.5	40.1	52.6	17.4	28.6	28.5	46.5	39.2	..	31.5	37.8
Benin	8.6	10.8	10.7	10.3	10.1	11.2	10.7	10.7	9.7	10.3	12.0	9.9	14.1	10.7
Botswana	19.6	24.7	26.4	28.5	28.2	28.1	27.4	23.6	26.4	27.7	26.6	20.5	22.3	26.5
Burkina Faso	10.4	14.6	15.8	14.5	18.1	16.9	15.1	14.8	14.9	14.2	15.1	12.8	14.2	15.4
Burundi	9.2	10.8	10.1	13.3	12.7	13.4	12.6	14.5	13.3	16.1	14.7	10.3	9.7	12.9
Cameroon	9.7	13.3	12.8	12.8	10.0	8.6	8.4	8.2	9.2	10.0	10.2	9.7	10.8	10.6
Cape Verde	8.2	15.7	15.7	17.6	18.3	19.8	17.4	16.2	15.0	11.0	10.6	10.0	12.3	15.7
Central African Republic	15.1	16.3	16.9	15.0	17.5	15.2	9.6	10.9	11.6	11.5	11.2	15.0	15.9	13.7
Chad	..	8.9	9.2	10.0	12.7	11.8	8.7	7.9	5.7	6.7	7.8	13.0	13.8	9.1
Comoros	30.9	17.5	15.8	15.1	16.7	17.2	15.2	14.0	10.8	10.6	..	29.7	27.4	14.9
Congo, Democratic Rep. of	8.4	13.3	21.7	15.4	4.4	4.9	5.7	8.5	..	..	..	9.1	9.7	10.7
Congo, Republic of	17.6	21.0	21.1	21.2	16.2	10.9	10.5	22.1	25.0	17.0	11.1	17.3	20.5	17.3
Côte d'Ivoire	16.9	16.4	17.4	16.4	13.0	11.9	11.7	11.0	10.0	10.8	9.9	16.5	16.2	13.2
Djibouti	..	..	..	..	..	32.4	27.7	27.8	23.5	26.4	25.2	..	..	27.2
Equatorial Guinea	..	34.2	29.4	39.3	15.3	16.4	19.8	11.0	21.0	10.3	6.7	28.3	27.4	22.1
Eritrea	..	..	32.9	36.6	43.2	46.7	45.0	32.6	49.0	50.6	..	..	..	42.1
Ethiopia	..	15.5	10.1	10.6	12.5	11.8	11.7	11.4	13.9	18.4	23.3	15.3	16.0	14.3
Gabon	13.2	14.3	15.5	15.3	12.0	14.1	13.6	13.7	16.9	16.6	10.0	14.5	20.9	14.1
Gambia, The	31.2	13.3	13.9	14.1	14.5	13.7	14.9	13.4	12.0	12.4	13.0	36.6	17.7	13.5
Ghana	11.2	9.5	12.1	14.4	13.7	12.1	12.0	13.6	14.6	13.6	15.3	9.9	10.1	12.8
Guinea	..	8.8	7.5	7.1	6.6	6.2	6.4	6.2	6.1	6.0	6.0	..	8.9	6.9
Guinea-Bissau	27.6	10.6	9.0	7.1	7.1	6.4	6.6	7.0	9.3	10.8	13.9	23.6	12.5	8.9
Kenya	19.8	17.0	16.1	16.7	15.2	14.8	16.0	16.2	16.4	17.0	18.0	18.5	18.1	16.6
Lesotho	21.8	15.7	14.8	15.1	16.4	17.9	16.2	16.9	20.8	19.5	18.3	17.7	18.9	16.9
Liberia	16.3	..	..	..	..	..	..	..	..	..	..	15.8	19.0	..
Madagascar	12.1	8.7	8.3	7.9	6.9	6.7	6.1	7.6	7.5	7.9	7.4	11.1	8.9	7.5
Malawi	19.3	12.0	14.1	13.0	31.6	18.6	12.5	12.6	13.3	12.4	16.8	16.4	17.7	15.6
Mali	9.8	13.5	13.2	12.8	11.3	9.7	10.2	12.0	11.3	12.6	13.3	9.4	13.5	12.2
Mauritania	45.3	18.2	16.4	20.7	16.5	14.1	14.3	13.8	14.5	15.2	17.3	45.2	25.3	17.0
Mauritius	14.1	11.7	11.5	12.1	12.5	12.1	12.2	12.1	11.7	11.9	11.8	13.5	11.7	11.9
Mozambique	12.2	10.6	12.6	11.7	12.9	7.8	8.0	9.2	9.5	10.8	11.5	14.2	11.3	10.6
Namibia	16.0	30.3	32.2	31.6	28.3	30.0	30.1	29.9	29.3	28.8	26.1	23.6	27.1	29.5
Niger	10.4	14.8	17.5	15.8	16.0	14.1	11.3	13.8	13.1	14.9	12.7	11.5	12.9	14.4
Nigeria	12.1	12.2	18.4	17.5	14.3	11.1	8.0	9.4	9.7	13.4	20.5	14.4	12.5	13.6
Rwanda	12.5	12.1	12.9	11.7	10.5	11.3	12.0	10.6	11.3	12.8	12.2	14.7	12.6	11.6
São Tomé and Príncipe	34.5	26.6	31.5	34.5	31.9	27.6	27.2	31.9	25.6	29.8	29.3	22.1	39.7	29.4
Senegal	20.3	13.5	15.4	14.7	12.8	12.4	12.0	10.4	10.3	10.9	10.4	17.2	15.6	12.5
Seychelles	28.7	28.2	30.4	29.8	29.6	29.3	27.0	25.5	24.4	24.4	22.3	28.5	34.5	27.1
Sierra Leone	7.7	9.4	10.3	11.2	11.2	12.6	11.3	8.3	9.0	10.9	17.5	8.7	9.1	11.1
Somalia	15.6	..	..	..	..	..	..	..	..	..	..	19.8	..	..
South Africa	14.3	19.8	20.2	20.1	20.0	18.3	19.4	19.8	20.0	19.4	18.4	15.7	18.8	19.6
Sudan	16.0	..	..	..	..	..	..	..	..	..	..	12.1	11.9	..
Swaziland	19.1	18.7	17.6	21.4	21.7	19.7	20.5	23.9	24.3	22.6	20.4	21.0	19.2	20.8
Tanzania	..	18.9	19.6	19.4	17.1	11.5	11.6	8.8	7.6	7.2	6.6	13.5	14.6	13.3
Togo	22.4	17.5	12.4	16.1	13.2	12.1	11.7	10.3	12.2	11.1	10.8	20.0	15.2	12.9
Uganda	..	8.8	9.7	9.8	10.3	9.8	10.3	10.4	9.6	9.9	10.6	10.8	9.3	9.7
Zambia	25.5	31.8	15.0	18.4	13.1	12.5	11.4	10.9	11.2	9.7	10.6	25.7	19.9	14.9
Zimbabwe	18.5	16.1	24.2	14.9	16.7	18.0	16.9	16.3	17.5	15.2	24.2	16.9	22.1	18.1
NORTH AFRICA	12.5	14.0	14.4	14.9	14.8	14.5	14.0	14.0	14.3	14.0	13.0	14.3	16.8	14.2
Algeria	15.2	14.7	16.0	17.3	17.9	16.8	16.4	16.7	18.1	17.1	14.1	15.2	18.7	16.5
Egypt, Arab Republic	15.7	11.2	10.4	10.2	10.3	10.5	10.4	10.2	10.1	10.1	9.7	19.5	14.9	10.4
Libya	21.8	..	..	..	..	..	..	..	..	..	..	27.8	..	..
Morocco	18.3	15.6	16.8	18.1	17.1	17.4	16.9	17.8	18.0	19.2	19.1	18.9	15.6	17.4
Tunisia	14.5	16.6	16.0	16.3	16.5	16.9	15.6	15.8	15.7	15.5	15.7	15.7	17.1	16.1
ALL AFRICA	13.8	16.8	17.5	17.1	16.6	15.7	15.0	15.3	15.4	15.6	15.6	14.8	16.4	16.1

Note: 2000 data are preliminary (see page 2). Since 1994, Nigeria's ratios are distorted because the official exchange rate used by the Government for oil exports and oil value added is significantly over-valued.

## 2-8. Gross domestic investment

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	21.2	14.9	14.7	15.8	17.3	18.0	17.7	17.4	18.2	17.9	17.9	20.8	15.3	16.7
excluding South Africa	20.3	17.2	17.0	17.4	19.1	17.8	18.4	18.5	20.2	20.4	19.9	20.6	15.6	18.3
excl. S. Africa & Nigeria	19.1	16.0	15.7	16.5	19.0	18.1	19.4	18.8	19.4	19.6	19.0	19.0	15.8	18.0
Angola	..	12.9	3.6	11.2	16.6	3.0	26.6	25.4	24.1	38.2	28.3	..	14.8	18.3
Benin	15.2	14.5	13.8	15.4	15.8	19.6	17.1	19.3	17.5	17.9	19.7	17.7	12.6	16.8
Botswana	36.8	30.4	28.6	26.6	26.9	26.9	25.8	23.0	20.6	19.7	21.7	32.9	25.0	25.6
Burkina Faso	17.0	20.6	21.1	19.8	21.8	25.8	27.4	28.5	30.6	27.1	27.6	20.2	21.7	24.6
Burundi	13.9	14.4	15.0	16.3	10.6	9.6	12.1	8.1	8.8	9.1	9.1	14.3	15.9	11.6
Cameroon	21.0	16.7	14.3	16.5	15.3	14.5	15.4	16.2	18.4	18.7	16.4	25.1	22.6	16.4
Cape Verde	51.6	26.2	34.5	39.7	43.4	42.4	24.1	22.0	19.8	20.9	19.3	49.1	32.3	28.7
Central African Republic	7.0	12.4	12.2	10.2	11.7	13.5	4.3	9.8	13.5	14.4	10.7	10.5	12.5	11.4
Chad	..	6.5	7.5	9.8	16.6	10.3	14.9	14.8	17.4	12.6	17.0	11.9	7.9	13.0
Comoros	33.2	20.3	22.2	20.6	21.0	17.6	13.5	15.5	15.2	12.5	13.0	33.4	24.2	17.4
Congo, Democratic Rep. of	10.0	5.6	6.9	1.8	7.9	9.4	7.1	7.1	..	..	..	12.7	13.7	6.9
Congo, Republic of	35.8	20.5	21.6	29.5	54.5	30.8	28.1	28.6	37.5	27.6	24.0	36.2	22.4	29.0
Côte d'Ivoire	26.5	7.4	6.9	8.3	12.5	13.5	15.6	15.8	16.4	16.0	12.3	23.6	11.8	12.0
Djibouti	..	..	..	..	..	8.4	9.1	9.4	15.3	8.9	12.9	..	..	10.7
Equatorial Guinea	..	50.7	24.2	22.0	74.1	76.3	113.6	65.7	91.6	54.7	37.5	13.9	0.0	57.1
Eritrea	..	..	5.4	15.1	17.8	19.3	29.3	41.0	31.3	39.1	38.0	..	..	26.2
Ethiopia	..	9.9	9.2	14.2	15.2	16.4	16.9	17.0	17.2	16.0	14.2	13.7	14.7	14.4
Gabon	27.5	26.5	22.4	22.4	21.9	23.7	23.3	29.6	37.3	28.0	26.1	42.9	35.7	25.7
Gambia, The	26.7	21.9	22.2	21.0	18.1	20.2	21.6	17.2	18.4	17.8	17.3	19.7	17.1	19.8
Ghana	5.6	15.9	12.8	22.2	24.0	20.0	29.2	24.8	23.1	21.0	23.7	6.9	10.8	21.0
Guinea	..	18.1	17.4	17.8	15.4	16.6	17.3	17.6	18.0	22.2	22.2	..	16.1	18.2
Guinea-Bissau	28.2	31.0	48.4	30.9	21.8	22.3	23.0	24.1	12.9	16.9	17.7	23.8	35.6	25.4
Kenya	24.5	20.0	13.7	17.7	16.4	17.5	16.8	15.4	15.3	14.0	12.7	21.6	20.3	16.3
Lesotho	37.0	64.7	66.4	54.8	55.6	60.5	58.4	54.0	47.1	48.6	40.4	30.5	43.1	54.8
Liberia	27.3	..	..	..	..	..	..	..	..	..	..	23.8	9.2	..
Madagascar	15.0	8.2	11.3	11.4	10.9	10.9	11.6	11.9	12.5	12.9	16.1	10.2	10.9	12.2
Malawi	24.7	20.2	19.9	15.2	29.1	17.0	11.6	12.2	13.5	14.8	13.1	25.3	18.9	17.2
Mali	15.5	22.8	21.9	21.8	27.3	22.9	22.9	20.6	20.9	21.2	22.6	14.8	20.1	22.5
Mauritania	26.3	17.9	19.3	20.6	20.7	19.3	18.6	17.6	19.0	17.8	30.1	26.7	26.6	20.1
Mauritius	20.7	28.7	29.3	30.7	32.3	25.8	24.7	29.3	25.7	26.4	25.7	25.3	26.6	28.1
Mozambique	5.9	16.0	15.6	12.7	19.8	22.8	20.9	18.7	23.2	31.9	33.7	5.8	10.3	21.0
Namibia	31.8	19.3	22.6	17.1	21.9	21.7	23.1	20.7	26.9	23.9	23.8	23.9	14.0	23.2
Niger	28.1	7.5	6.9	6.4	10.4	7.3	9.7	10.9	11.3	10.2	10.6	18.2	13.7	9.0
Nigeria	21.3	23.4	21.8	23.3	19.6	16.3	14.2	17.4	24.1	23.4	22.7	22.3	15.1	20.1
Rwanda	16.1	14.0	14.3	14.5	11.7	15.0	15.5	14.9	15.7	14.3	15.2	14.8	15.4	14.5
São Tomé and Príncipe	16.8	36.8	38.8	35.3	41.6	68.1	56.2	49.1	35.8	40.0	39.3	14.6	14.8	41.5
Senegal	11.7	12.9	14.8	14.1	18.6	16.7	18.5	18.0	18.6	19.0	19.8	13.1	11.8	16.8
Seychelles	38.3	22.3	21.2	28.7	26.2	30.3	49.1	30.7	38.0	37.1	29.3	30.1	23.6	30.7
Sierra Leone	17.7	10.5	8.2	7.4	7.7	8.5	7.4	5.2	4.8	5.0	3.4	14.5	9.3	7.0
Somalia	42.4	..	..	..	..	..	..	..	..	..	..	27.1	28.5	15.5
South Africa	23.4	11.9	12.0	14.0	15.6	18.2	16.9	16.0	15.5	14.6	15.0	21.3	14.9	14.7
Sudan	14.7	..	..	..	..	..	..	13.6	15.9	14.4	14.3	16.0	13.2	14.6
Swaziland	30.3	19.7	24.1	23.6	21.8	20.3	20.5	20.6	22.0	19.6	19.6	30.6	22.0	21.1
Tanzania	..	26.3	27.2	25.1	24.6	19.8	16.6	14.9	13.5	15.9	17.7	..	16.8	20.7
Togo	28.4	17.1	15.7	7.5	15.0	16.1	18.8	16.3	20.7	18.9	20.5	29.8	17.1	17.6
Uganda	6.2	15.2	15.9	15.2	14.7	16.4	16.1	16.1	15.0	16.4	18.2	7.2	9.8	15.6
Zambia	23.3	11.0	11.9	15.0	8.2	15.9	12.8	14.6	16.4	17.9	18.3	22.3	14.7	14.5
Zimbabwe	16.9	19.1	20.2	22.8	23.7	19.7	18.5	18.1	17.1	16.1	12.6	16.7	16.9	18.7
<b>NORTH AFRICA</b>	28.2	26.6	25.6	23.4	22.9	22.8	20.6	22.6	25.9	25.8	24.3	31.1	28.2	24.5
Algeria	39.1	31.8	30.8	29.1	31.2	31.8	25.1	23.8	28.7	27.8	23.8	41.7	30.7	28.4
Egypt, Arab Republic	27.5	21.2	18.2	16.2	16.6	17.2	16.6	21.7	25.6	25.5	23.9	29.9	28.6	21.0
Libya	22.1	..	..	..	..	..	..	..	..	..	..	26.3	..	..
Morocco	24.2	22.6	23.2	22.5	21.3	20.7	19.6	20.7	22.2	23.4	24.4	26.5	23.1	22.4
Tunisia	29.4	32.1	34.3	29.2	24.5	24.8	25.1	26.4	27.0	26.8	27.4	31.2	25.0	28.2
<b>ALL AFRICA</b>	22.8	18.4	18.1	18.3	19.2	19.6	18.7	19.2	21.1	21.0	20.4	23.5	19.8	19.4

Note: 2000 data are preliminary (see page 2). Since 1994, Nigeria's ratios are distorted because the official exchange rate used by the Government for oil exports and oil value added is significantly over-valued.

## 2-9. Gross public investment

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	9.2	6.3	6.6	5.5	5.0	5.2	5.2	5.4	6.3	6.2	5.7	8.9	7.0	5.8
excluding South Africa	..	6.6	7.7	6.5	5.8	6.2	5.9	6.3	7.1	7.4	6.7	..	6.7	6.6
excl. S Africa & Nigeria	..	5.6	6.2	5.7	6.3	6.4	6.0	6.0	6.2	6.6	5.8	6.5	5.8	6.1
Angola	..	..	..	..	..	..	..	4.7	1.4	12.7	5.9	..	..	6.2
Benin	..	7.4	6.6	7.1	9.3	10.4	7.5	8.0	6.6	7.1	8.5	..	9.1	7.8
Botswana	12.5	..	..	..	..	..	..	14.2	14.3	14.4	14.5	12.1	..	14.3
Burkina Faso	..	6.3	10.1	8.4	8.3	11.0	12.3	14.4	13.9	17.0	15.0	..	7.6	11.0
Burundi	12.8	12.0	11.7	12.9	9.0	8.3	10.4	5.0	5.6	6.2	5.6	14.0	13.6	9.0
Cameroon	4.4	4.0	2.7	1.8	1.3	1.2	0.5	1.0	2.0	2.3	1.4	4.7	9.0	2.1
Cape Verde	..	12.5	26.2	28.2	32.0	27.1	20.5	18.0	15.7	18.2	14.9	..	19.3	20.3
Central African Republic	3.7	7.2	7.5	6.2	7.2	9.8	1.8	3.9	7.1	6.8	7.1	4.7	6.3	6.3
Chad	..	4.0	4.5	5.8	7.3	6.3	3.5	5.6	7.8	9.4	10.3	2.2	4.8	6.8
Comoros	23.2	4.6	10.9	7.2	10.4	6.9	6.2	6.6	7.8	6.2	6.6	23.3	14.2	7.1
Congo, Democratic Rep. of	5.1	2.6	2.8	0.9	0.6	4.4	2.5	2.5	..	..	..	3.9	4.9	2.5
Congo, Republic of	35.8	4.7	4.7	7.1	12.8	7.8	5.2	4.3	4.7	6.5	7.0	35.5	11.1	6.4
Côte d'Ivoire	11.4	3.4	3.8	3.7	4.1	4.2	5.5	6.0	6.7	4.8	3.1	10.5	4.4	4.5
Djibouti	..	..	..	..	..	3.6	3.9	4.3	6.6	..	..	..	..	4.6
Equatorial Guinea	..	13.4	10.1	8.9	4.1	1.9	1.2	4.4	7.5	1.3	0.8	..	0.0	5.8
Eritrea	..	..	3.6	14.1	10.5	11.1	15.4	19.0	22.3	32.1	26.0	..	..	17.1
Ethiopia	..	4.3	3.2	5.0	7.1	7.5	7.5	8.3	7.4	7.9	5.8	..	6.9	6.3
Gabon	5.3	5.2	5.3	5.1	5.6	5.1	5.9	9.2	13.4	7.3	4.8	15.8	5.9	6.4
Gambia, The	..	7.7	7.8	7.5	7.0	10.0	12.9	7.9	5.2	4.7	3.8	13.8	7.6	7.4
Ghana	..	8.3	10.3	11.1	13.3	14.0	13.3	12.4	11.3	9.8	9.2	2.5	7.0	11.0
Guinea	..	7.0	6.7	6.2	5.9	6.3	5.4	6.1	4.1	7.2	7.3	..	7.4	6.5
Guinea-Bissau	..	23.2	28.4	24.6	20.4	15.2	14.8	15.6	6.2	10.8	11.7	..	29.6	17.5
Kenya	10.1	10.3	7.1	8.0	8.5	7.4	7.0	6.4	5.0	4.6	3.8	8.9	7.6	7.1
Lesotho	0.0	0.0	3.9	14.0	14.0	14.3	16.8	18.5	15.8	8.8	7.8	6.4	0.0	10.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	5.9	7.6	7.8	6.2	6.0	6.7	5.6	5.6	6.1	7.9	6.4	7.0	6.7
Malawi	17.5	8.3	10.2	8.4	15.1	9.4	6.1	7.1	8.7	10.6	8.6	13.6	8.1	9.1
Mali	..	12.1	9.5	9.3	13.7	9.4	9.2	8.2	9.5	9.4	10.4	..	10.2	10.1
Mauritania	..	3.8	3.4	4.3	4.3	3.8	6.1	5.6	5.6	6.0	8.0	..	7.6	5.2
Mauritius	8.4	8.2	9.6	7.9	9.1	8.0	9.3	6.5	6.1	6.9	7.5	7.9	7.9	8.2
Mozambique	7.6	11.4	12.8	12.3	14.0	12.0	10.3	10.7	9.0	10.6	12.6	10.4	8.6	11.6
Namibia	13.9	6.6	8.9	7.3	7.0	7.1	7.3	8.2	7.8	7.4	7.5	12.3	6.6	7.5
Niger	20.4	3.7	5.4	4.9	6.6	5.2	4.6	5.8	6.4	6.4	5.8	13.8	8.5	5.6
Nigeria	..	11.4	13.4	10.7	3.6	5.3	5.2	7.1	11.3	10.4	9.8	..	..	9.0
Rwanda	12.2	7.0	10.1	8.5	2.7	8.1	9.1	8.2	6.7	6.3	6.0	13.7	10.2	7.1
São Tomé and Príncipe	0.0	26.8	23.8	20.3	26.6	33.1	29.2	22.1	19.8	26.0	22.8	0.0	0.0	22.8
Senegal	5.5	4.6	5.2	4.2	5.0	4.4	6.4	6.4	6.5	6.6	6.7	4.1	4.0	5.5
Seychelles	..	12.9	9.4	11.2	7.5	6.8	8.1	8.9	13.4	12.3	12.0	16.3	7.6	10.1
Sierra Leone	6.0	4.4	4.7	5.1	4.0	7.4	2.3	3.1	3.0	3.0	1.8	4.9	3.0	3.8
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	13.0	6.1	5.2	4.4	4.1	4.3	4.4	4.5	5.5	4.7	4.2	13.0	8.1	4.9
Sudan	6.9	..	..	..	..	..	..	0.6	0.8	1.3	2.2	5.6	3.0	1.2
Swaziland	11.8	10.6	11.8	10.0	8.8	6.4	5.3	5.0	6.1	7.1	7.5	11.9	9.2	7.8
Tanzania	..	8.8	9.2	7.5	6.0	3.4	3.5	2.9	3.3	3.2	3.4	..	3.5	5.6
Togo	20.2	4.5	3.5	2.3	2.3	3.5	5.0	3.6	7.7	6.4	6.2	12.2	10.2	4.8
Uganda	..	7.4	7.4	6.7	5.4	5.4	5.3	4.7	4.6	4.7	6.7	..	4.4	5.9
Zambia	4.0	7.8	6.7	4.5	4.0	5.1	6.0	5.4	11.3	10.7	11.1	4.1	4.7	7.2
Zimbabwe	1.8	3.5	3.8	3.7	3.1	2.9	2.3	2.8	1.8	4.1	0.0	2.9	2.6	2.8
<b>NORTH AFRICA</b>	..	8.2	8.6	9.4	8.3	7.5	6.8	9.2	9.5	..	..	..	11.1	8.5
Algeria	11.0	6.2	6.9	8.7	7.9	7.3	6.8	7.3	7.6	5.9	8.0	12.9	12.7	7.3
Egypt, Arab Republic	..	9.2	8.5	7.1	6.1	5.5	5.5	10.6	11.3	9.8	7.5	..	12.6	8.3
Libya	19.4	..	..	..	..	..	..	..	..	..	..	21.1	..	..
Morocco	9.8	9.6	9.5	11.8	10.1	8.9	6.8	7.1	6.5	..	..	13.5	8.8	8.8
Tunisia	15.0	10.2	12.0	15.3	13.7	12.3	11.0	11.9	11.6	12.4	12.5	17.2	11.4	12.2
<b>ALL AFRICA</b>	..	6.9	7.2	6.8	6.1	6.0	5.7	6.8	7.6	7.1	6.6	10.8	9.0	6.8

Note: 2000 data are preliminary (see page 2). Since 1994, Nigeria's ratios are distorted because the official exchange rate used by the Government for oil exports and oil value added is significantly over-valued

## 2-10. Gross private investment

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	8.7	10.6	9.6	10.7	12.0	11.8	11.9	11.8	12.1	11.8	12.0	9.9	9.3	11.3
excluding South Africa		10.3	9.0	11.1	12.9	11.9	12.1	11.9	12.7	12.8	13.0	7.7	8.1	11.4
excl S Africa & Nigera		10.0	9.2	10.9	12.3	12.1	12.8	12.2	12.7	12.7	12.9	9.6	8.5	11.5
Angola	..	10.5	0.1	19.8	28.4	21.1	21.7	20.7	22.7	25.5	22.4	..	9.2	17.7
Benin	..	6.1	6.7	7.9	6.2	6.9	9.1	11.3	10.8	10.8	11.2	..	4.5	8.5
Botswana	19.1	..	..	..	..	..	..	7.1	4.6	3.5	5.5	14.1	..	5.2
Burkina Faso	..	14.2	13.2	10.3	14.9	14.0	13.9	14.4	16.6	10.2	12.6	..	13.0	13.6
Burundi	1.1	2.9	2.8	3.0	1.6	1.4	1.8	2.2	2.3	1.8	2.4	1.5	2.7	2.3
Cameroon	15.6	12.7	11.6	14.7	14.0	13.3	14.9	15.2	16.4	16.4	15.1	24.2	12.1	14.2
Cape Verde	20.8	14.0	8.2	11.5	11.3	15.3	3.6	4.0	4.1	2.7	4.4	10.1	7.7	8.3
Central African Republic	3.2	4.7	4.4	3.3	4.5	3.4	2.5	5.9	6.5	7.7	3.6	4.1	5.3	4.9
Chad	..	0.7	0.8	1.1	4.4	5.3	5.9	7.0	6.5	6.7	10.2	0.3	0.8	4.5
Comoros	5.3	14.3	9.2	9.8	9.5	9.2	7.3	8.9	7.4	11.5	6.4	5.4	5.7	9.1
Congo, Democratic Rep. of	3.7	3.5	4.3	1.4	7.0	5.3	4.6	..	..	..	..	5.8	8.3	5.0
Congo, Republic of	0.0	15.0	15.9	21.8	40.1	21.1	21.8	23.7	30.5	19.9	17.0	0.0	11.4	21.7
Côte d'Ivoire	13.0	5.1	4.7	4.1	7.0	8.7	11.4	10.1	9.6	12.0	9.7	12.3	7.1	7.9
Djibouti	..	..	..	..	..	4.8	5.2	5.1	8.6	..	..	..	..	5.9
Equatorial Guinea	..	37.3	14.1	13.1	70.0	74.4	112.4	61.3	84.1	53.4	36.8	..	0.0	51.3
Eritrea	..	..	1.8	1.0	7.3	8.2	13.9	21.9	24.9	15.2	..	..	..	11.8
Ethiopia	..	5.6	6.0	9.2	8.0	9.0	9.4	8.7	9.8	8.2	8.3	..	8.9	8.0
Gabon	21.4	20.9	16.7	17.8	15.4	17.6	17.3	20.4	23.9	20.8	21.3	24.0	29.8	19.1
Gambia, The	..	14.2	14.4	13.5	11.1	10.2	8.6	9.3	13.2	13.1	13.5	7.4	9.5	12.4
Ghana	..	7.5	2.4	12.7	9.3	7.1	15.9	11.4	11.1	11.8	14.8	4.4	3.7	10.1
Guinea	..	10.0	9.8	10.6	11.1	10.3	11.9	11.6	13.8	14.0	14.1	..	8.7	11.4
Guinea-Bissau	..	7.8	20.0	6.3	1.4	7.1	8.3	8.5	5.2	5.1	1.5	..	10.0	7.2
Kenya	8.2	7.7	6.2	8.9	7.5	9.7	9.2	8.1	9.4	8.5	8.1	8.8	7.8	8.2
Lesotho	37.0	64.7	61.6	41.4	43.1	46.9	41.4	36.5	33.2	38.8	34.8	25.2	43.1	45.0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	4.6	3.7	3.7	4.7	4.9	5.0	6.3	6.9	6.8	8.2	2.2	3.9	5.6
Malawi	4.7	8.7	6.9	4.6	11.6	5.1	3.0	2.7	2.4	2.3	2.4	7.0	7.8	5.6
Mali	..	10.7	12.4	12.5	13.7	13.5	13.7	12.4	11.4	11.8	12.2	..	9.9	12.4
Mauritania	..	14.1	15.9	16.4	16.4	15.5	12.5	12.0	13.3	11.8	22.1	..	19.0	14.9
Mauritius	14.9	20.4	18.3	20.6	21.7	16.3	16.7	20.6	17.5	20.9	18.4	15.3	15.0	19.1
Mozambique	-1.7	4.7	2.8	0.4	5.8	10.8	10.7	7.9	14.2	21.3	21.1	-4.5	1.7	9.4
Namibia	12.2	8.6	11.0	13.8	12.5	15.1	16.2	11.9	15.7	16.1	16.0	8.9	7.5	13.6
Niger	5.1	4.1	1.9	1.9	2.3	1.8	4.7	4.8	4.6	3.6	4.6	3.6	2.4	3.5
Nigeria	..	12.0	8.3	12.5	16.0	11.1	8.9	10.3	12.8	13.0	12.9	5.2	6.1	11.1
Rwanda	0.0	7.0	4.2	6.1	9.0	6.9	6.4	6.7	9.0	8.0	9.2	0.0	4.7	7.4
São Tomé and Príncipe	11.4	10.0	15.0	15.0	15.0	35.0	27.0	27.0	16.0	14.0	16.5	11.4	13.7	18.9
Senegal	7.7	9.3	9.2	9.7	11.1	10.2	9.9	11.6	11.8	12.4	13.1	7.9	8.4	10.6
Seychelles	..	8.4	11.5	15.6	17.9	23.6	40.8	21.7	24.6	24.8	17.3	5.4	14.9	20.1
Sierra Leone	9.0	4.0	2.9	2.4	3.5	0.5	4.9	2.5	2.4	2.4	1.5	7.8	5.0	2.9
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	12.9	11.0	10.4	10.3	11.0	11.6	11.7	11.8	11.3	10.5	10.7	13.9	11.8	11.1
Sudan	3.8	..	..	..	..	..	..	13.0	15.1	13.2	12.1	8.0	8.3	13.3
Swaziland	13.3	8.2	11.4	12.7	12.2	13.1	14.3	14.8	15.7	12.5	12.1	17.2	11.4	12.7
Tanzania	..	17.2	17.8	17.4	18.5	16.2	13.0	11.8	10.1	12.5	14.1	8.6	11.7	14.9
Togo	8.0	13.5	12.5	8.6	9.7	10.1	12.2	11.0	12.9	12.6	14.1	8.0	7.6	12.3
Uganda	..	7.8	8.5	8.5	9.2	10.2	11.3	11.6	10.5	11.7	11.5	..	5.4	9.8
Zambia	17.2	3.5	3.8	7.0	7.3	7.3	5.2	7.7	3.5	5.7	5.5	12.6	4.1	5.8
Zimbabwe	12.3	17.1	18.6	19.9	18.3	21.7	15.7	15.3	15.7	10.8	12.4	13.3	12.4	16.4
NORTH AFRICA	..	17.3	16.7	14.7	15.3	15.4	14.1	14.6	15.4	16.2	15.0	13.0	15.3	15.7
Algeria	22.8	19.2	19.8	18.3	20.7	21.9	18.1	17.4	19.0	20.1	13.5	25.3	16.6	18.7
Egypt, Arab Republic	..	13.1	10.5	9.2	10.5	10.7	10.5	12.1	12.3	13.0	14.1	7.1	13.3	12.1
Libya	1.8	..	..	..	..	..	..	..	..	..	..	3.6	..	..
Morocco	16.7	18.6	18.6	18.6	17.2	17.7	16.3	17.3	19.3	20.7	20.7	18.1	17.6	18.7
Tunisia	13.3	19.9	20.3	12.8	13.3	11.9	12.2	12.7	13.2	12.9	13.8	13.2	12.2	14.8
ALL AFRICA	10.6	12.6	11.9	12.0	13.2	13.0	12.6	12.8	13.4	13.5	13.2	11.6	11.4	12.8

Note: 2000 data are preliminary (see page 2). Since 1994, Nigeria's ratios are distorted because the official exchange rate used by the Government for oil exports and oil value added is significantly over-valued.

## 2-11. Gross domestic savings

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	23.3	16.1	12.9	14.0	16.4	15.9	18.6	16.3	14.6	15.1	18.8	20.2	19.1	16.1
excluding South Africa	19.1	15.1	10.1	10.8	15.2	12.9	18.7	15.3	12.5	12.9	18.7	17.6	16.9	14.5
excl. S Africa & Nigeria	11.1	12.2	6.9	8.9	14.0	11.8	14.9	13.2	11.0	11.6	14.5	15.2	16.5	12.2
Angola	..	16.2	1.7	9.9	26.1	0.7	39.9	24.7	6.4	29.4	44.2	..	24.0	20.8
Benin	-6.3	1.9	0.0	1.1	6.0	6.7	3.4	5.9	6.8	4.9	6.1	-1.7	-2.3	4.1
Botswana	34.4	37.7	35.2	36.1	38.9	40.6	43.4	31.8	21.8	14.2	15.9	30.2	49.2	32.1
Burkina Faso	-5.8	6.1	7.0	5.6	7.9	9.2	9.3	11.3	13.0	9.2	8.7	-1.7	2.4	8.6
Burundi	-0.6	-4.2	-5.1	-4.7	-7.6	-4.8	2.5	3.9	-2.9	-0.5	-5.7	4.1	3.3	-3.1
Cameroon	21.7	22.0	16.5	17.6	17.9	19.5	17.3	19.1	19.9	18.4	20.3	23.1	22.9	19.0
Cape Verde	-24.0	-4.2	-3.5	3.7	2.8	2.4	-8.0	-8.4	-15.3	-17.5	-14.5	-19.8	-2.9	-6.4
Central African Republic	-8.9	2.6	-0.4	1.8	6.0	6.2	0.6	4.4	5.3	11.0	7.7	-1.6	0.8	4.0
Chad	..	-5.9	-6.3	-6.2	-1.4	-1.7	3.3	2.3	4.1	-2.2	1.5	2.4	-11.1	-1.0
Comoros	-10.1	2.1	-1.6	2.9	-5.9	-9.2	-11.4	-12.1	1.5	-4.8	-0.2	-6.5	-2.5	-3.8
Congo, Democratic Rep. of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..	..	..	0.0	0.0	0.0
Congo, Republic of	35.7	18.6	24.4	23.6	26.6	42.5	46.9	38.7	24.6	46.1	60.7	26.1	23.2	34.2
Côte d'Ivoire	20.4	10.4	10.7	9.4	22.4	18.9	23.2	22.3	22.7	22.8	18.7	24.3	18.4	17.5
Djibouti	..	..	..	..	..	-8.3	-6.9	-5.7	-0.8	-5.5	-5.3	..	..	-5.4
Equatorial Guinea	..	21.0	-10.0	-13.7	25.1	27.3	30.7	43.1	19.9	64.9	74.0	7.6	-33.3	23.9
Eritrea	..	..	-31.3	-24.6	-35.4	-38.6	-31.0	-17.3	-40.4	-42.9	-27.0	..	..	-32.0
Ethiopia	..	2.7	3.0	5.6	5.4	8.0	7.0	7.9	7.7	1.2	-1.1	6.4	7.2	5.0
Gabon	60.6	40.5	34.7	36.7	45.3	47.3	51.0	51.0	39.0	34.8	28.3	58.1	32.3	40.5
Gambia, The	5.8	10.6	9.3	4.0	2.8	-3.9	5.6	4.5	2.8	3.2	4.1	4.3	7.6	4.9
Ghana	4.9	7.3	1.3	6.0	12.5	11.6	21.2	4.2	10.2	3.7	3.3	6.3	5.5	7.9
Guinea	..	18.0	11.2	11.1	12.1	12.8	12.0	15.4	14.3	17.5	16.6	..	16.4	14.4
Guinea-Bissau	-1.0	3.2	3.2	7.0	3.9	-1.2	1.8	5.3	-8.6	-1.1	-8.8	-3.0	-0.1	0.7
Kenya	13.4	19.0	13.7	23.8	19.6	11.3	13.2	7.9	7.4	8.3	3.6	17.4	16.9	12.9
Lesotho	-52.0	-50.4	-34.8	-45.5	-36.0	-38.4	-36.2	-31.4	-33.5	-22.4	-19.5	-64.3	-63.0	-36.4
Liberia	27.3	..	..	..	..	..	..	..	..	..	..	23.3	16.4	..
Madagascar	-1.4	0.7	3.4	2.5	3.4	3.6	6.3	3.7	4.6	5.0	6.0	2.0	5.8	4.1
Malawi	10.8	14.2	0.7	-0.9	-3.0	-0.3	3.0	0.9	6.1	-0.6	1.1	15.6	11.8	3.1
Mali	1.1	6.4	4.4	6.4	7.5	7.8	7.2	10.0	11.2	10.1	7.3	0.2	0.1	7.7
Mauritania	-3.5	9.7	4.8	4.7	16.9	8.9	6.3	7.9	5.0	7.2	15.0	-5.6	10.3	8.3
Mauritius	10.5	24.9	26.1	24.5	23.4	23.3	23.8	24.5	24.8	22.8	22.2	18.5	25.5	24.0
Mozambique	-10.6	-11.2	-17.2	-22.4	-13.9	-1.9	-1.8	0.9	7.1	6.6	9.5	-10.4	-10.2	-5.1
Namibia	44.6	11.3	14.5	12.3	19.1	15.5	15.1	10.7	15.0	16.7	16.6	17.8	17.3	15.7
Niger	14.6	2.8	5.8	3.9	0.0	0.2	3.1	3.2	2.7	3.8	2.9	8.4	7.9	2.7
Nigeria	31.4	29.3	23.5	20.2	20.6	18.4	34.9	24.6	19.6	19.1	34.0	21.5	17.7	24.9
Rwanda	4.2	3.3	1.6	-0.9	-46.8	-5.8	-4.3	-2.8	-1.8	-2.6	-0.5	6.8	5.3	-5.0
São Tomé and Príncipe	-11.6	-21.8	-28.1	-31.6	-17.5	-11.4	-13.7	-16.5	-7.0	-9.3	-10.1	-6.6	-21.9	-19.0
Senegal	-5.0	5.9	7.4	5.5	11.9	11.1	12.8	12.3	12.9	11.5	10.8	1.1	3.8	10.1
Seychelles	27.1	18.7	17.6	18.4	22.1	23.5	37.8	20.1	22.4	23.6	21.3	21.9	30.1	22.4
Sierra Leone	2.9	8.1	6.3	2.9	2.5	1.8	-7.9	1.6	-2.5	3.9	-13.5	4.7	5.7	1.0
Somalia	-12.9	..	..	..	..	..	..	..	..	..	..	-11.4	5.6	-12.5
South Africa	21.4	16.9	16.1	17.6	17.9	19.1	18.3	17.1	16.7	17.3	18.0	24.4	22.0	17.5
Sudan	2.1	..	..	..	..	..	..	4.2	2.8	7.4	14.8	5.8	7.9	7.3
Swaziland	6.5	8.8	1.4	-1.6	2.3	1.8	-3.8	1.4	3.3	3.8	4.4	13.6	14.7	3.8
Tanzania	..	3.0	0.3	-4.6	1.6	1.9	3.6	4.9	-0.7	3.9	9.2	11.0	7.1	2.2
Togo	23.2	9.0	6.5	-0.2	11.3	11.2	7.9	0.4	5.5	7.6	6.2	21.4	7.6	7.3
Uganda	-0.4	0.7	0.4	1.1	4.3	7.4	4.6	8.0	5.6	4.7	2.6	4.1	3.0	3.6
Zambia	19.3	8.4	0.3	8.2	7.4	12.2	5.3	9.4	3.9	-0.9	3.1	18.9	14.9	6.7
Zimbabwe	13.8	15.8	11.0	21.0	21.8	17.0	18.7	11.1	15.3	15.7	12.3	15.2	19.0	16.1
<b>NORTH AFRICA</b>	40.5	24.5	23.0	20.0	18.0	17.9	19.1	21.3	19.8	21.8	25.1	35.3	21.2	21.2
Algeria	43.1	37.4	32.2	27.7	26.6	28.1	31.4	32.2	27.1	31.4	44.2	38.6	23.8	31.4
Egypt, Arab Republic	15.2	13.2	15.4	13.2	11.4	12.2	10.8	15.5	15.5	16.9	17.3	15.4	15.7	14.3
Libya	56.9	..	..	..	..	..	..	..	..	..	..	46.5	..	..
Morocco	13.7	17.0	16.5	16.5	15.3	14.1	16.2	17.4	18.1	19.6	18.2	12.9	18.0	17.1
Tunisia	24.0	21.0	22.3	21.3	22.2	20.4	..	..	..	..	25.3	22.1	19.1	21.8
<b>ALL AFRICA</b>	28.6	18.8	16.2	16.1	16.9	16.6	18.8	18.0	16.4	17.6	21.1	24.7	20.3	17.8

Note: 2000 data are preliminary (see page 2). Since 1994, Nigeria's ratios are distorted because the official exchange rate used by the Government for oil exports and oil value added is significantly over-valued.

## 2-12. Gross national savings

	Percentage of GDP										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	22.9	12.5	9.8	10.9	13.5	12.7	15.7	13.6	12.0	11.8	14.8	20.6	15.7	12.8
excluding South Africa	20.3	11.0	6.5	7.1	11.6	8.9	15.6	12.6	10.1	9.4	14.3	20.3	13.9	10.9
excl. S Africa & Nigeria	14.5	9.1	4.1	5.9	11.3	8.1	11.9	10.1	8.9	8.4	10.6	19.1	14.1	9.1
Angola	..	-2.5	-4.4	-24.6	-16.8	-46.0	17.7	-14.6	-39.6	-24.1	-0.3	..	13.7	-14.8
Benin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	11.6	10.2	11.5	0.0	0.0	4.6
Botswana	36.3	43.9	40.7	45.0	35.5	39.3	44.4	33.6	27.9	12.3	21.1	34.0	44.4	34.7
Burkina Faso	..	13.9	14.9	17.3	14.6	19.6	17.3	24.5	25.9	22.0	21.0	..	..	18.9
Burundi	4.6	6.3	4.2	7.9	9.0	9.2	7.7	8.8	2.9	3.7	3.2	5.6	7.9	6.0
Cameroon	6.3	16.3	12.4	11.3	11.2	13.6	11.2	13.4	15.7	14.6	13.6	13.4	20.6	13.6
Cape Verde	16.4	21.4	29.3	31.7	31.4	31.5	18.7	11.2	6.1	5.2	5.8	4.7	21.6	19.1
Central African Republic	-2.9	4.5	0.1	1.8	11.4	6.3	-1.6	4.1	5.9	11.4	8.5	6.0	4.2	4.7
Chad	..	-0.1	-0.1	-4.6	6.1	1.9	6.5	5.4	6.4	-1.3	3.2	6.9	-3.7	2.7
Comoros	..	..	..	..	..	..	..	..	..	..	13.3	..	..	13.3
Congo, Democratic Rep. of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..	..	..	0.0	0.0	0.0
Congo, Republic of	26.2	2.2	11.5	9.7	16.6	17.5	3.6	8.3	-19.9	15.7	30.7	19.8	16.8	9.3
Côte d'Ivoire	..	-20.2	-17.3	2.4	13.9	9.9	9.0	10.6	11.8	11.0	6.9	15.7	5.1	1.5
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	14.6	-15.6	-16.2	22.5	23.6	10.1	27.7	9.7	18.5	11.3	..	-12.3	7.6
Eritrea	..	..	27.6	43.3	57.8	22.9	32.5	63.3	13.8	14.3	19.6	..	..	32.8
Ethiopia	..	6.3	8.8	9.7	10.7	14.9	18.0	10.5	12.1	5.1	8.9	7.9	9.5	10.4
Gabon	47.8	29.1	19.7	22.0	30.7	29.0	32.3	34.5	23.9	18.9	11.5	48.1	23.5	25.2
Gambia, The	13.2	24.8	27.7	28.0	22.1	6.5	14.9	13.4	15.4	13.5	12.7	11.5	18.6	18.3
Ghana	4.5	8.8	3.6	12.8	19.1	17.6	26.1	10.3	18.1	9.6	13.4	5.9	5.8	13.3
Guinea	..	10.6	4.7	6.1	7.6	8.0	8.9	11.2	10.2	14.9	13.6	..	8.7	9.7
Guinea-Bissau	..	6.8	10.6	9.8	9.4	4.7	6.6	9.4	-4.0	4.2	-2.6	-635.9	-108.1	6.4
Kenya	10.7	15.1	9.7	18.3	16.2	11.8	15.5	10.4	10.8	12.2	10.4	14.3	14.0	12.9
Lesotho	-11.4	1.2	15.1	20.9	27.2	20.5	23.5	29.2	17.8	19.7	23.7	-34.1	-19.6	17.2
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	-2.4	0.1	3.9	3.6	1.4	1.1	6.4	6.2	4.9	7.3	7.6	1.7	5.6	4.7
Malawi	6.6	10.6	-0.7	-1.5	-5.0	-4.0	0.3	-1.5	1.9	-1.8	-0.6	13.9	10.3	1.2
Mali	1.9	16.6	14.3	14.9	19.1	13.7	12.8	13.0	13.7	12.5	11.2	1.0	7.5	14.3
Mauritania	-12.8	4.3	5.7	0.4	13.1	6.8	4.9	8.1	6.5	8.5	17.4	-15.5	20.4	7.9
Mauritius	13.1	28.1	29.1	27.5	25.7	25.3	25.9	26.9	26.9	24.3	23.4	19.5	26.6	26.4
Mozambique	-9.9	-17.5	-26.6	-30.9	-22.8	-9.6	-7.7	-4.3	1.6	1.3	18.5	-10.9	-15.5	-10.5
Namibia	33.8	28.9	29.9	26.6	31.2	32.0	29.7	25.3	30.9	27.9	29.3	27.7	21.5	30.3
Niger	13.0	1.1	4.5	2.5	-1.9	-2.5	1.7	1.6	1.6	2.8	1.3	6.1	3.9	1.0
Nigeria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	27.6	0.0	0.0	3.8
Rwanda	13.3	0.0	0.0	3.4	4.7	12.3	9.2	10.5	9.9	7.6	13.9	15.5	8.8	6.5
São Tomé and Príncipe	-5.5	-31.7	-36.5	-39.9	-21.6	-22.2	-23.0	-25.7	-18.1	-18.0	-15.1	-4.1	-28.0	-27.5
Senegal	-7.4	2.9	5.8	2.3	11.7	10.1	12.2	14.7	15.4	12.9	13.4	-2.8	-0.6	9.8
Seychelles	..	20.2	19.5	19.6	21.0	21.6	38.3	21.0	21.3	22.1	18.9	0.0	..	22.3
Sierra Leone	2.6	4.8	-3.2	-2.2	-2.6	-0.5	-7.6	2.1	-3.1	4.3	-14.3	4.2	3.3	-1.7
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	27.3	13.8	13.5	15.1	15.6	16.8	15.6	14.5	13.8	14.2	14.7	20.2	18.1	14.6
Sudan	0.5	..	..	..	..	..	..	..	..	..	..	0.8	0.8	..
Swaziland	20.9	24.9	20.7	17.7	16.0	16.8	14.8	21.2	14.9	17.1	9.5	23.6	26.6	19.2
Tanzania	..	3.9	4.2	4.9	6.6	-1.2	4.2	4.0	-0.9	3.3	9.1	13.8	21.5	4.0
Togo	26.4	13.4	1.1	1.5	9.6	14.2	11.4	3.8	8.8	7.3	9.6	23.7	9.0	9.0
Uganda	-1.0	1.4	2.1	3.0	10.4	12.1	10.8	12.8	13.4	10.3	10.7	-13.4	3.8	8.0
Zambia	9.3	-4.2	-10.6	0.7	-0.2	4.6	-1.5	3.7	-3.6	-6.5	-1.7	9.5	0.3	-1.1
Zimbabwe	12.4	13.8	11.3	20.6	21.7	16.8	18.0	9.1	12.6	14.0	11.2	13.1	17.0	15.0
NORTH AFRICA	37.1	21.0	19.9	16.8	15.2	15.2	16.5	19.4	18.3	20.1	23.3	31.7	17.6	18.7
Algeria	..	..	..	..	..	..	..	..	..	..	40.6	..	..	40.6
Egypt, Arab Republic	..	..	..	..	..	..	..	..	..	..	23.0	..	..	23.0
Libya	53.5	..	..	..	..	..	..	..	..	..	..	39.8	..	..
Morocco	..	..	..	..	..	..	..	..	21.3	22.5	22.8	..	..	22.2
Tunisia	25.0	21.5	21.4	19.3	20.4	19.3	..	..	..	..	24.7	22.5	18.9	21.2
ALL AFRICA	27.3	17.4	14.6	14.8	15.6	15.0	17.3	16.9	15.6	16.3	19.4	23.9	18.0	16.4

Note: 2000 data are preliminary (see page 2). Since 1994, Nigeria's ratios are distorted because the official exchange rate used by the Government for oil exports and oil value added is significantly over-valued.

## 2-13. Resource balance

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	2.9	0.2	-1.1	-1.7	-1.1	-1.6	1.2	-1.5	-4.1	-3.1	0.3	-1.7	0.5	-0.9
excluding South Africa	0.6	-3.0	-5.1	-6.2	-4.3	-3.8	1.0	-3.5	-7.8	-7.1	-1.4	-3.7	-2.7	-3.8
excl. S Africa & Nigeria	-5.7	-4.6	-6.6	-6.7	-5.4	-5.0	-3.6	-5.9	-8.5	-7.7	-4.8	-5.0	-3.6	-5.6
Angola	..	3.2	-1.9	-1.3	9.5	-2.2	13.3	-0.7	-17.6	-8.7	16.0	..	9.1	2.5
Benin	-21.5	-12.5	-13.7	-14.2	-9.8	-12.9	-13.7	-13.4	-10.7	-13.0	-13.6	-19.4	-14.8	-12.7
Botswana	-2.4	7.3	6.6	9.5	12.0	13.7	17.6	8.8	1.2	-5.5	..	-2.8	24.2	7.6
Burkina Faso	-22.9	-14.5	-14.1	-14.1	-13.9	-16.5	-18.1	-17.2	-17.5	-17.9	-18.9	-21.8	-19.3	-16.0
Burundi	-14.5	-18.6	-20.1	-21.0	-18.2	-14.4	-9.6	-4.2	-11.6	-9.7	-14.7	-10.2	-12.6	-14.7
Cameroon	0.8	5.4	2.2	1.1	2.6	5.0	2.0	2.9	1.5	-0.3	3.9	-2.0	0.3	2.6
Cape Verde	-75.6	-30.4	-38.0	-36.0	-40.5	-40.0	-32.2	-30.4	-35.1	-38.4	-33.8	-68.9	-35.2	-35.1
Central African Republic	-15.9	-9.8	-12.6	-8.3	-5.7	-7.3	-3.7	-5.4	-8.2	-3.4	-3.0	-12.0	-11.7	-7.3
Chad	-11.9	-12.4	-13.7	-16.0	-18.2	-12.0	-11.6	-12.5	-13.3	-14.7	-15.5	-10.3	-19.0	-14.1
Comoros	-43.2	-18.2	-23.8	-17.7	-26.9	-26.8	-24.9	-27.6	-13.7	-12.4	..	-39.8	-26.7	-21.5
Congo, Democratic Rep. of	0.1	-3.7	-0.8	2.2	2.7	4.8	6.3	1.9	..	..	..	-2.2	-0.4	1.7
Congo, Republic of	-0.1	-1.9	2.8	-5.9	-27.9	11.6	18.9	10.1	-12.9	18.5	36.8	-10.2	0.8	5.3
Côte d'Ivoire	-6.2	3.0	3.8	1.1	9.8	5.4	7.6	6.5	6.3	6.7	6.4	0.7	6.6	5.6
Djibouti	..	..	..	..	..	-16.7	-16.0	-15.1	-16.1	-14.4	-18.2	..	..	-16.1
Equatorial Guinea	..	-29.7	-34.2	-35.7	-49.0	-49.0	-82.8	-22.5	-71.7	10.3	36.5	-6.3	-28.6	-33.2
Eritrea	..	..	-36.6	-39.7	-53.1	-57.8	-60.3	-58.3	-71.7	-82.0	..	..	..	-57.4
Ethiopia	..	-7.2	-6.2	-8.6	-9.8	-8.5	-9.9	-9.1	-9.4	-14.8	-15.3	-7.4	-7.5	-9.4
Gabon	33.1	14.0	12.3	14.2	23.4	23.6	27.6	21.4	1.7	6.8	2.2	15.2	-3.4	14.8
Gambia, The	-20.9	-11.3	-12.9	-17.0	-15.3	-24.1	-15.9	-12.7	-15.6	-14.6	-13.2	-15.4	-9.5	-14.9
Ghana	-0.7	-8.6	-11.5	-16.2	-11.5	-8.4	-8.0	-20.6	-12.9	-17.3	-20.4	-0.6	-5.3	-13.1
Guinea	..	-0.1	-6.2	-6.7	-3.3	-3.8	-5.4	-2.2	-3.7	-4.6	-5.6	..	0.2	-3.8
Guinea-Bissau	-29.2	-27.8	-45.2	-23.8	-17.9	-23.5	-21.3	-18.8	-21.5	-18.0	-26.5	-27.2	-35.6	-24.7
Kenya	-11.1	-1.0	0.0	6.0	3.2	-6.2	-3.6	-7.5	-7.8	-5.7	-9.1	-4.1	-3.5	-3.4
Lesotho	-89.1	-115.1	-101.1	-100.3	-91.5	-98.9	-94.6	-85.3	-80.6	-71.0	-59.9	-94.8	-106.1	-91.3
Liberia	0.0	..	..	..	..	..	..	..	..	..	..	-0.5	7.2	..
Madagascar	-16.4	-7.5	-7.9	-8.9	-7.5	-7.3	-5.1	-8.2	-7.9	-7.9	-10.1	-8.2	-5.1	-8.1
Malawi	-14.0	-6.0	-19.2	-16.1	-32.1	-17.4	-8.6	-11.3	-7.4	-15.4	-12.0	-9.7	-7.0	-14.1
Mali	-14.4	-16.4	-17.4	-15.4	-19.9	-15.1	-15.7	-10.6	-9.7	-11.1	-15.3	-14.6	-20.0	-14.8
Mauritania	-29.8	-8.2	-14.5	-15.9	-3.8	-10.4	-12.3	-9.7	-14.0	-10.6	-15.1	-32.3	-16.2	-11.8
Mauritius	-10.3	-3.8	-3.3	-6.2	-8.9	-2.5	-0.9	-4.8	-0.9	-3.5	-3.5	-6.8	-1.1	-4.1
Mozambique	-16.5	-27.3	-32.8	-35.1	-33.7	-24.7	-22.7	-17.7	-16.1	-25.3	-24.2	-16.2	-20.5	-26.1
Namibia	12.8	-7.9	-8.1	-4.8	-2.8	-6.2	-8.0	-10.0	-11.9	-7.2	-7.2	-6.1	3.2	-7.5
Niger	-13.5	-4.7	-1.1	-2.5	-10.3	-7.2	-6.5	-7.6	-8.6	-6.4	-7.7	-9.8	-5.8	-6.3
Nigeria	10.2	5.9	1.7	-3.1	1.0	2.1	20.7	7.2	-4.5	-4.2	11.3	-0.8	2.6	4.8
Rwanda	-11.9	-10.7	-12.6	-15.4	-58.5	-20.8	-19.8	-17.7	-17.5	-16.9	-15.7	-8.0	-10.1	-19.5
São Tomé and Príncipe	-28.4	-58.6	-66.8	-66.9	-59.1	-79.5	-69.9	-65.6	-42.8	-49.3	-49.4	-21.2	-36.7	-60.5
Senegal	-16.7	-6.9	-7.4	-8.6	-6.7	-5.7	-5.7	-5.7	-5.7	-7.6	-9.0	-12.0	-8.0	-6.7
Seychelles	-11.2	-3.6	-3.6	-10.3	-4.0	-6.8	-11.3	-10.6	-15.6	-13.5	-8.0	-8.3	6.5	-8.3
Sierra Leone	-14.8	-2.4	-1.9	-4.5	-5.2	-6.7	-15.3	-1.7	-7.3	-5.7	-16.9	-11.5	-3.6	-6.2
Somalia	-55.3	..	..	..	..	..	..	..	..	..	..	-38.5	-22.9	-28.0
South Africa	8.0	5.0	4.0	3.7	2.3	0.9	1.4	1.1	1.2	2.7	3.0	3.0	7.1	2.8
Sudan	-12.6	..	..	..	..	..	-11.6	-9.4	-13.1	-7.0	0.5	-10.2	-5.0	-8.1
Swaziland	-23.8	-10.9	-22.7	-25.2	-19.6	-18.5	-24.3	-19.2	-18.7	-15.8	-15.2	-17.0	-7.3	-17.2
Tanzania	..	-23.4	-26.9	-29.7	-23.0	-17.9	-13.0	-10.0	-14.2	-12.0	-8.5	-8.5	-15.3	-18.5
Togo	-5.3	-8.1	-9.2	-7.7	-3.7	-5.0	-10.9	-15.8	-15.3	-11.2	-14.3	-8.4	-9.6	-10.3
Uganda	-6.6	-14.5	-15.5	-14.1	-10.4	-9.0	-11.5	-8.1	-9.4	-11.7	-15.6	-3.1	-6.8	-12.0
Zambia	-4.0	-2.6	-11.6	-6.8	-0.8	-3.8	-7.5	-5.2	-12.5	-18.9	-15.2	-3.4	0.3	-7.8
Zimbabwe	-3.2	-3.3	-9.3	-1.7	-1.9	-2.7	0.2	-7.0	-1.8	-0.4	-0.3	-1.5	2.1	-2.6
NORTH AFRICA	8.2	3.9	3.3	2.1	0.5	0.9	4.1	4.3	-1.2	1.0	6.6	0.6	-3.9	2.2
Algeria	4.0	5.7	2.4	-1.4	-4.6	-3.7	6.3	8.4	-1.6	3.5	20.4	-2.7	0.2	3.1
Egypt, Arab Republic	-12.4	-8.0	-2.8	-3.0	-5.2	-5.0	-5.8	-6.3	-10.1	-8.6	-6.6	-14.5	-12.9	-6.7
Libya	34.8	..	..	..	..	..	..	..	..	..	..	20.1	..	..
Morocco	-10.5	-5.7	-6.7	-6.0	-6.0	-6.7	-3.4	-3.3	-4.1	-3.8	-6.1	-13.6	-5.1	-5.2
Tunisia	-5.4	-5.0	-6.9	-7.5	-3.0	-4.1	-1.6	-2.5	-3.4	-2.2	-3.5	-7.0	-3.4	-4.2
ALL AFRICA	3.9	0.8	-0.2	-1.0	-1.0	-1.2	1.7	0.0	-3.5	-2.1	2.1	-1.5	-1.3	-0.3

Note: 2000 data are preliminary (see page 2). Since 1994, Nigeria's ratios are distorted because the official exchange rate used by the Government for oil exports and oil value added is significantly over-valued.

## 2-14. Exports of goods and nonfactor services, nominal

	Millions of U.S. dollars, current prices											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	80,843	74,117	78,305	71,741	77,486	91,272	102,568	102,640	90,135	92,646	109,582	51,811	58,494	88,036
excluding South Africa	52,682	47,191	50,555	43,738	47,424	56,622	67,312	65,530	55,703	58,967	73,134	34,228	36,056	56,133
excl. S Africa & Nigeria	32,573	37,098	36,707	33,715	37,621	44,244	50,324	49,253	45,058	46,217	51,504	25,151	30,625	42,790
Angola	..	3,690	3,976	2,849	3,465	3,852	6,226	5,257	3,700	5,337	7,959	..	2,613	4,573
Benin	222	292	241	291	302	405	349	347	399	385	334	168	227	328
Botswana	562	2,091	1,998	1,960	2,124	2,435	2,657	2,210	1,724	1,391	1,427	432	1,371	2,009
Burkina Faso	173	337	202	237	244	306	276	267	361	287	235	126	214	282
Burundi	81	116	95	88	95	129	51	96	71	62	62	86	125	87
Cameroon	1,898	2,487	2,342	2,032	1,734	2,045	2,048	2,306	2,306	2,241	2,728	1,615	2,226	2,229
Cape Verde	19	39	43	48	61	94	112	129	109	114	131	18	39	84
Central African Republic	201	176	165	182	205	229	185	196	178	117	125	145	194	180
Chad	175	224	209	195	189	321	281	286	319	242	233	143	173	248
Comoros	11	49	48	53	38	46	42	38	49	50	..	15	29	45
Congo, Democratic Rep. of	2,371	1,852	1,369	1,017	1,316	1,607	1,650	1,390	..	..	..	1,691	2,105	1,620
Congo, Republic of	1,024	1,228	1,257	849	1,115	1,366	1,737	1,661	1,264	1,704	2,526	782	996	1,474
Côte d'Ivoire	3,561	3,149	3,559	2,991	3,291	4,109	5,014	4,777	4,890	4,909	4,298	2,701	3,301	4,037
Djibouti	..	..	..	..	..	203	204	209	244	250	247	..	..	226
Equatorial Guinea	..	63	3	3	70	91	201	502	464	818	1,478	34	39	340
Eritrea	..	..	88	139	144	171	200	203	109	66	96	..	..	135
Ethiopia	..	304	251	521	489	786	787	1,011	1,034	916	984	560	640	692
Gabon	2,770	2,554	2,577	2,136	2,585	2,851	3,489	3,199	2,119	1,964	1,825	1,877	1,603	2,549
Gambia, The	103	202	219	213	159	187	185	185	213	199	208	77	117	196
Ghana	376	1,120	1,105	1,208	1,374	1,583	2,224	2,231	2,532	2,479	2,510	336	850	1,760
Guinea	..	694	637	640	763	766	734	771	770	735	795	..	660	743
Guinea-Bissau	14	26	11	21	39	30	28	56	30	56	68	12	16	35
Kenya	2,030	2,227	2,149	2,244	2,647	2,948	3,035	2,976	2,845	2,686	2,744	1,533	1,779	2,610
Lesotho	91	107	151	171	181	199	225	274	239	216	256	55	70	193
Liberia	614	..	..	..	..	..	..	..	..	..	..	508	466	..
Madagascar	539	480	496	516	656	762	795	774	801	921	990	415	406	700
Malawi	307	513	418	334	350	424	518	586	578	489	445	258	293	464
Mali	263	442	439	424	406	521	525	646	636	640	575	175	290	515
Mauritania	261	498	448	413	431	525	506	430	399	370	387	255	455	443
Mauritius	579	1,780	1,912	1,899	2,018	2,370	2,801	2,581	2,739	2,743	2,783	471	1,092	2,305
Mozambique	383	274	257	262	304	351	339	377	402	455	578	275	155	346
Namibia	1,662	1,285	1,438	1,477	1,577	1,734	1,766	1,728	1,566	1,702	1,704	1,175	1,047	1,560
Niger	617	327	393	251	258	323	337	303	369	322	282	397	385	322
Nigeria	18,859	10,165	13,816	10,062	9,881	12,449	16,995	16,286	10,776	12,832	21,499	8,898	5,563	13,375
Rwanda	168	140	113	102	47	67	83	144	110	110	149	144	179	110
São Tomé and Príncipe	10	11	10	11	12	9	11	12	12	16	16	9	11	12
Senegal	803	1,358	1,404	1,204	1,272	1,544	1,588	1,488	1,538	1,443	1,335	775	1,035	1,420
Seychelles	100	219	243	257	250	271	315	370	400	455	488	77	157	318
Sierra Leone	276	213	215	187	166	163	164	112	95	95	110	203	175	158
Somalia	200	..	..	..	..	..	..	..	..	..	..	142	64	90
South Africa	28,267	26,997	27,844	28,025	30,090	34,702	35,307	36,549	34,403	33,699	36,572	17,752	22,450	31,956
Sudan	806	..	..	..	..	..	672	624	612	814	1,928	782	838	930
Swaziland	404	670	718	745	807	970	935	1,037	1,038	993	888	290	396	858
Tanzania	..	509	573	766	930	1,089	1,142	1,274	1,101	1,210	1,325	581	395	950
Togo	580	536	456	301	300	425	488	434	471	455	433	401	498	440
Uganda	242	248	250	227	349	679	724	826	697	726	626	563	483	515
Zambia	1,608	1,169	1,158	1,099	1,205	1,252	1,024	1,178	865	701	890	1,138	946	1,066
Zimbabwe	1,561	2,064	1,838	2,016	2,384	2,721	3,116	3,227	2,911	2,537	2,245	1,211	1,631	2,461
NORTH AFRICA	47,051	48,585	51,289	50,307	49,746	57,218	62,364	64,478	58,396	63,127	78,499	31,418	33,263	57,483
Algeria	14,541	13,311	12,154	10,880	9,966	11,325	14,148	14,665	10,829	13,259	22,579	10,590	10,182	13,424
Egypt, Arab Republic	6,992	10,284	12,150	13,071	11,904	13,506	13,650	14,779	13,442	13,500	15,940	5,294	6,161	12,807
Libya	23,523	..	..	..	..	..	..	..	..	..	..	13,757	..	..
Morocco	3,273	6,712	7,134	6,986	7,555	9,045	9,629	9,510	9,971	10,624	10,409	2,580	4,515	8,582
Tunisia	3,518	5,278	6,127	5,909	7,610	8,031	8,249	8,271	8,529	8,852	8,566	2,441	3,504	7,289
ALL AFRICA	123,620	120,128	126,882	118,935	124,740	145,817	162,230	163,353	145,464	152,036	182,940	80,557	90,683	142,473

Note: 2000 data are preliminary (see page 2).



## 2-15. Imports of goods and nonfactor services, nominal

	Millions of U.S. dollars, current prices										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	73,305	73,405	81,593	76,494	80,498	96,253	98,713	107,107	103,261	102,458	108,706	54,960	57,366	91,022
excluding South Africa	51,604	52,679	59,363	53,513	53,696	63,018	65,420	72,291	70,487	72,484	75,996	39,318	40,465	62,828
excl. S.Africa & Nigeria	39,175	44,226	46,032	42,780	44,093	51,183	55,768	58,620	58,294	58,165	59,055	30,199	35,730	51,117
Angola	..	3,299	4,088	2,915	3,079	3,964	5,222	5,310	4,836	5,879	6,551	..	1,895	4,299
Benin	524	528	464	591	448	664	652	623	642	688	627	373	439	583
Botswana	589	1,805	1,724	1,562	1,597	1,765	1,792	1,766	1,665	1,670	1,726	439	876	1,724
Burkina Faso	564	743	483	540	488	666	725	660	798	729	649	413	596	654
Burundi	214	333	312	285	263	273	137	136	174	131	162	175	267	229
Cameroon	1,847	1,820	2,087	1,904	1,532	1,646	1,867	2,041	2,176	2,268	2,383	1,696	2,209	1,969
Cape Verde	100	146	192	179	227	290	273	283	298	340	319	77	113	245
Central African Republic	327	314	346	290	253	311	225	250	264	153	154	220	327	270
Chad	298	458	467	429	403	493	467	475	544	473	451	240	404	469
Comoros	64	94	111	99	88	103	95	91	79	78	..	60	75	93
Congo, Democratic Rep. of	2,353	2,192	1,438	818	1,157	1,339	1,281	1,282	..	..	..	1,916	2,141	1,530
Congo, Republic of	1,026	1,280	1,176	962	1,609	1,074	1,257	1,427	1,515	1,269	1,345	872	963	1,291
Côte d'Ivoire	4,190	2,832	3,136	2,874	2,538	3,570	4,188	4,086	4,169	4,161	3,698	2,714	2,742	3,471
Djibouti	..	..	..	..	..	286	282	285	327	327	347	..	..	309
Equatorial Guinea	..	102	56	57	132	171	416	614	791	729	909	49	72	370
Eritrea	..	..	248	301	415	503	580	585	597	598	524	..	..	484
Ethiopia	..	686	595	1,059	969	1,276	1,382	1,589	1,648	1,877	1,961	973	1,191	1,263
Gabon	1,354	1,798	1,890	1,513	1,603	1,679	1,904	2,037	2,041	1,669	1,718	1,338	1,717	1,790
Gambia, The	153	237	263	275	214	279	248	237	278	262	265	108	140	253
Ghana	407	1,685	1,845	2,172	2,000	2,126	2,776	3,648	3,493	3,826	3,551	360	1,124	2,604
Guinea	..	697	841	860	875	906	942	855	903	895	967	..	658	873
Guinea-Bissau	46	97	113	77	81	89	86	107	74	96	125	48	75	94
Kenya	2,837	2,307	2,152	1,943	2,420	3,512	3,366	3,770	3,739	3,289	3,690	1,791	2,063	2,986
Lesotho	475	883	982	989	946	1,121	1,117	1,147	956	864	794	371	508	959
Liberia	614	..	..	..	..	..	..	..	..	..	..	514	387	..
Madagascar	1,202	681	733	817	878	994	997	1,064	1,097	1,215	1,398	691	542	974
Malawi	480	646	764	667	730	672	727	873	706	768	649	352	392	712
Mali	520	838	935	836	756	894	936	910	888	925	927	364	635	878
Mauritania	473	591	620	563	470	636	643	536	539	471	528	463	591	565
Mauritius	695	1,887	2,017	2,098	2,330	2,468	2,839	2,780	2,773	2,893	2,937	541	1,122	2,449
Mozambique	965	941	865	958	1,038	922	985	979	1,027	1,465	1,499	836	711	1,052
Namibia	1,367	1,499	1,684	1,614	1,669	1,950	2,046	2,092	1,972	1,952	1,955	1,287	999	1,803
Niger	957	436	418	291	420	457	466	444	547	452	422	569	495	445
Nigeria	12,324	8,559	13,248	10,719	9,646	11,858	9,688	13,677	12,236	14,304	16,861	8,996	4,898	11,727
Rwanda	307	345	372	404	488	334	362	475	464	437	432	237	397	407
São Tomé and Príncipe	24	44	41	42	41	46	42	41	30	40	39	19	30	41
Senegal	1,302	1,740	1,851	1,668	1,515	1,797	1,852	1,737	1,804	1,803	1,729	1,070	1,340	1,748
Seychelles	117	233	259	306	270	306	377	432	494	538	537	89	141	363
Sierra Leone	449	232	228	222	213	228	303	128	143	135	212	319	215	206
Somalia	534	..	..	..	..	..	..	..	..	..	..	400	296	346
South Africa	21,838	21,014	22,585	23,232	26,965	33,385	33,340	34,879	32,855	30,122	32,842	15,866	17,053	28,373
Sudan	1,763	..	..	..	..	..	1,629	1,620	1,968	1,520	1,870	1,606	1,637	1,721
Swaziland	543	767	939	1,001	1,023	1,211	1,248	1,304	1,284	1,204	1,094	377	422	1,065
Tanzania	..	1,667	1,811	2,031	1,968	2,029	1,986	2,040	2,319	2,225	2,094	1,058	1,061	1,979
Togo	640	665	612	396	337	490	647	672	687	615	608	471	609	588
Uganda	324	729	694	682	763	1,199	1,417	1,335	1,335	1,479	1,587	625	873	1,096
Zambia	1,764	1,258	1,527	1,322	1,232	1,383	1,271	1,381	1,268	1,287	1,333	1,249	941	1,315
Zimbabwe	1,771	2,348	2,463	2,130	2,516	2,912	3,099	3,829	3,027	2,560	2,266	1,342	1,481	2,650
NORTH AFRICA	36,840	43,113	46,264	46,963	48,941	55,715	54,331	55,849	60,921	60,884	63,014	30,264	38,900	53,256
Algeria	12,847	10,789	11,458	11,557	11,940	12,855	11,204	10,636	11,592	11,571	11,709	11,053	14,352	11,889
Egypt, Arab Republic	9,822	13,234	13,325	14,488	14,604	16,544	17,562	19,528	21,812	21,144	22,457	8,159	10,934	17,164
Libya	11,167	..	..	..	..	..	..	..	..	..	..	8,634	..	..
Morocco	5,247	8,285	9,043	8,594	9,377	11,243	10,862	10,627	11,426	11,959	12,458	4,374	5,397	10,204
Tunisia	3,987	5,926	7,201	7,007	7,480	8,766	8,553	8,735	9,194	9,317	9,257	2,950	3,813	7,969
ALL AFRICA	108,465	116,375	127,797	123,181	129,177	151,827	153,081	163,220	163,978	163,111	171,578	84,199	95,824	144,121

Note: 2000 data are preliminary (see page 2)

## 2-16. Exports of goods and nonfactor services, real

	Millions of U.S. dollars, constant 1995 prices											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	65,757	76,150	78,438	79,120	84,378	91,088	100,918	104,662	107,012	108,100	112,295	0.9	2.7	4.4
excluding South Africa	41,739	48,175	49,758	49,024	52,994	56,437	63,074	64,714	66,194	66,757	67,453	1.1	2.7	4.1
excl. S Africa & Nigeria	28,145	38,249	39,502	39,171	42,435	44,058	49,239	50,718	51,422	53,967	54,893	2.3	2.8	4.0
Angola	1,990	2,074	4,472	2,671	3,920	3,852	4,617	4,141	3,078	3,130	2,914	..	1.1	2.9
Benin	502	383	451	446	425	405	398	430	430	482	521	4.0	-7.9	3.4
Botswana	..	2,295	2,140	2,112	2,253	2,435	2,835	2,785	2,610	2,448	2,446	..	10.7	1.8
Burkina Faso	335	387	333	398	287	306	290	307	440	388	347	4.7	-0.2	0.9
Burundi	51	114	146	131	101	129	82	159	153	208	274	4.7	0.2	8.0
Cameroon	1,337	2,363	2,489	2,078	1,976	2,045	2,270	2,590	2,878	3,249	3,090	14.0	-1.5	2.0
Cape Verde	31	47	47	57	68	94	113	137	117	121	157	11.5	-5.0	12.5
Central African Republic	144	123	108	126	239	229	211	293	312	241	309	-0.4	0.0	10.7
Chad	190	246	237	253	258	321	255	289	303	255	289	-0.3	5.2	0.9
Comoros	8	37	33	44	40	46	49	53	67	53	52	..	10.2	8.4
Congo, Democratic Rep. of	1,788	2,719	1,584	1,443	1,335	1,607	1,855	1,633	1,866	..	..	4.2	1.0	-7.0
Congo, Republic of	784	1,141	1,215	1,219	1,329	1,366	1,557	1,766	1,911	1,924	2,099	10.1	2.2	5.0
Côte d'Ivoire	3,073	3,796	3,787	3,386	4,093	4,109	5,031	5,262	5,215	5,304	5,203	8.5	0.7	3.9
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	39	2	2	80	91	164	365	449	520	641	..	-1.8	51.4
Eritrea	..	..	105	173	158	171	192	195	104	64	93	..	..	-6.7
Ethiopia	..	619	329	605	708	786	900	1,225	1,106	1,077	1,331	..	1.6	7.1
Gabon	1,593	2,415	2,477	2,787	2,913	2,851	2,969	3,060	2,889	2,698	2,602	0.7	0.4	2.1
Gambia, The	127	226	231	219	165	187	184	185	219	210	231	7.3	-3.6	0.4
Ghana	961	1,237	1,271	1,488	1,542	1,583	2,256	2,345	2,596	2,910	2,844	-9.4	11.3	10.6
Guinea	..	690	643	652	673	766	791	818	923	953	981	..	6.6	4.2
Guinea-Bissau	24	25	13	19	38	30	28	55	35	70	93	-1.8	5.8	16.0
Kenya	1,562	2,475	2,456	3,230	3,193	2,948	3,083	2,637	2,501	2,818	3,060	-0.2	5.6	2.0
Lesotho	86	132	160	184	193	199	245	290	262	301	377	9.9	12.3	10.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	843	696	671	708	778	762	733	808	825	981	1,134	-4.1	0.3	4.6
Malawi	353	419	407	386	426	424	494	533	649	527	499	2.7	-1.7	4.5
Mali	243	416	444	458	490	521	536	777	758	866	835	8.9	2.7	9.1
Mauritania	366	452	371	323	456	525	522	427	447	469	481	5.8	-0.3	0.8
Mauritius	802	1,930	1,996	2,156	2,220	2,370	2,658	2,764	3,007	3,132	3,304	3.8	15.5	6.3
Mozambique	314	219	261	284	324	351	437	484	535	623	632	..	2.7	14.0
Namibia	1,239	1,389	1,477	1,635	1,583	1,734	1,782	1,733	1,729	1,972	2,175	..	2.5	5.2
Niger	388	312	356	326	291	323	382	376	439	394	396	-1.3	-1.3	2.6
Nigeria	12,962	10,005	10,337	9,940	10,656	12,449	13,913	14,082	14,846	13,004	12,800	-2.9	2.3	4.4
Rwanda	175	199	182	158	61	67	95	123	126	144	166	6.5	1.8	-4.6
São Tomé and Príncipe	..	12	12	11	11	9	8	10	12	16	17	..	13.6	2.4
Senegal	956	1,493	1,386	1,353	1,378	1,544	1,568	1,589	1,681	1,782	1,968	0.5	2.8	2.6
Seychelles	..	318	300	318	339	271	339	373	345	506	563	..	21.7	4.8
Sierra Leone	378	412	388	336	256	163	239	149	157	147	179	-11.1	-2.5	-9.7
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	24,198	28,039	28,749	30,141	31,447	34,702	37,913	40,004	40,876	41,395	44,802	0.7	2.8	5.0
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	385	878	874	892	919	970	983	1,052	1,143	1,117	1,011	2.7	19.0	2.7
Tanzania	..	461	567	736	821	1,089	1,094	822	903	1,070	1,267	..	..	9.5
Togo	532	461	370	359	352	425	504	465	460	454	456	4.6	4.2	0.7
Uganda	..	363	420	401	528	679	863	1,118	952	1,250	1,241	..	1.2	14.3
Zambia	1,787	1,286	1,333	1,379	1,500	1,252	1,336	1,593	1,671	1,754	1,841	-2.9	-2.9	3.3
Zimbabwe	965	1,714	1,790	2,069	2,457	2,721	2,831	2,999	3,596	3,785	3,158	5.4	5.5	9.3
<b>NORTH AFRICA</b>	28,716	48,306	51,984	53,738	54,440	57,218	58,900	62,473	63,425	67,488	72,483	3.8	6.5	4.1
Algeria	7,239	10,821	11,243	11,029	10,654	11,325	12,175	12,942	13,162	13,951	14,984	1.9	3.0	3.0
Egypt, Arab Republic	6,537	10,830	12,228	13,113	12,477	13,506	13,718	14,051	13,547	14,472	15,961	5.5	7.1	3.8
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	3,401	7,474	7,846	8,232	8,846	9,045	9,271	9,983	10,576	11,404	11,909	4.1	8.2	5.4
Tunisia	3,855	6,255	6,757	6,985	7,895	8,031	7,975	8,780	9,169	9,602	10,233	5.6	10.5	5.0
<b>ALL AFRICA</b>	94,767	122,117	127,589	129,752	136,053	145,618	157,697	164,671	168,003	172,511	181,152	1.7	3.8	4.3

Note: 2000 data are preliminary (see page 2).

## 2-17. Imports of goods and nonfactor services, real

	Millions of U.S. dollars, constant 1995 prices											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	94,321	78,473	81,940	82,187	86,405	96,248	102,815	110,654	112,035	114,822	121,905	1.6	-0.9	4.8
excluding South Africa	72,590	57,242	59,561	57,891	58,059	63,035	66,679	72,609	73,548	79,451	83,897	3.1	-2.2	3.9
excl S Africa & Nigeria	43,000	45,856	47,934	46,429	47,458	51,203	54,283	58,584	60,016	63,830	65,650	.	2.2	3.6
Angola	2,359	1,715	4,460	2,427	3,438	3,964	3,948	4,125	2,598	4,372	5,138		-3.6	7.4
Benin	965	612	695	700	479	664	656	689	736	748	803	2.8	-6.0	3.6
Botswana	..	2,046	1,885	1,716	1,705	1,765	1,927	1,945	1,971	2,044	2,208	..	14.0	0.0
Burkina Faso	547	740	706	763	545	666	709	702	928	849	732	3.2	4.3	2.0
Burundi	190	274	287	313	294	273	162	152	275	311	436	8.4	-4.1	1.6
Cameroon	1,207	1,960	1,580	1,593	1,628	1,646	1,891	2,203	2,493	2,566	2,976	10.5	-3.7	4.5
Cape Verde	160	176	214	210	252	290	277	301	319	362	383	11.9	-3.1	7.4
Central African Republic	319	306	329	286	305	311	222	292	298	175	198	3.0	2.8	-3.6
Chad	379	592	584	559	460	493	424	480	451	413	446	-4.0	7.9	-4.1
Comoros	102	106	121	115	98	103	99	102	100	101	103	..	-3.2	-0.8
Congo, Democratic Rep. of	1,872	3,274	2,021	1,312	980	1,339	1,265	1,234	1,349	..	..	4.3	9.5	-13.9
Congo, Republic of	938	1,039	926	1,166	1,334	1,074	1,324	1,535	1,633	1,372	1,609	8.0	-11.9	5.4
Côte d'Ivoire	4,160	3,013	3,089	3,030	3,077	3,570	3,927	4,202	4,147	4,267	4,310	3.2	-0.1	4.1
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	59	31	37	151	171	340	447	767	987	1,063	..	12.6	39.0
Eritrea	..	..	277	338	449	503	522	542	549	549	459	..	..	6.8
Ethiopia	..	1,250	1,088	1,333	1,174	1,276	1,314	1,556	1,710	2,024	2,152	..	3.0	4.8
Gabon	1,900	1,939	1,960	2,048	1,723	1,679	1,918	2,295	2,297	1,920	1,964	4.0	-9.2	0.3
Gambia, The	342	266	278	283	223	279	247	237	286	277	295	5.3	-1.0	1.4
Ghana	1,994	1,790	1,909	2,231	2,022	2,126	2,777	3,824	4,132	4,584	3,791	-9.8	9.9	10.8
Guinea	..	901	879	837	858	906	881	883	959	993	1,042	..	4.9	1.5
Guinea-Bissau	98	117	130	98	96	89	84	104	79	108	154	0.1	-5.9	-0.5
Kenya	2,115	1,958	1,912	2,558	2,989	3,512	3,576	3,670	3,472	3,292	3,887	-3.9	9.4	7.3
Lesotho	592	948	983	1,047	1,018	1,121	1,207	1,220	1,082	962	903	7.7	4.1	1.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	1,895	822	843	962	972	994	1,002	1,127	1,145	1,316	1,596	-3.2	-5.1	5.1
Malawi	854	787	904	834	757	672	737	884	775	835	684	-2.1	2.2	-0.5
Mali	506	907	971	895	835	894	963	1,062	1,069	1,060	1,187	7.0	2.6	2.7
Mauritania	471	547	553	517	473	636	609	538	612	605	682	2.9	-3.4	1.6
Mauritius	952	2,188	2,252	2,416	2,546	2,468	2,717	3,005	3,228	3,329	3,351	-1.1	20.6	4.9
Mozambique	1,253	884	822	926	1,194	922	983	951	1,049	1,503	1,488	..	1.2	4.3
Namibia	1,535	1,651	1,740	1,722	1,787	1,950	2,256	2,334	2,514	2,516	2,643	..	4.0	5.3
Niger	1,151	521	447	453	465	457	461	452	529	428	426	4.9	-3.1	-3.0
Nigeria	27,928	11,378	11,631	11,458	10,640	11,858	12,430	14,036	13,575	15,597	18,099	5.8	-15.1	4.9
Rwanda	175	381	392	456	515	334	352	503	544	485	461	10.4	-0.1	6.2
São Tomé and Príncipe	..	50	45	47	43	46	41	43	35	44	43	..	5.3	-1.9
Senegal	1,548	1,826	1,901	1,816	1,736	1,797	1,851	1,891	2,096	2,188	2,306	2.3	1.3	1.6
Seychelles	..	222	249	325	279	306	390	442	573	633	634	..	14.2	11.9
Sierra Leone	448	267	243	236	226	228	314	121	170	161	249	-7.8	4.3	-4.4
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	22,394	21,597	22,752	24,599	28,557	33,385	36,294	38,248	38,694	35,814	38,453	-1.4	2.8	6.7
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	489	1,005	1,142	1,198	1,165	1,211	1,312	1,323	1,414	1,355	1,246	9.6	8.0	4.2
Tanzania	..	1,719	1,793	1,999	1,911	2,029	1,866	1,339	1,365	1,483	1,485	..	..	-1.8
Togo	702	724	635	430	378	490	624	717	770	704	668	6.0	5.7	-0.1
Uganda	..	727	716	692	772	1,199	1,355	1,382	1,425	2,105	2,238	..	7.3	11.6
Zambia	2,287	1,108	1,166	1,080	1,217	1,383	1,322	1,385	1,449	1,473	1,578	-10.7	3.8	1.8
Zimbabwe	960	1,977	2,477	2,200	2,613	2,912	2,826	3,537	3,746	3,833	3,007	3.7	3.1	8.8
<b>NORTH AFRICA</b>	52,209	49,001	51,050	51,292	52,529	55,715	53,159	55,918	61,853	63,302	67,201	4.9	-5.1	2.5
Algeria	18,603	12,171	12,731	11,878	12,603	12,855	11,145	11,413	12,246	12,454	13,326	5.1	-10.1	-1.6
Egypt, Arab Republic	16,885	14,948	14,253	15,385	15,675	16,544	16,801	17,123	18,494	18,804	19,270	4.5	-5.9	2.9
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	5,495	9,177	10,289	10,004	9,802	11,243	10,687	11,800	14,334	14,804	15,955	2.7	6.1	6.2
Tunisia	5,316	7,157	7,998	8,217	8,504	8,766	8,507	9,252	9,777	10,074	11,043	8.5	2.9	3.9
<b>ALL AFRICA</b>	146,278	127,143	132,652	133,134	138,658	151,825	156,215	166,910	173,911	178,152	189,137	2.8	-2.5	4.0

Note: 2000 data are preliminary (see page 2).

## 2-18. GDP growth

	Percent annual change										Average annual percentage growth			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	5.7	0.4	-1.1	0.7	2.2	4.1	4.7	3.3	2.3	2.4	3.1	2.2	2.3	2.3
excluding South Africa	1.5	1.9	-0.2	0.2	1.3	5.0	5.3	4.1	3.8	2.9	3.0	1.9	3.3	2.8
excl S Africa & Nigeria	0.7	1.3	-0.8	-0.3	1.6	5.5	5.5	4.4	4.2	3.3	2.9	2.5	3.0	2.8
Angola	..	0.7	-5.1	-23.8	1.4	10.3	10.0	6.2	6.9	3.4	2.1	..	4.5	0.7
Benin	6.8	4.7	4.0	3.5	4.4	4.6	5.5	5.7	4.6	4.7	5.8	3.8	1.5	4.6
Botswana	11.7	7.5	3.0	2.0	3.6	5.1	6.9	4.0	6.0	5.9	3.4	11.5	10.6	4.8
Burkina Faso	0.8	10.0	2.5	4.9	1.4	4.5	7.5	4.8	6.4	6.3	2.2	3.6	4.4	4.7
Burundi	1.0	5.0	0.7	-5.7	-3.9	-7.3	-8.4	0.4	4.8	-1.0	-0.9	3.8	5.1	-2.2
Cameroon	-2.0	-3.8	-3.1	-3.2	-2.5	3.3	5.0	5.1	5.0	4.4	4.2	8.5	-0.1	1.0
Cape Verde	37.7	1.4	3.3	7.1	6.9	7.5	4.0	5.4	7.4	8.6	6.8	13.8	4.5	5.6
Central African Republic	-4.5	-0.6	-6.4	0.3	4.9	7.2	-4.0	5.3	4.7	3.4	2.5	0.4	0.7	1.6
Chad	-6.0	8.5	8.0	-15.7	10.1	0.8	2.4	4.3	7.3	1.0	0.6	-1.3	5.4	2.1
Comoros	..	-5.4	8.5	3.0	-5.3	-3.9	-0.1	0.5	1.2	1.9	-1.1	..	1.3	0.0
Congo, Democratic Rep. of	2.2	-8.4	-10.5	-13.5	-3.9	0.7	-0.9	-5.7	3.0	..	..	-0.3	1.7	-5.6
Congo, Republic of	17.6	2.4	2.6	-1.0	-5.5	4.0	-4.3	-2.4	3.7	-3.2	7.9	9.2	-1.0	-0.3
Côte d'Ivoire	-11.0	0.0	-0.2	-0.2	2.0	7.0	6.9	6.0	5.8	1.6	-2.3	2.2	2.0	3.1
Djibouti	..	0.5	-0.2	-3.9	-2.9	-2.3	-3.3	-0.6	0.5	2.2	0.7	..	..	-1.4
Equatorial Guinea	..	-1.1	10.7	6.3	5.1	14.3	29.1	71.2	21.9	41.4	16.9	..	1.4	19.7
Eritrea	..	..	..	-2.5	9.8	2.9	6.8	7.9	3.9	0.8	-8.2	..	..	3.9
Ethiopia	..	-4.7	-5.1	13.4	3.5	6.1	10.6	5.2	-1.2	6.3	5.4	..	2.9	4.2
Gabon	2.6	6.1	-3.3	2.4	3.4	7.0	5.2	5.8	2.1	-6.2	2.0	-0.2	-1.4	2.9
Gambia, The	6.3	3.1	3.4	3.0	0.2	0.9	2.2	4.9	4.9	6.4	5.6	4.3	3.3	3.1
Ghana	0.5	5.3	3.9	4.8	3.4	4.0	4.6	4.2	4.7	4.4	3.7	-1.1	5.2	4.3
Guinea	..	0.8	2.9	4.2	6.3	4.4	4.6	4.8	4.6	3.6	2.0	..	4.7	4.2
Guinea-Bissau	-16.0	5.1	1.1	2.1	3.2	4.4	11.6	6.5	-28.1	7.8	7.5	2.1	3.1	1.6
Kenya	5.6	1.4	-0.8	0.4	2.6	4.4	4.1	2.1	1.6	1.3	-0.2	4.7	5.9	2.1
Lesotho	-2.7	3.9	4.6	3.5	3.4	4.4	10.0	8.1	-4.6	2.2	3.8	5.2	5.3	4.2
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	0.8	-6.3	1.2	2.1	0.0	1.7	2.1	3.7	3.9	4.7	4.8	-0.2	2.3	1.8
Malawi	0.4	8.7	-7.3	9.7	-10.2	16.7	7.3	3.8	3.3	4.0	1.7	3.2	1.9	3.7
Mali	-4.3	1.6	8.3	-2.1	0.9	6.2	3.2	6.8	3.4	6.1	4.5	2.3	0.8	3.5
Mauritania	3.4	2.6	1.7	5.5	4.6	4.6	5.5	3.2	3.7	4.1	5.2	1.6	3.3	3.9
Mauritius	-10.1	4.3	6.2	5.4	4.1	4.7	5.7	5.9	5.9	3.3	8.0	3.6	7.7	5.3
Mozambique	..	4.9	-8.1	8.7	7.5	4.3	7.1	11.0	12.6	7.5	1.6	..	6.0	5.8
Namibia	..	8.4	7.0	-1.6	7.3	4.1	3.2	4.5	3.3	4.3	3.9	..	2.5	4.2
Niger	-2.2	2.5	-6.5	1.4	4.0	2.6	3.4	2.8	10.4	-0.6	0.1	2.0	4.2	2.1
Nigeria	4.2	4.8	2.9	2.2	0.1	2.5	4.3	2.7	1.9	1.1	3.8	-0.7	5.0	2.7
Rwanda	9.0	-2.5	5.9	-8.3	-50.2	34.4	15.8	12.8	9.5	5.9	5.6	6.8	2.9	-0.9
São Tomé and Príncipe	..	2.2	0.7	1.1	2.2	2.0	1.5	1.0	2.5	2.5	2.9	..	1.8	1.7
Senegal	-3.3	-0.4	2.2	-2.2	2.9	5.2	5.1	5.2	5.7	5.1	5.6	2.1	3.5	3.4
Seychelles	-4.2	2.8	7.2	6.2	-0.8	-0.6	4.7	5.3	3.4	-3.0	1.2	3.6	5.2	3.0
Sierra Leone	4.8	-8.0	-9.6	0.1	6.7	-10.6	1.7	-17.0	2.8	-11.3	7.0	2.3	1.8	-4.1
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	9.2	-1.0	-2.1	1.2	3.2	3.1	4.2	2.5	0.7	1.9	3.1	2.4	1.4	1.7
Sudan	1.5	6.0	4.9	4.3	4.0	25.2	4.0	9.7	6.1	5.2	8.3	2.6	0.9	7.6
Swaziland	10.7	4.0	1.3	2.9	3.4	3.7	3.9	3.8	3.4	3.5	2.6	3.2	9.7	3.4
Tanzania	..	2.1	0.6	1.2	1.6	3.6	4.6	3.5	3.7	3.6	5.1	..	..	3.0
Togo	14.6	-0.7	-4.0	-15.1	15.0	7.8	8.8	4.3	-2.1	2.4	-0.7	2.1	3.4	1.8
Uganda	..	5.6	3.4	8.3	6.4	11.5	9.1	4.7	5.6	7.5	3.5	..	3.4	6.9
Zambia	3.0	0.0	-1.7	6.8	-8.7	-2.5	6.6	3.3	-1.9	2.0	3.5	0.2	2.3	0.4
Zimbabwe	14.4	5.5	-9.0	1.1	9.2	0.2	10.4	2.7	2.9	-0.7	-4.9	3.0	4.2	2.5
NORTH AFRICA	5.0	2.0	2.0	0.5	3.9	1.5	6.6	2.6	5.8	4.0	3.5	6.0	3.0	3.2
Algeria	0.8	-1.2	1.8	-2.1	-0.9	3.8	4.1	1.1	5.1	3.2	2.4	5.5	0.8	1.6
Egypt, Arab Republic	10.0	1.1	4.4	2.9	3.9	4.7	5.0	5.5	5.6	6.0	5.1	8.3	4.1	4.5
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	3.6	6.9	-4.0	-1.0	10.4	-6.6	12.2	-2.2	7.7	0.0	0.9	4.1	4.7	2.4
Tunisia	7.4	3.9	7.8	2.2	3.3	2.3	7.1	5.4	4.8	6.1	4.7	5.3	2.4	4.8
ALL AFRICA	5.5	1.0	-0.1	0.6	2.8	3.2	5.3	3.1	3.5	2.9	3.2	3.3	2.5	2.6

Note: 2000 data are preliminary (see page 2).

## 2-19. Gross national income (GNI) per capita

	U.S. dollars, Atlas method											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	665	552	551	531	511	521	537	543	508	487	474	544	513	524
excluding South Africa	528	370	349	317	285	286	304	319	311	302	299	427	373	320
excl S Africa & Nigeria	448	395	366	338	303	306	318	331	323	315	309	371	393	318
Angola	..	920	530	350	210	230	290	350	300	220	240	..	853	406
Benin	410	380	370	380	340	350	350	380	380	380	380	313	326	368
Botswana	1,190	3,080	3,280	3,350	3,020	3,330	3,440	3,250	3,250	3,040	3,300	980	1,598	3,188
Burkina Faso	260	320	290	240	210	220	240	240	240	240	230	198	242	251
Burundi	220	220	210	180	160	150	140	140	140	120	110	186	246	163
Cameroon	630	910	920	900	730	660	620	620	610	600	570	602	996	737
Cape Verde	..	1,000	1,100	1,110	1,150	1,210	1,270	1,290	1,290	1,330	1,330	..	940	1,187
Central African Republic	340	470	460	440	360	350	300	310	300	290	290	271	392	367
Chad	240	310	350	260	230	210	210	220	220	210	200	221	238	245
Comoros	..	530	620	610	490	440	410	400	390	390	380	327	420	473
Congo, Democratic Rep. of	620	210	210	180	150	130	110	100	100	..	..	479	238	157
Congo, Republic of	880	1,020	1,120	900	720	510	460	500	650	520	630	833	1,044	728
Côte d'Ivoire	1,140	760	790	740	660	650	660	700	690	670	660	857	792	705
Djibouti	..	..	..	..	..	..	..	820	790	810	840	..	..	815
Equatorial Guinea	..	340	400	420	370	390	430	860	1,060	1,170	..	..	337	579
Eritrea	..	..	..	..	180	180	200	230	210	200	170	..	..	196
Ethiopia	..	120	110	120	110	110	110	110	100	100	100	135	162	114
Gabon	4,830	5,100	5,030	4,460	4,060	3,860	4,060	4,340	3,940	3,280	3,180	4,338	3,988	4,189
Gambia, The	380	330	350	350	340	350	340	340	340	330	330	296	284	338
Ghana	430	410	430	410	370	370	380	390	390	400	350	355	404	390
Guinea	..	470	510	540	560	560	570	560	520	490	450	..	445	517
Guinea-Bissau	140	250	240	230	220	220	230	230	160	170	180	178	184	214
Kenya	450	340	330	250	240	260	320	350	350	360	360	341	364	321
Lesotho	490	590	650	680	680	690	710	690	620	570	540	437	470	637
Liberia	620	..	..	..	..	..	..	..	..	..	..	522	470	..
Madagascar	450	220	240	240	240	240	250	250	260	250	260	352	270	245
Malawi	190	230	210	230	160	160	180	210	220	200	170	162	164	196
Mali	270	270	320	300	250	250	240	260	250	240	240	201	226	263
Mauritania	460	500	520	490	470	450	460	440	410	390	370	404	492	458
Mauritius	1,240	2,610	2,960	3,080	3,180	3,420	3,720	3,800	3,590	3,540	3,800	1,071	1,648	3,285
Mozambique	..	170	140	130	130	140	150	180	200	220	210	240	246	167
Namibia	..	2,070	2,190	2,100	2,220	2,370	2,350	2,340	2,200	2,100	2,050	1,693	1,464	2,175
Niger	440	300	290	240	210	190	200	200	200	190	180	318	288	228
Nigeria	780	270	290	240	220	210	250	270	260	250	260	601	292	254
Rwanda	250	320	310	260	140	190	200	220	230	240	230	207	330	246
São Tomé and Príncipe	..	430	410	370	350	340	320	290	270	270	290	..	495	343
Senegal	530	710	780	710	590	550	530	530	510	500	500	436	558	603
Seychelles	2,080	5,240	5,930	6,330	6,440	6,460	6,940	7,400	7,280	7,010	7,310	1,644	3,352	6,492
Sierra Leone	370	200	150	160	170	180	200	160	150	130	130	314	296	172
Somalia	110	..	..	..	..	..	..	..	..	..	..	133	138	120
South Africa	2,540	3,050	3,320	3,460	3,610	3,740	3,770	3,690	3,310	3,160	3,020	2,131	2,374	3,365
Sudan	480	560	350	300	270	..	..	..	290	310	320	427	648	378
Swaziland	970	1,210	1,290	1,250	1,220	1,400	1,490	1,580	1,330	1,330	1,290	816	870	1,327
Tanzania	..	180	170	170	160	160	190	210	240	260	280	..	..	201
Togo	430	430	440	350	320	310	320	350	320	310	300	324	340	353
Uganda	..	260	200	190	200	250	290	320	310	320	310	180	328	272
Zambia	630	400	370	380	350	350	360	370	330	320	300	562	330	362
Zimbabwe	970	920	750	680	650	630	710	720	640	530	480	869	806	694
NORTH AFRICA	1,316	1,305	1,319	1,261	1,305	1,337	1,433	1,482	1,526	1,564	1,630	1,078	1,381	1,414
Algeria	2,080	2,040	1,980	1,790	1,700	1,610	1,540	1,530	1,560	1,540	1,590	1,772	2,670	1,753
Egypt, Arab Republic	530	780	800	800	870	990	1,100	1,200	1,280	1,380	1,490	483	772	1,045
Libya	10,460	..	..	..	..	..	..	..	..	..	..	7,927	6,034	..
Morocco	970	1,100	1,100	1,060	1,170	1,120	1,300	1,250	1,250	1,190	1,180	733	794	1,159
Tunisia	1,360	1,490	1,700	1,690	1,740	1,820	2,000	2,080	2,050	2,090	2,090	1,093	1,244	1,835
ALL AFRICA	783	692	692	666	655	668	697	709	685	673	671	640	676	683

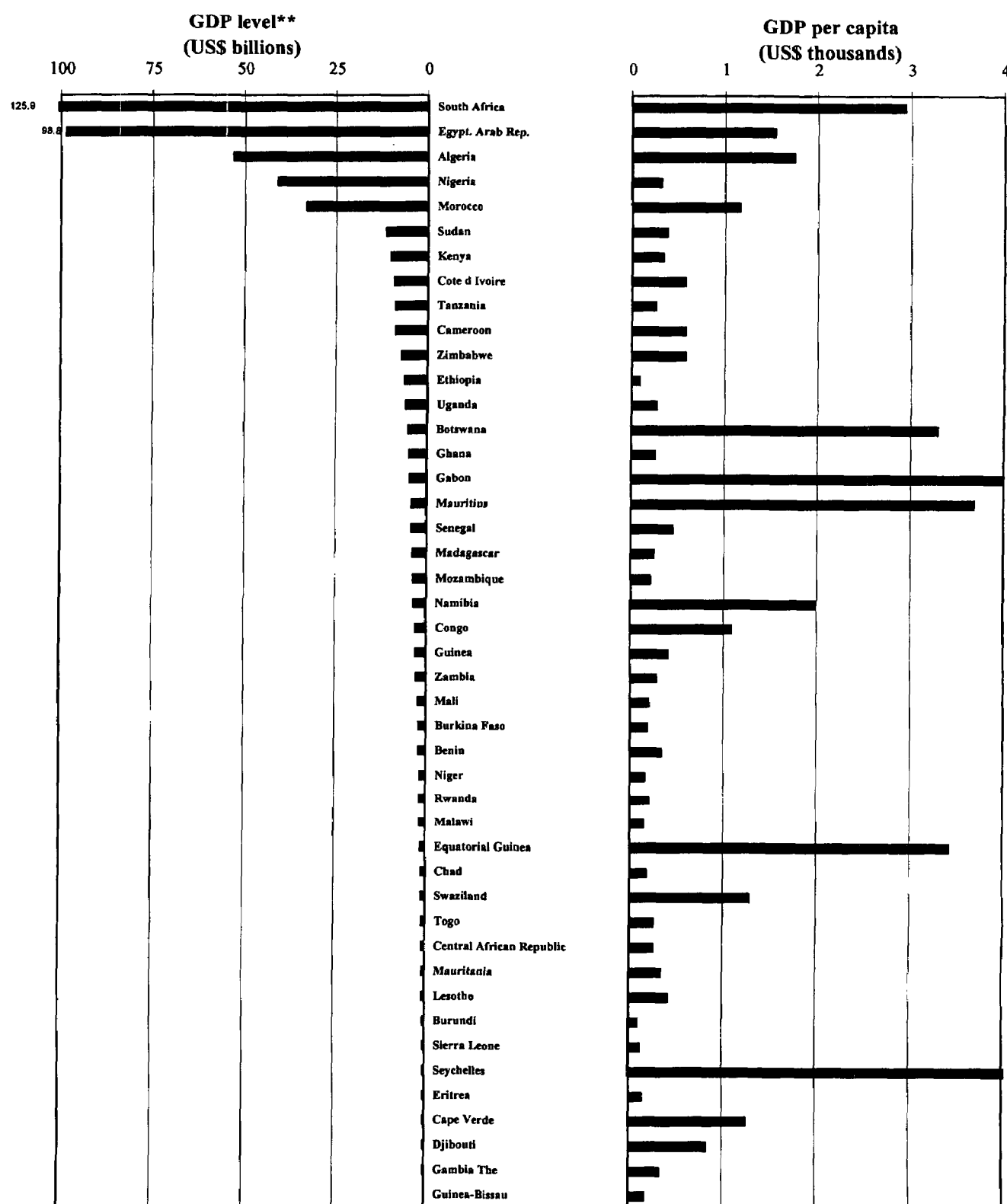
Note: 2000 data are preliminary (see page 2). Gross National Income (GNI) previously called Gross National Product (GNP).

## 2-20. Total consumption per capita

	Current U.S. dollars											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	527	486	493	450	416	461	454	470	437	421	397	427	419	431
excluding South Africa	417	319	312	274	233	268	276	289	281	274	260	335	312	283
excl. S Africa & Nigeria	367	352	329	304	248	285	296	304	299	286	272	305	336	303
Angola	..	1,066	572	463	282	456	399	496	502	354	387	..	676	524
Benin	431	377	323	402	264	342	379	334	356	362	324	305	334	349
Botswana	818	1,856	1,986	1,921	1,888	1,994	1,856	2,249	2,469	2,731	2,701	643	900	2,137
Burkina Faso	260	288	199	212	166	198	220	194	201	204	178	193	239	213
Burundi	224	217	198	167	165	170	140	143	138	108	105	179	219	161
Cameroon	609	822	784	786	503	486	556	530	488	510	469	491	799	609
Cape Verde	458	1,055	1,151	964	1,073	1,253	1,382	1,360	1,498	1,616	1,449	349	741	1,261
Central African Republic	375	454	467	405	249	320	317	281	285	264	247	274	416	345
Chad	..	337	330	249	185	218	225	208	223	214	180	200	254	243
Comoros	406	545	594	548	410	476	471	419	400	414	..	343	450	488
Congo, Democratic Rep. of	479	231	193	209	122	111	112	113	..	..	..	411	209	165
Congo, Republic of	658	971	943	606	522	564	512	526	528	444	430	587	818	637
Côte d'Ivoire	989	770	789	723	442	584	583	564	586	551	477	671	711	626
Djibouti	..	..	..	..	..	897	862	851	815	873	882	..	..	864
Equatorial Guinea	..	286	459	457	242	299	438	673	847	691	890	446	452	521
Eritrea	..	..	173	150	198	222	225	204	247	232	188	..	..	204
Ethiopia	..	98	99	111	84	94	96	98	98	102	101	130	148	100
Gabon	2,438	3,249	3,584	2,655	2,141	2,379	2,503	2,309	2,388	2,348	2,858	1,944	2,794	2,757
Gambia, The	354	295	315	338	328	357	323	331	333	334	324	272	269	326
Ghana	393	399	402	346	286	334	312	368	365	399	257	326	360	349
Guinea	..	417	479	466	470	489	504	462	434	390	346	..	348	442
Guinea-Bissau	141	251	216	213	214	237	239	224	192	191	194	180	179	220
Kenya	378	271	280	150	221	301	294	349	369	328	332	278	298	291
Lesotho	487	576	614	643	602	670	653	669	577	530	499	397	417	598
Liberia	433	..	..	..	..	..	..	..	..	..	..	408	411	..
Madagascar	462	224	238	262	223	229	273	241	245	235	243	340	241	242
Malawi	179	216	199	226	128	147	236	244	155	169	152	140	148	188
Mali	268	261	305	273	174	236	247	221	223	218	197	196	225	238
Mauritania	473	490	529	408	376	418	437	410	377	342	298	440	414	415
Mauritius	1,049	1,993	2,181	2,198	2,412	2,716	2,888	2,702	2,642	2,778	2,873	847	1,254	2,481
Mozambique	322	189	148	162	161	149	178	202	212	215	196	300	259	182
Namibia	1,241	1,717	1,830	1,705	1,752	1,918	1,873	2,005	1,745	1,702	1,668	1,526	1,307	1,755
Niger	384	283	267	181	177	205	203	182	199	185	163	281	260	215
Nigeria	619	195	245	162	174	206	201	232	214	227	214	464	223	207
Rwanda	216	259	274	262	178	213	218	243	254	239	212	196	312	245
São Tomé and Príncipe	588	586	479	501	453	384	377	369	308	354	348	490	613	443
Senegal	566	690	725	650	396	478	474	438	448	453	409	428	579	533
Seychelles	1,667	4,308	4,986	5,267	5,086	5,163	4,462	6,071	5,941	5,848	6,029	1,285	2,480	5,214
Sierra Leone	350	181	154	174	204	209	211	187	141	143	137	365	272	177
Somalia	116	..	..	..	..	..	..	..	..	..	..	136	137	133
South Africa	2,004	2,782	2,986	2,866	2,913	3,125	2,945	3,024	2,676	2,556	2,412	1,655	1,873	2,810
Sudan	399	..	..	..	..	..	..	..	..	..	..	405	659	..
Swaziland	964	1,021	1,168	1,221	1,237	1,423	1,440	1,424	1,290	1,262	1,240	674	634	1,236
Tanzania	..	183	169	159	154	174	205	233	269	247	243	246	178	200
Togo	334	401	422	319	218	283	319	343	300	287	245	246	332	321
Uganda	..	195	163	177	206	277	291	284	304	282	271	189	333	247
Zambia	546	386	384	353	355	339	336	375	322	317	280	455	334	345
Zimbabwe	822	726	585	492	500	515	599	640	440	374	513	724	629	557
NORTH AFRICA	842	912	984	1,038	1,057	1,130	1,222	1,202	1,272	1,267	1,267	707	1,074	1,133
Algeria	1,291	1,117	1,239	1,342	1,136	1,070	1,125	1,117	1,170	1,091	979	1,125	1,998	1,199
Egypt, Arab Republic	476	599	647	732	806	908	1,018	1,058	1,136	1,183	1,280	417	641	914
Libya	5,040	..	..	..	..	..	..	..	..	..	..	4,325	..	..
Morocco	838	942	950	879	991	1,074	1,143	1,011	1,056	1,004	950	610	675	988
Tunisia	1,041	1,143	1,322	1,318	1,390	1,593	1,648	1,559	1,625	1,672	1,547	820	969	1,449
ALL AFRICA	589	567	585	558	532	582	591	600	583	568	547	482	541	574

Note: 2000 data are preliminary (see page 2).

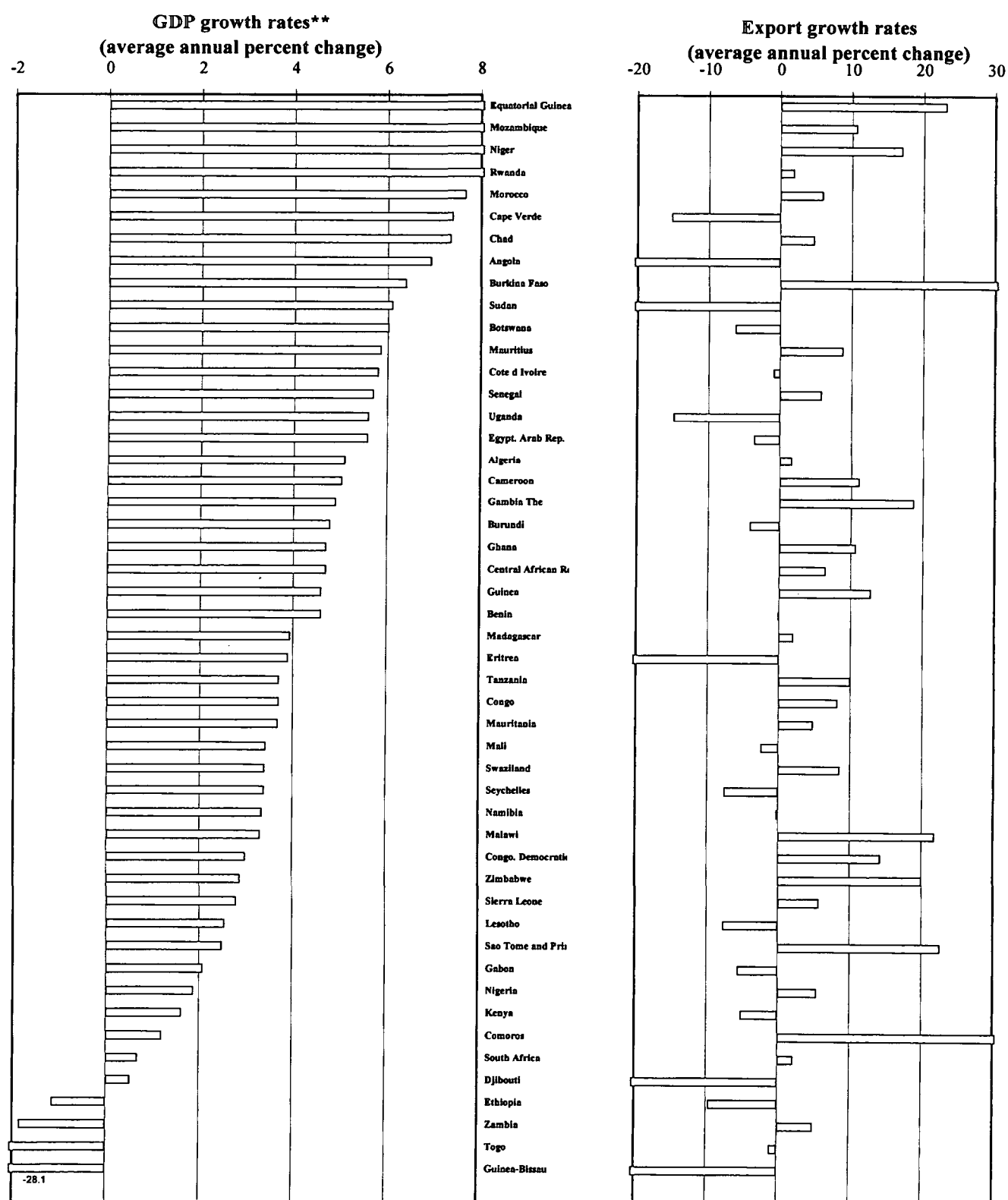
**Figure 2-1. Gross domestic product, 2000\***



\* Or most recent year available.

\*\* Sorted by GDP level.

Figure 2-2. GDP and export growth rates, average 1999-2000\*

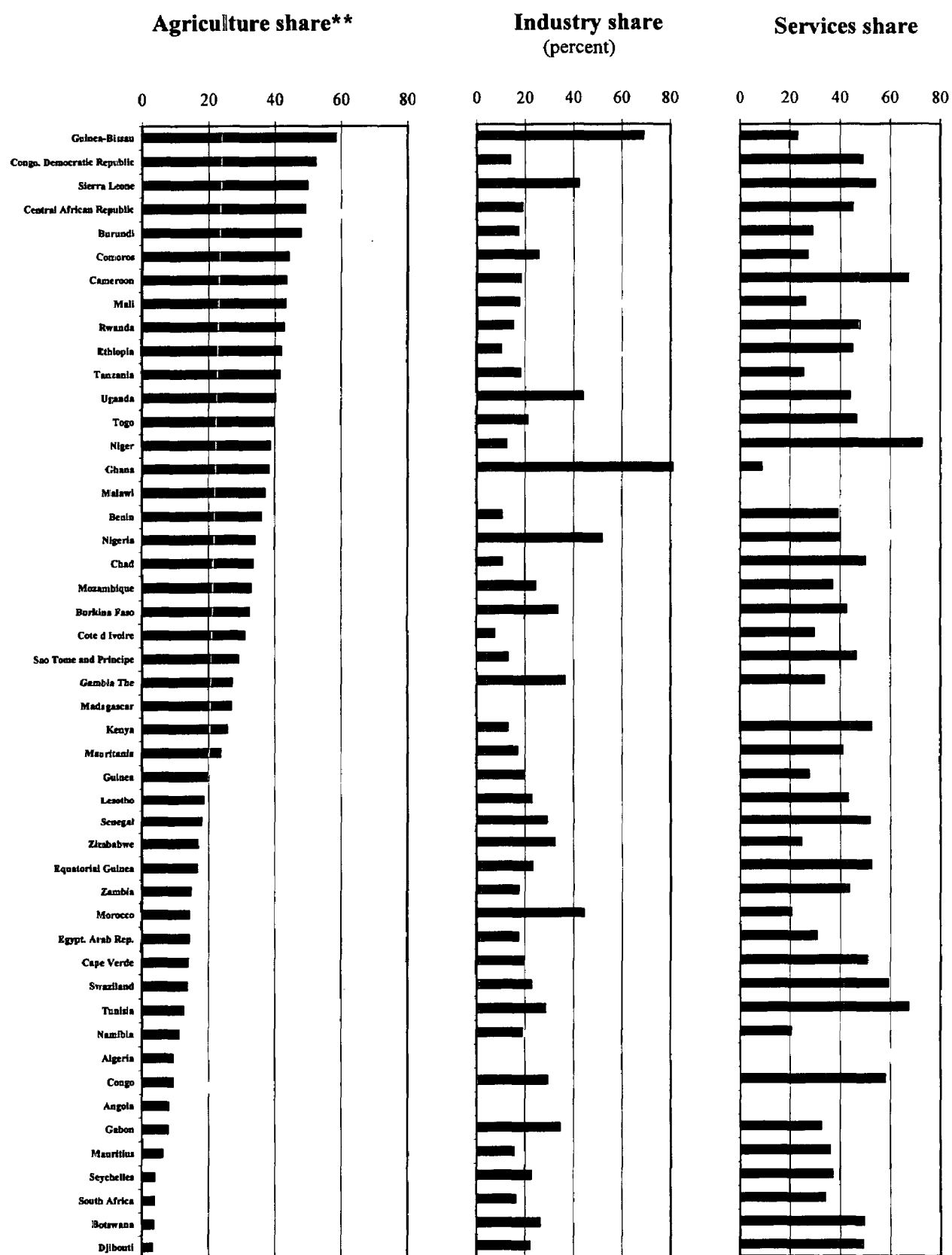


\* Or most recent year available.

\*\* Sorted by GDP.



Figure 2-3. Composition of GDP, 2000\*



\* Or most recent year available.

\*\* Sorted by agriculture share.

## Technical notes

### Tables

**Table 2-1. Gross domestic product, real.** Gross domestic product (GDP) measures the total output of goods and services for final use produced by residents and nonresidents, regardless of the allocation to domestic and foreign claims (World Bank country desks). It is calculated without making deductions for depreciation of “manmade” assets or depletion and degradation of natural resources. In this table, GDP figures are shown at market prices (also known as purchaser values) and have been converted to U.S. dollars using constant (1995) exchange rates. For a few countries where the official exchange rate does not reflect effectively the rate applied to actual foreign exchange transactions, an alternative currency conversion factor has been used (Table 3-6). The sum of the components of GDP by industrial origin (presented in this volume in the form of value added) will not normally equal total GDP for several reasons. First, components of GDP by expenditure are individually rescaled and summed to provide a partially rebased series for total GDP. Second, total GDP is shown at purchaser value, while value added components are conventionally reported at producer prices. As explained above, the former excludes net indirect taxes, while the latter includes indirect taxes. Third, certain items, such as imputed bank charges, are added in total GDP.

**Table 2-2. Value added in agriculture.** Value added in agriculture is shown at factor cost (World Bank country desks). It comprises the gross output of forestry, hunting, and fishing less the value of their intermediate inputs. However, for Botswana, Cameroon, Chad, Congo, Gabon, Guinea, Madagascar, Mali, Morocco, Niger, Rwanda, Senegal, Togo, Zaire, and Zambia it is shown at market prices, that is, including intermediate inputs.

**Table 2-3. Value added in industry.** Value added in industry is shown at factor cost (World Bank country desks). It comprises the gross output of mining, manufacturing, construction, electricity, water, and gas, less the value of their intermediate inputs. However, for Botswana, Cameroon, Chad, Congo, Gabon, Guinea, Madagascar, Mali, Morocco, Niger, Rwanda, Senegal, Togo, Zaire, and Zambia it is shown at market prices, that is, including intermediate inputs.

**Table 2-4. Value added in services.** Also shown at factor cost, this table consists of the gross output of all other branches of economic activity, including government, less the value of their intermediate inputs (World Bank country desks). However, for Botswana, Cameroon, Chad, Congo, Gabon, Guinea, Madagascar, Mali, Morocco, Niger, Rwanda, Senegal, Togo, Zaire, and Zambia it is shown at market prices, that is, including intermediate inputs. Other items, such as imputed bank service charges (which are difficult to assess in the same fashion for all countries) and any corrections for statistical discrepancies, are not included.

**Table 2-5. Gross domestic product, nominal.** This table, presented at market prices, is obtained by converting national currency GDP series in current prices (World Bank country desks) to U.S. dollars at official annual exchange rates (Table 3-4; see also the note for Table 2-1). GDP growth rates are presented in real terms.

**Table 2-6. Total consumption.** Total consumption is the sum of private consumption (World Bank country desks) and general government consumption (Table 2-7). Private consumption, not separately shown here, is the value of all goods and services purchased or received as income in kind by households and nonprofit institutions. It excludes purchases

of dwellings, but includes imputed rent for owner-occupied dwellings. In practice, it includes any statistical discrepancy in the use of resources.

**Table 2-7. General government consumption.** This indicator includes all current expenditure for purchases of goods and services by all levels of government, including capital expenditure on national defense and security (World Bank country desks). Other capital expenditure by government is included in investment.

**Tables 2-8, 2-9, and 2-10. Gross domestic, public, and private investment.** Gross domestic investment (GDI) consists of gross domestic fixed capital formation plus net changes in the level of inventories (World Bank country desks). GDI comprises outlays by the public sector (Table 2-9) and the private sector (Table 2-10). Examples include improvements in land, dwellings, machinery, and other equipment. For some countries the sum of gross private investment and gross public investment does not add up to gross domestic investment due to statistical discrepancies.

**Table 2-11. Gross domestic savings.** Gross domestic savings (GDS) is calculated by deducting total consumption (Table 2-6) from gross domestic product in current prices (Table 2-5).

**Table 2-12. Gross national savings.** Gross national savings (GNS) is the sum of gross domestic savings (Table 2-11), net factor income from abroad (World Bank country desks) and net private transfers from abroad (Table 5-5). The estimate here also includes net public transfers from abroad (Table 5-6).

**Table 2-13. Resource balance.** The table indicates the difference between exports f.o.b. (Table 2-14) and imports c.i.f. (Table 2-15) of goods and nonfactor services (or the difference between GDS and GDI). The resource balance is shown as a share of GDP in U.S. dollars at current prices (Table 2-5).

**Tables 2-14 and 2-15. Exports and imports of goods and nonfactor services, nominal.** Data for exports and imports of goods and nonfactor services are from the World Bank country desks and refer to all goods

and nonfactor services (GNFS) provided to, or by, the rest of the world, including merchandise, freight, insurance, travel, and other nonfactor services. The value of factor services, such as investment income, interest, and labor income, is not included. These series are generally estimated on the basis of foreign trade statistics from customs declarations. They are not fully comparable with the series from the balance of payments, which are based on changes in ownership between residents of a country and the rest of the world. Exports, as well as imports of GNFS, are shown in current U.S. dollars.

**Tables 2-16 and 2-17. Exports and imports of goods and nonfactor services, real.** These are defined as in Tables 2-14 and 2-15, but expressed in constant 1995 U.S. dollars.

**Table 2-18. GDP growth.** This table (World Bank country desks) provides average annual growth rates calculated from GDP at constant 1995 prices (Table 2-1).

**Table 2-19. GNI per capita.** Figures presented here (World Bank country desks) are calculated using the *World Bank Atlas* method, as described in the technical notes for Table 1-1; they are similar in concept to GNI per capita in current prices, except that the use of three-year averages of exchange rates smoothes out sharp fluctuations from year to year.

**Table 2-20. Total consumption per capita.** This table is obtained by dividing total consumption at current U.S. dollars (Table 2-6) by the corresponding midyear population (Table 1-2).

## Figures

The following indicators have been used to derive the figures in this chapter.

**Figure 2-1.** Gross domestic product (Table 2-5); GDP per capita (Tables 1-2 and 2-5).

**Figure 2-2.** GDP growth (Table 2-1); export growth (Table 2-16).

**Figure 2-3.** Value added in agriculture (Table 2-2); value added in industry (Table 2-3); value added in services (Table 2-4); gross domestic product (Table 2-1).

### Methodology used for regional aggregations and period averages in chapter 2

Table	Aggregations <sup>a</sup>			Period averages <sup>b</sup>	
	(3)	(4)	(5)	(1)	(2)
2-1	x				x
2-2	x				x
2-3	x				x
2-4	x				x
2-5	x			x	
2-6		x		x	
2-7		x		x	
2-8		x		x	
2-9		x		x	
2-10		x		x	
2-11		x		x	
2-12		x		x	
2-13			x	x	
2-14	x			x	
2-15	x			x	
2-16	x				x
2-17	x				x
2-18	x				x
2-19		x		x	
2-20		x		x	

*Note :* Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).

## Prices and Exchange Rates

Information on prices and exchange rates are important in monitoring national economic performance. This chapter provides three sets of price deflators and six exchange rate indicators. The GDP deflator for national currency series shows changes in domestic prices only. The US dollar series GDP deflator includes the effects of both domestic price changes, as reflected in the national currency series GDP implicit deflator, and changes in the exchange rate between national currencies and U.S. dollars. The consumer price index measures the price changes of a selected bundle of consumer goods, which differs among countries.

The US dollar exchange rate (units of national currency per US dollar) is reported because of extensive use of U.S. dollars to denominate international transactions; U.S. dollars are also widely used for statistical comparisons across countries. The SDR exchange rate index (based on SDRs per unit of national currency) is a broader measure of the changes in the in-

ternational value of domestic currencies because it is based on five major currencies. For Sub-Saharan Africa, it may be more representative of movements in non-dollar exchange rates than that expressed in U.S. dollars alone because a large share of the region's foreign trade and debt is not denominated in U.S. dollars. A decrease in the index shows that the currency has depreciated, which indicates that foreign goods have become relatively more expensive than domestic goods. We have included information on the parallel market exchange rate and the ratio of the parallel to the official exchange rates to provide a measure of the premium on the official rate. It is tempting to view the divergence between the official and parallel rates as a measure of the disequilibrium in the official exchange rate. However, this is not necessarily true. Conversion factors are sometimes used in place of official exchange rates when the latter are considered to be especially unrepresentative of rates effectively applied to international transactions.

## 3-1. GDP deflator (local currency series)

	Index 1995=100											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	22.8	63.9	64.8	70.0	90.0	100.0	109.0	117.1	121.6	125.9	139.0	23.4	48.1	96.6
excluding South Africa	24.8	64.0	64.7	68.5	89.9	100.0	109.1	117.3	121.4	125.6	135.1	24.8	49.8	96.1
excl. S Africa & Nigeria	26.8	64.4	64.8	70.0	90.0	100.0	109.0	116.6	121.0	125.3	131.3	26.9	50.7	95.8
Angola	0.0	0.0	0.0	0.2	5.0	100.0	5,561.8	10,997.5	14,843.2	97,999.0	491,934.4	0.0	0.0	56,494.7
Benin	47.5	62.1	64.2	64.9	86.7	100.0	106.7	107.1	114.4	117.1	119.0	45.9	59.6	91.3
Botswana	20.8	66.7	71.5	81.1	91.5	100.0	112.4	122.2	130.2	137.7	153.7	18.6	45.2	102.8
Burkina Faso	57.5	82.2	80.7	80.9	93.4	100.0	108.1	108.7	112.2	109.3	110.0	56.4	81.3	97.5
Burundi	45.5	71.8	75.9	81.3	86.7	100.0	119.0	146.8	163.2	168.8	206.9	38.2	58.5	117.2
Cameroon	43.0	76.4	75.4	77.0	85.4	100.0	105.4	108.2	109.5	108.2	111.9	42.9	74.0	93.7
Cape Verde	32.6	84.5	87.4	89.1	95.9	100.0	105.8	114.1	119.3	125.3	125.6	30.1	67.1	102.6
Central African Republic	35.0	74.7	76.5	73.9	90.7	100.0	101.8	103.2	104.2	105.6	109.1	35.1	71.6	92.3
Chad	55.5	74.5	64.9	64.1	91.9	100.0	111.7	114.8	121.4	115.9	119.8	54.4	67.6	95.6
Comoros	41.7	88.2	82.3	84.6	92.6	100.0	102.0	105.1	117.1	125.2	131.3	52.3	73.5	100.9
Congo, Democratic Rep. of	0.0	0.0	0.0	0.1	17.7	100.0	713.1	2,049.0	2,356.3	..	..	0.0	0.0	581.8
Congo, Republic of	47.0	61.2	60.3	59.6	81.5	100.0	108.4	115.8	94.8	123.4	180.6	47.7	62.2	95.3
Côte d'Ivoire	50.3	64.4	64.4	64.4	91.3	100.0	104.1	110.3	113.3	112.5	112.4	45.9	69.2	91.0
Djibouti	..	83.3	86.1	89.9	95.7	100.0	102.6	105.1	106.9	109.1	111.7	..	70.5	97.0
Equatorial Guinea	..	63.6	63.7	63.2	97.5	100.0	125.4	160.5	121.9	172.1	261.8	..	64.5	117.4
Eritrea	..	..	57.0	73.6	89.8	100.0	102.9	105.7	108.5	117.4	139.0	..	..	99.3
Ethiopia	..	68.6	76.4	86.4	88.7	100.0	101.2	105.2	115.1	117.5	119.2	41.8	56.4	94.3
Gabon	50.8	67.5	67.8	68.5	100.6	100.0	112.8	115.1	97.0	101.7	130.6	46.6	64.2	94.3
Gambia, The	18.0	82.3	88.2	92.7	96.2	100.0	102.9	106.9	108.1	112.8	117.0	17.6	52.1	98.5
Ghana	0.8	36.7	40.8	53.7	69.8	100.0	139.8	167.0	195.5	222.8	283.5	1.6	14.4	121.8
Guinea	..	73.9	93.7	95.0	95.7	100.0	101.4	103.2	105.7	109.5	118.6	..	37.7	96.2
Guinea-Bissau	0.2	22.8	37.6	56.1	69.1	100.0	139.3	186.8	201.0	212.4	219.4	0.3	4.2	114.4
Kenya	18.7	50.7	59.6	66.5	89.9	100.0	109.1	126.0	137.4	145.4	155.3	19.0	35.9	98.7
Lesotho	18.5	65.2	77.3	85.0	91.5	100.0	109.0	117.3	128.2	141.9	153.3	18.2	41.0	102.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	6.6	38.3	43.1	48.6	68.9	100.0	117.8	126.4	137.1	150.5	161.2	7.7	22.6	93.2
Malawi	6.6	30.1	34.1	43.7	55.2	100.0	158.9	171.3	214.8	305.3	380.1	6.9	16.9	138.3
Mali	37.6	63.1	64.3	66.0	84.4	100.0	105.4	106.5	109.2	106.3	105.1	37.1	59.6	88.4
Mauritania	33.3	78.4	86.3	90.0	95.7	100.0	104.7	110.3	120.7	123.2	130.3	33.3	60.4	101.0
Mauritius	28.7	78.3	82.5	88.9	95.4	100.0	105.7	111.7	119.5	125.9	125.9	26.5	53.8	100.6
Mozambique	0.6	18.9	27.3	41.3	65.8	100.0	143.6	157.4	164.7	169.5	189.3	0.8	4.7	99.2
Namibia	20.3	68.7	75.3	81.8	94.6	100.0	114.5	122.6	133.2	143.7	157.4	24.2	47.9	105.2
Niger	57.9	70.8	71.6	71.5	94.9	100.0	104.7	108.0	111.2	113.4	118.6	55.9	77.7	94.5
Nigeria	3.2	17.9	32.9	50.2	64.1	100.0	136.9	138.8	131.1	147.2	184.5	3.2	8.4	92.6
Rwanda	24.8	46.1	49.7	56.0	66.1	100.0	110.5	127.7	131.1	126.5	129.7	25.0	33.9	89.4
São Tomé and Príncipe	..	18.9	23.8	33.0	57.3	100.0	150.8	302.0	413.9	480.1	517.9	..	6.7	192.0
Senegal	41.4	75.2	75.7	74.6	95.3	100.0	101.3	103.7	105.0	106.6	107.4	40.8	71.0	92.7
Seychelles	62.9	91.8	96.1	99.1	100.2	100.0	107.6	110.7	115.2	122.4	129.5	55.2	83.4	106.0
Sierra Leone	0.2	28.3	45.4	57.3	66.3	100.0	112.7	147.1	165.9	226.9	211.9	0.2	3.8	107.0
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	13.6	63.9	73.2	82.8	90.7	100.0	108.3	116.9	124.8	132.6	141.2	13.1	36.3	99.0
Sudan	0.2	10.5	20.3	39.2	70.9	100.0	236.9	350.4	410.4	475.8	513.8	0.2	1.8	203.1
Swaziland	20.6	58.0	64.7	75.2	85.9	100.0	112.0	125.1	137.3	149.7	167.2	19.3	39.9	102.6
Tanzania	..	38.5	48.3	60.1	78.8	100.0	119.3	143.9	168.4	179.6	195.9	..	22.5	105.7
Togo	41.0	69.9	72.2	66.3	90.0	100.0	105.4	118.0	115.1	117.7	117.6	42.2	63.5	94.6
Uganda	..	45.3	65.8	85.6	91.4	100.0	104.6	108.7	120.3	125.3	129.5	0.2	8.5	92.0
Zambia	0.1	6.8	18.1	44.0	72.9	100.0	123.6	155.7	186.0	224.2	264.7	0.1	0.8	109.0
Zimbabwe	11.4	48.4	61.7	75.4	91.3	100.0	125.8	146.2	188.9	294.9	471.6	11.8	24.9	149.2
NORTH AFRICA	26.9	73.0	81.7	87.5	91.2	100.0	105.9	111.1	114.9	118.1	123.0	25.4	49.3	97.5
Algeria	10.9	43.5	53.0	60.3	77.8	100.0	123.8	131.9	126.3	139.4	172.4	9.9	17.7	96.1
Egypt, Arab Republic	16.3	63.7	76.3	83.9	89.8	100.0	107.1	113.4	117.4	119.6	126.5	14.4	34.4	95.8
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	40.2	84.3	88.0	91.2	92.6	100.0	101.0	103.0	103.4	103.9	105.5	38.8	68.2	95.6
Tunisia	35.7	82.3	87.0	91.1	95.1	100.0	104.7	108.8	112.4	116.6	119.4	36.5	64.3	94.5
ALL AFRICA	22.8	63.9	65.3	72.5	90.0	100.0	108.7	116.4	121.0	125.3	131.3	23.4	48.1	96.0

Note: 2000 data are preliminary (see page 2). Group data are medians of individual country values for each year.

## 3-2. GDP deflator (U.S. dollar series)

	Index 1995=100											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	104.2	101.0	102.7	96.3	91.8	100.0	99.9	99.9	91.3	88.6	86.9	82.4	86.3	96.2
excluding South Africa	147.2	116.9	111.4	100.4	91.0	100.0	107.6	107.1	99.6	97.2	98.3	117.5	115.3	104.6
excl. S Africa & Nigeria	115.9	119.4	109.1	105.3	92.0	100.0	105.0	104.4	98.6	94.2	92.4	99.4	115.1	103.9
Angola	..	196.9	98.3	118.0	89.3	100.0	135.0	123.2	113.8	90.7	92.7	..	131.1	120.4
Benin	112.1	109.9	91.4	114.5	77.9	100.0	104.1	95.5	98.4	98.1	99.5	83.7	88.8	100.2
Botswana	71.7	96.1	92.6	99.6	97.1	100.0	103.6	94.0	94.4	100.3	103.1	57.9	68.3	97.3
Burkina Faso	118.3	126.7	88.5	91.6	81.9	100.0	101.7	91.1	93.0	99.1	101.3	89.5	105.4	101.2
Burundi	127.7	99.8	92.2	87.8	85.8	100.0	98.5	104.3	99.0	105.6	107.0	104.0	113.4	98.3
Cameroon	106.7	147.5	139.5	150.4	101.9	100.0	108.9	103.7	94.6	99.2	103.2	83.4	110.7	116.0
Cape Verde	..	89.0	96.6	85.7	86.6	100.0	97.2	94.4	96.5	99.1	101.8	..	77.4	93.9
Central African Republic	82.6	132.2	144.2	130.2	81.5	100.0	99.5	88.7	89.2	91.1	93.3	62.5	106.6	108.1
Chad	131.2	138.7	126.8	117.2	82.6	100.0	109.8	100.9	103.3	106.2	110.0	100.2	112.0	113.2
Comoros	73.9	117.1	116.3	111.8	83.2	100.0	99.8	90.6	91.0	92.7	96.0	61.8	82.7	101.0
Congo, Democratic Rep. of	..	107.4	108.4	137.0	113.7	100.0	93.4	103.0	114.2	117.7	121.1	85.5	83.5	110.7
Congo, Republic of	131.8	128.5	134.9	89.1	87.0	100.0	112.3	104.4	85.4	93.3	95.4	101.1	108.2	105.9
Côte d'Ivoire	118.8	114.0	121.5	113.6	82.1	100.0	100.2	90.6	92.3	99.6	102.4	82.9	102.8	103.1
Djibouti	..	82.9	85.7	89.5	95.3	100.0	104.1	106.8	..	..	..	..	68.5	94.9
Equatorial Guinea	..	112.5	120.0	111.4	87.6	100.0	122.3	130.3	..	128.3	133.9	..	96.1	115.9
Eritrea	..	..	83.9	80.5	91.5	100.0	103.0	99.1	95.5	..	..	..	..	93.4
Ethiopia	..	108.7	120.1	118.9	89.9	100.0	93.8	94.0	97.4	90.0	82.6	118.4	159.2	102.6
Gabon	120.0	119.4	127.8	97.7	90.4	100.0	112.3	96.2	101.0	..	..	82.9	94.7	109.4
Gambia, The	99.9	89.2	94.7	96.9	95.9	100.0	100.4	99.4	98.8	99.0	103.7	75.8	77.4	97.3
Ghana	105.0	119.7	111.9	99.2	87.6	100.0	102.5	97.8	101.9	103.9	104.1	93.9	112.5	103.7
Guinea	..	101.0	105.5	100.9	97.7	100.0	103.1	97.4	85.9	83.9	81.2	..	84.0	95.8
Guinea-Bissau	32.8	112.6	98.0	100.5	96.9	100.0	101.8	95.5	101.7	105.5	104.3	85.3	87.1	102.6
Kenya	129.5	94.8	95.1	59.0	82.5	100.0	97.9	109.9	118.3	113.6	115.1	104.1	105.7	98.9
Lesotho	88.0	91.0	99.4	101.3	97.2	100.0	89.6	91.7	79.3	81.4	83.8	71.1	71.6	92.0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	132.6	89.0	98.5	108.4	95.8	100.0	123.8	106.1	107.9	113.7	115.9	108.3	93.2	105.0
Malawi	119.5	157.4	138.7	145.5	91.9	100.0	140.0	147.9	96.1	98.6	99.6	103.2	107.4	123.3
Mali	90.0	113.1	122.6	117.7	79.9	100.0	103.7	91.9	95.3	100.2	103.3	67.8	90.1	103.9
Mauritania	94.1	124.1	128.5	96.6	100.5	100.0	97.8	93.9	81.8	78.6	80.6	87.4	111.9	100.9
Mauritius	65.1	87.1	92.4	87.8	92.5	100.0	102.8	95.0	90.8	92.5	94.8	54.3	66.8	92.7
Mozambique	175.8	116.8	99.6	98.6	98.8	100.0	110.9	120.5	121.9	118.3	120.1	188.4	197.9	111.7
Namibia	92.1	88.8	95.0	90.3	95.3	100.0	92.9	93.9	87.6	81.9	83.6	81.8	73.8	91.1
Niger	136.8	125.2	134.9	91.1	85.3	100.0	102.3	92.3	94.0	101.8	105.2	100.7	115.4	106.3
Nigeria	287.2	104.9	122.0	77.9	86.3	100.0	120.4	131.2	133.7	146.3	154.3	210.6	116.3	117.4
Rwanda	70.3	96.9	97.6	102.7	77.4	100.0	93.6	113.0	114.8	114.4	116.4	69.8	105.8	105.0
São Tomé and Príncipe	..	132.7	105.4	109.1	111.1	100.0	97.2	94.2	85.4	94.8	93.7	..	131.1	103.8
Senegal	96.8	131.9	141.4	130.2	84.9	100.0	101.3	90.8	91.7	93.7	96.1	73.8	105.5	108.9
Seychelles	46.9	82.8	89.3	91.1	94.4	100.0	95.4	97.1	94.6	82.6	84.8	39.3	67.4	90.5
Sierra Leone	115.8	78.5	74.4	83.0	96.4	100.0	103.6	113.4	88.5	..	..	103.1	104.2	90.9
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	70.8	88.4	96.5	93.0	94.0	100.0	91.5	92.0	83.2	79.8	81.8	54.3	61.9	89.4
Sudan	178.4	226.0	120.8	142.9	142.1	100.0	96.3	126.1	123.7	..	..	177.1	344.5	150.5
Swaziland	98.5	77.2	84.0	82.8	86.1	100.0	93.2	96.1	86.9	82.2	85.2	75.8	64.6	86.5
Tanzania	..	101.8	115.4	95.4	87.2	100.0	113.1	131.6	142.6	144.7	147.1	..	108.4	115.8
Togo	95.8	122.5	134.8	117.5	80.2	100.0	102.5	100.1	101.7	108.2	110.5	76.6	94.2	109.2
Uganda	..	76.7	63.8	66.4	77.4	100.0	96.4	95.8	97.6	85.0	81.1	72.9	147.1	85.9
Zambia	122.9	96.4	92.5	89.0	94.3	100.0	88.9	102.9	89.5	81.5	83.4	98.8	81.3	92.0
Zimbabwe	148.7	118.5	101.8	97.7	96.0	100.0	111.6	106.2	73.6	68.6	77.7	130.8	117.2	98.1
NORTH AFRICA	117.5	87.5	92.8	95.6	93.2	100.0	104.8	105.2	105.1	105.0	107.7	92.8	101.6	100.0
Algeria	134.1	114.4	119.4	123.7	105.8	100.0	107.6	108.5	108.9	..	..	108.5	147.7	115.5
Egypt, Arab Republic	78.0	73.1	79.3	86.9	91.9	100.0	109.0	115.5	113.6	..	..	70.4	85.5	95.1
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	87.2	82.6	88.0	83.8	86.0	100.0	99.2	92.5	..	..	..	66.2	66.6	89.3
Tunisia	83.5	84.6	93.5	86.2	89.0	100.0	101.7	93.3	103.3	..	..	68.3	71.2	92.7
ALL AFRICA	107.5	96.6	99.4	96.1	92.3	100.0	101.5	101.7	96.0	94.2	94.0	84.9	91.4	97.5

Note: 2000 data are preliminary (see page 2). Group data are obtained by dividing GDP in current US\$ by GDP in constant US\$ series for each group.

### 3-3. Consumer price index

	Index 1995=100											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	20.7	63.9	68.9	70.5	89.0	100.0	108.0	117.1	127.3	134.1	143.4	9.8	12.6	10.2
excluding South Africa	21.9	63.8	68.7	70.4	88.6	100.0	108.5	117.6	127.8	133.9	142.1	9.4	11.4	10.2
excl. S Africa & Nigeria	23.0	63.9	68.9	70.5	89.0	100.0	108.0	116.7	126.5	133.7	140.8	9.8	10.6	10.1
Angola	..	0.0	0.0	0.2	2.7	100.0	1,751.3	2,872.2	5,957.7	13,396.5	18,305.8	..	3.9	544.3
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	20.7	63.3	73.5	81.8	90.5	100.0	110.1	120.6	131.3	142.3	153.3	12.1	9.5	10.7
Burkina Faso	59.6	75.4	73.9	74.4	92.8	100.0	106.1	108.5	111.3	114.0	116.9	..	-0.9	5.3
Burundi	28.9	65.4	66.5	73.0	83.8	100.0	126.4	165.8	186.6	201.6	215.7	13.4	5.4	14.8
Cameroon	33.6	73.3	73.2	70.5	79.5	100.0	106.6	112.1	115.3	117.6	119.9	11.5	6.4	6.0
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	69.9	69.4	67.4	83.9	100.0	104.4	106.1	104.1	106.6	109.4	..	-0.8	5.2
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	..	77.7	95.4	96.1	98.2	100.0	103.7	108.0	112.8	108.0	112.8	..	3.9	3.7
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	32.0	63.9	61.4	64.4	92.0	100.0	110.2	..	..	..	..	11.1	3.3	9.9
Côte d'Ivoire	40.2	65.7	68.5	70.2	92.9	100.0	103.5	106.6	109.8	112.5	115.4	13.3	5.3	6.6
Djibouti	..	82.9	85.7	89.5	95.3	100.0	104.2	106.3	..	..	..	..	7.1	5.0
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	34.6	65.5	79.3	87.2	88.2	100.0	100.9	94.4	97.9	101.4	105.1	10.6	2.4	6.4
Gabon	41.0	76.1	72.4	65.9	96.7	100.0	106.2	108.3	116.0	107.5	109.1	12.5	1.0	5.5
Gambia, The	15.6	83.3	88.2	91.7	95.4	100.0	102.1	105.0	106.1	108.8	112.0	10.5	24.3	4.1
Ghana	0.8	33.4	36.8	45.9	57.4	100.0	146.6	187.5	223.7	246.1	261.8	67.9	27.7	29.0
Guinea	..	72.8	84.8	90.9	94.7	100.0	103.0	106.3	111.1	115.6	119.6	..	30.5	7.1
Guinea-Bissau	..	23.8	40.2	59.7	68.8	100.0	156.6	233.5	252.2	267.3	276.7	..	..	36.8
Kenya	..	41.2	52.4	76.5	98.5	100.0	109.0	121.2	134.1	141.3	153.1	..	10.0	16.7
Lesotho	15.5	63.8	74.7	84.6	91.5	100.0	109.3	118.7	129.1	138.4	148.3	14.2	13.7	10.6
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	38.3	44.2	48.2	67.1	100.0	119.8	125.1	132.9	140.3	147.2	..	17.7	17.6
Malawi	5.5	27.6	33.9	40.5	54.5	100.0	137.6	150.1	183.3	267.9	287.3	..	20.4	29.9
Mali	..	76.6	71.8	71.3	89.0	100.0	106.5	105.8	110.1	111.1	112.7	..	1.3	4.9
Mauritania	..	74.9	82.5	90.2	93.9	100.0	104.7	109.4	118.2	122.9	127.2	..	6.8	6.2
Mauritius	32.3	76.0	79.5	87.9	94.3	100.0	106.5	113.8	119.4	125.3	131.2	14.9	5.3	6.8
Mozambique	0.4	19.2	27.9	39.7	64.8	100.0	144.6	153.8	154.7	157.0	167.5	..	68.4	32.2
Namibia	17.0	64.2	75.6	82.1	90.9	100.0	108.0	117.6	126.5	134.1	140.8	..	13.1	9.8
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	2.0	15.9	23.0	36.8	57.8	100.0	129.3	140.0	154.5	169.1	185.2	17.7	23.2	32.6
Rwanda	23.0	42.0	46.0	50.0	82.0	100.0	108.9	122.0	130.3	136.8	143.6	11.1	1.9	16.4
São Tomé and Príncipe	..	32.8	41.7	52.3	66.3	100.0	145.5	246.5	350.7	403.0	432.8	..	27.4	37.7
Senegal	40.7	70.6	70.6	69.9	92.2	100.0	102.7	104.6	106.7	108.8	111.0	9.7	1.7	5.3
Seychelles	68.5	94.2	97.2	98.5	100.3	100.0	98.9	99.5	97.0	104.6	112.1	10.6	1.5	1.4
Sierra Leone	..	26.9	53.4	71.7	84.6	100.0	133.5	146.4	154.9	..	..	..	92.4	39.3
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	14.9	67.6	77.0	84.5	92.1	100.0	107.4	116.6	127.3	136.1	145.3	12.8	15.7	9.7
Sudan	0.1	6.0	13.0	28.5	58.5	100.0	214.3	282.9	305.5	..	..	22.9	39.8	88.6
Swaziland	16.7	65.0	70.4	78.2	89.0	100.0	106.4	114.1	123.8	133.7	143.4	14.4	13.5	9.6
Tanzania	2.0	37.5	45.8	57.3	74.6	100.0	125.7	147.2	162.5	176.1	185.0	19.6	30.7	22.7
Togo	43.1	62.9	63.9	63.8	86.4	100.0	104.6	112.0	113.1	116.0	119.2	11.1	0.7	7.7
Uganda	..	48.5	68.9	88.5	94.3	100.0	107.5	115.9	122.6	128.7	135.2	..	158.9	14.3
Zambia	0.1	6.3	16.8	48.5	74.5	100.0	146.3	182.6	234.9	297.1	332.8	14.7	57.0	63.8
Zimbabwe	..	36.8	52.3	66.7	81.6	100.0	121.4	144.5	196.1	282.5	325.8	..	11.2	26.4
NORTH AFRICA	22.8	64.7	77.3	85.3	92.3	100.0	107.9	116.5	125.2	136.5	131.2	8.2	19.3	8.6
Algeria	12.1	37.6	49.5	59.7	77.1	100.0	118.7	125.4	131.7	137.0	142.5	10.9	8.9	18.2
Egypt, Arab Republic	..	64.7	77.3	85.3	92.3	100.0	107.9	116.5	125.2	136.5	..	..	19.3	9.2
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tunisia	33.5	81.7	86.5	90.0	94.1	100.0	103.7	107.4	111.4	115.6	119.9	8.5	7.3	4.8
ALL AFRICA	20.7	64.1	69.2	70.9	89.0	100.0	108.0	116.6	126.9	135.1	142.5	9.8	12.7	10.2

Note: 2000 data are preliminary (see page 2). Group data are medians of individual country values for each year.



## 3-4. Official exchange rate

	National currency per U.S. dollar											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA														
excluding South Africa														
excl. S. Africa & Nigeria														
Angola	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	2.8	10.0	0.0	0.0	1.2
Benin	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	699.3	276.7	342.6	468.8
Botswana	0.8	2.0	2.1	2.4	2.7	2.8	3.3	3.7	4.2	4.6	4.7	0.9	1.9	3.1
Burkina Faso	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	638.0	276.7	342.6	463.2
Burundi	90.0	181.5	208.3	242.8	252.7	249.8	302.7	352.4	447.8	563.6	785.0	91.8	131.5	341.6
Cameroon	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	658.2	276.7	342.6	465.1
Cape Verde	40.2	71.4	68.0	80.4	81.9	76.9	82.6	93.2	98.2	102.7	115.9	46.6	78.9	85.6
Central African Republic	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	699.2	276.7	342.6	468.8
Chad	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	662.6	276.7	342.6	465.5
Comoros	211.3	282.1	264.7	283.2	416.4	374.4	383.7	437.7	442.5	461.8	534.0	276.7	342.6	377.5
Congo, Democratic Rep. of	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.3	1.6	4.0	147,181.8	0.0	0.0	13,380.8
Congo, Republic of	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	709.9	276.7	342.6	469.8
Côte d'Ivoire	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	646.8	276.7	342.6	464.0
Djibouti	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7
Equatorial Guinea	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	613.0	276.7	342.6	461.0
Eritrea	..	..	4.6	6.2	6.6	6.8	6.7	7.2	7.4	..	9.8	..	..	6.9
Ethiopia	2.1	2.1	2.8	5.0	5.5	6.2	6.4	6.7	7.1	7.9	8.2	2.1	2.1	5.4
Gabon	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	601.2	276.7	342.6	459.9
Gambia, The	1.7	8.8	8.9	9.1	9.6	9.5	9.8	10.2	10.6	11.4	13.0	2.3	6.4	9.9
Ghana	2.8	367.8	437.1	649.1	956.7	1,200.4	1,637.2	2,050.2	2,314.1	2,647.3	5,456.0	6.1	153.9	1,640.2
Guinea	19.0	753.9	902.0	955.5	976.6	991.4	1,004.0	1,095.3	1,236.8	1,387.4	1,709.6	21.1	370.4	1,061.2
Guinea-Bissau	0.5	56.3	106.7	155.1	198.3	278.0	405.7	583.7	590.0	615.7	712.0	0.6	11.8	339.6
Kenya	7.4	27.5	32.2	58.0	56.1	51.4	57.1	58.7	60.4	70.3	76.2	9.4	17.5	51.9
Lesotho	0.8	2.8	2.9	3.3	3.6	3.6	4.3	4.6	5.5	6.1	6.3	1.0	2.3	4.1
Liberia	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	41.5	41.9	40.8	1.0	1.0	12.0
Madagascar	211.3	1,835.4	1,864.0	1,913.8	3,067.3	4,265.6	4,061.3	5,090.9	5,441.4	6,283.8	6,767.5	297.7	1,083.7	3,825.9
Malawi	0.8	2.8	3.6	4.4	8.7	15.3	15.3	16.4	31.1	44.1	59.5	1.0	2.2	18.5
Mali	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	662.6	276.7	342.6	465.5
Mauritania	45.9	81.9	87.0	120.8	123.6	129.8	137.2	151.9	188.5	209.5	237.0	49.0	76.7	140.7
Mauritius	7.7	15.7	15.6	17.6	18.0	17.4	17.9	21.1	24.0	25.2	26.6	8.5	14.1	19.4
Mozambique	33.0	1,462.9	2,566.5	3,951.1	6,158.4	9,203.4	11,517.8	11,772.6	12,110.2	13,028.6	15,689.5	34.7	335.3	8,037.1
Namibia	0.8	2.8	2.9	3.3	3.6	3.6	4.3	4.6	5.5	6.1	6.8	1.0	2.3	4.2
Niger	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	699.2	276.7	342.6	468.8
Nigeria	0.5	9.9	17.3	22.1	22.0	21.9	21.9	21.9	21.9	92.3	101.7	0.6	3.7	32.8
Rwanda	92.8	125.1	133.4	144.3	220.0	262.2	306.8	301.5	312.3	333.9	390.0	93.7	85.0	237.5
São Tomé and Príncipe	34.8	201.8	321.3	429.9	732.6	1,420.3	2,203.2	4,552.5	6,883.2	7,119.0	7,923.5	36.5	69.7	2,902.8
Senegal	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	710.0	276.7	342.6	469.8
Seychelles	6.4	5.3	5.1	5.2	5.1	4.8	5.0	5.0	5.3	5.3	5.6	6.7	6.0	5.2
Sierra Leone	1.0	295.3	499.4	567.5	586.7	755.2	920.7	981.5	1,563.6	1,804.2	2,098.3	1.3	29.5	929.5
Somalia	6.3	..	..	..	..	..	..	..	..	..	..	9.1	175.6	..
South Africa	0.8	2.8	2.9	3.3	3.6	3.6	4.3	4.6	5.5	6.1	6.9	1.0	2.3	4.2
Sudan	0.1	0.7	9.7	15.9	29.0	58.1	125.1	157.6	200.8	252.6	252.0	0.1	0.3	100.2
Swaziland	0.8	2.8	2.9	3.3	3.6	3.6	4.3	4.6	5.5	6.1	6.7	1.0	2.3	4.2
Tanzania	8.2	219.2	297.7	405.3	509.6	574.8	580.0	612.1	664.7	744.8	800.4	9.2	71.4	509.4
Togo	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	560.6	276.7	342.6	456.2
Uganda	0.1	734.0	1,133.8	1,195.0	979.4	968.9	1,046.1	1,083.0	1,240.3	1,454.8	1,511.4	0.7	78.6	1,070.5
Zambia	0.8	64.6	172.2	452.8	669.4	864.1	1,207.9	1,314.5	1,862.1	2,388.0	3,110.8	0.9	8.5	1,103.3
Zimbabwe	0.6	3.6	5.1	6.5	8.2	8.7	10.0	12.1	23.7	38.3	44.4	0.8	1.8	14.8
NORTH AFRICA														
Algeria	3.8	18.5	21.8	23.3	35.1	47.7	54.7	57.7	58.7	66.6	75.3	4.3	5.6	42.6
Egypt, Arab Republic	0.7	3.1	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	14.6	0.6	0.7	4.2
Libya	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.3	0.3	0.4
Morocco	3.9	8.7	8.5	9.3	9.2	8.5	8.7	9.5	9.6	9.8	10.6	5.2	8.8	9.2
Tunisia	0.4	0.9	0.9	1.0	1.0	0.9	1.0	1.1	1.1	1.2	1.4	0.5	0.9	1.0
ALL AFRICA														

Note: 2000 data are preliminary. Uganda changed its currency in 1987 and Congo Dem. Rep. in 1993. Angola and Congo Dem. Rep. again changed their currency in 1998. Guinea-Bissau joined W.A.M.U. in 1997.

### 3-5. SDR exchange rate index

	SDRs per unit of national currency, index 1995=100											Annual Average		
	1980	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>														
excluding South Africa														
excl. S.Africa & Nigeria														
Angola	5.E+06	5.E+06	5.E+06	3.E+06	8.E+05	8.E+04	6,952	100	4	1	0	6.E+06	5.E+06	9.E+05
Benin	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Botswana	416	163	167	152	140	124	109	100	88	84	74	402	188	115
Burkina Faso	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Burundi	323	186	163	153	129	112	105	100	86	78	63	354	244	110
Cameroon	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Cape Verde	223	117	123	120	122	104	99	100	97	91	88	240	122	105
Central African Republic	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Chad	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Comoros	207	139	154	148	153	144	95	100	102	94	95	184	139	120
Congo, Democratic Rep. of	7.E+11	5.E+09	3.E+09	3.E+08	8.E+06	4.E+05	3,010	100				1.E+12	2.E+10	5.E+08
Congo, Republic of	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Côte d'Ivoire	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Djibouti	117	118	112	111	108	109	106	100	104	110	112	130	125	108
Equatorial Guinea	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Eritrea														
Ethiopia	347	352	333	330	274	134	120	100	101	101	97	386	373	177
Gabon	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Gambia, The	647	150	136	121	115	114	106	100	102	103	100	568	204	111
Ghana	50,406	524	408	359	296	201	132	100	76	64	57	76,474	1,429	188
Guinea	6,092	199	168	146	119	113	108	100	103	171		6,082	1,435	128
Guinea-Bissau	61,655	1,173	909	551	281	193	148	100	73	52	52	62,731	7,181	262
Kenya	796	292	247	205	170	100	98	100	93	96	94	727	369	134
Lesotho	543	164	157	146	137	121	108	100	89	87	74	510	202	113
Liberia	117	118	112	111	108	109	106	100	104	110	112	130	125	108
Madagascar	2,349	314	318	258	246	241	160	100	110	92	87	2,029	587	179
Malawi	2,199	656	627	605	470	377	211	100	104	103	59	2,087	910	295
Mali	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Mauritania	330	182	180	175	164	119	112	100	99	95	77	347	212	124
Mauritius	264	135	131	123	120	107	103	100	101	93	85	284	155	107
Mozambique	31,524	1,404	1,057	704	385	259	154	100	81	84	83	33,628	13,389	323
Namibia	543	164	157	146	137	121	108	100	89	87	74	510	202	113
Niger	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Nigeria	4,669	352	305	246	145	108	106	100	105	110	112	4,415	1,462	148
Rwanda	302	356	324	213	195	181	115	100	82	88	86	333	356	154
São Tomé and Príncipe	4,681	1,337	1,090	824	477	355	210	100	67	36	23	5,055	3,204	354
Senegal	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Seychelles	87	100	100	100	100	100	100	100	100	104	101	92	100	101
Sierra Leone	81,552	1,495	569	297	159	141	133	100	84	85	53	78,935	8,296	180
Somalia														
South Africa	543	164	157	146	137	121	108	100	89	87	74	510	202	113
Sudan	129,985	14,664	13,854	11,388	865	392	214	100	49	39	31	142,261	23,432	2,992
Swaziland	543	164	157	146	137	121	108	100	89	87	74	510	202	113
Tanzania	8,149	477	329	291	210	156	119	100	103	103	96	8,361	1,975	168
Togo	275	185	205	197	203	192	95	100	102	94	95	245	185	143
Uganda	1,520,277	545	256	150	92	88	105	100	97	99	88	1,025,920	7,512	119
Zambia	126,813	7,855	3,302	1,535	590	210	121	100	75	72	52	127,103	18,640	673
Zimbabwe	1,570	485	395	280	183	145	113	100	91	80	45	1,556	622	159
<b>NORTH AFRICA</b>														
Algeria	1,441	741	600	290	234	221	150	100	91	91	90	1,447	1,103	207
Egypt, Arab Republic	565	493	267	127	110	110	106	100	105	110	112	823	592	127
Libya	136	137	137	137	131	123	115	100	100	100		152	147	118
Morocco	253	119	116	109	108	100	98	100	102	99	99	225	121	104
Tunisia	272	118	120	114	115	102	99	100	101	94	93	254	140	104
<b>ALL AFRICA</b>														

Note: 2000 data are preliminary (see page 2). Guinea-Bissau joined the Western African Monetary Union (W.A.M.U.) in May, 1997. Some values for Angola and Congo, Dem. Rep. are in scientific notation.

## 3-6. Currency conversion factor

	Units of national currency per US dollar										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA														
excluding South Africa														
excl. S Africa & Nigeria														
Angola	..	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	2.8	10.0	..	0.0	1.2
Benin	211.3	282.1	350.6	283.2	555.2	499.1	511.6	583.7	590.0	615.7	712.0	276.7	342.6	477.8
Botswana	0.8	2.0	2.1	2.4	2.7	2.8	3.3	3.7	4.2	4.6	5.1	0.9	1.9	3.2
Burkina Faso	211.3	282.1	396.6	388.5	555.2	499.1	511.5	583.7	590.0	615.7	712.0	276.7	342.6	491.5
Burundi	90.0	181.5	208.3	242.8	252.7	249.8	302.8	352.4	447.8	563.6	720.7	91.8	131.5	335.8
Cameroon	209.2	268.6	280.4	265.4	435.0	518.5	501.8	541.1	602.1	588.4	656.3	265.6	356.7	450.8
Cape Verde	40.2	71.4	68.0	80.4	81.9	76.9	82.6	93.1	98.2	102.7	115.9	46.6	78.9	85.6
Central African Republic	211.3	282.1	264.7	283.2	555.2	499.1	511.6	582.4	590.0	615.7	712.0	276.7	342.6	469.8
Chad	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	712.0	276.7	342.6	469.9
Comoros	211.3	282.1	264.7	283.2	416.4	374.4	383.7	437.8	442.5	461.8	534.0	274.7	342.6	377.5
Congo, Democratic Rep. of	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.3	1.6	4.0	..	0.0	0.0	0.7
Congo, Republic of	211.3	282.1	264.7	396.1	555.2	499.1	511.6	583.7	590.0	615.7	712.0	276.7	342.6	480.2
Côte d'Ivoire	211.3	282.1	264.7	283.2	555.2	499.1	511.5	583.7	590.0	615.7	712.0	276.7	342.6	469.9
Djibouti	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7
Equatorial Guinea	110.6	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	613.0	146.9	342.6	460.9
Eritrea	..	..	4.6	6.2	6.6	6.8	6.7	7.2	7.4	8.5	9.8	..	..	7.1
Ethiopia	..	3.7	3.7	4.3	5.8	5.9	6.3	6.5	6.9	7.5	8.1	2.1	2.1	5.6
Gabon	211.3	282.1	264.7	349.6	555.2	499.1	511.5	583.7	590.0	615.7	712.0	276.7	342.6	476.0
Gambia, The	1.7	8.8	8.9	9.1	9.6	9.5	9.8	10.2	10.6	11.4	12.4	2.3	6.4	9.8
Ghana	9.6	367.8	437.1	649.1	956.7	1,200.4	1,637.2	2,050.2	2,314.1	2,647.3	5,321.7	17.5	157.0	1,628.0
Guinea	19.0	753.9	902.0	955.5	976.6	991.4	1,004.0	1,095.3	1,236.8	1,387.4	1,709.6	21.1	373.0	1,061.2
Guinea-Bissau	0.8	56.3	106.7	155.1	198.3	278.0	405.7	583.7	590.0	615.7	712.0	0.8	12.3	339.6
Kenya	7.4	27.5	32.2	58.0	56.1	51.4	57.1	58.7	60.4	70.3	76.2	9.4	17.5	51.9
Lesotho	0.8	2.8	2.9	3.3	3.6	3.6	4.3	4.6	5.5	6.1	6.9	1.0	2.3	4.2
Liberia	1.0	1.0	..	..	..	..	..	..	..	..	..	1.0	1.0	1.0
Madagascar	211.3	1,835.4	1,864.0	1,913.8	3,067.3	4,265.6	4,061.3	5,090.9	5,441.4	6,283.8	6,528.2	297.7	1,083.7	3,804.2
Malawi	0.8	2.8	3.6	4.4	8.7	15.3	15.3	16.4	31.1	44.1	59.5	1.0	2.2	18.5
Mali	211.3	282.1	265.3	283.2	555.2	499.1	511.5	583.7	590.0	615.7	712.0	276.7	342.6	470.0
Mauritania	45.9	81.9	87.0	120.8	123.6	129.8	137.2	151.9	188.5	209.5	238.9	49.0	76.7	140.9
Mauritius	7.7	15.7	15.6	17.6	18.0	17.4	17.9	21.1	24.0	25.2	26.3	8.5	14.1	19.4
Mozambique	32.4	1,462.9	2,566.5	3,951.1	6,158.4	9,203.4	11,517.8	11,722.6	12,110.2	13,028.6	15,447.1	34.3	328.8	8,010.6
Namibia	0.8	2.8	2.9	3.3	3.6	3.6	4.3	4.6	5.5	6.1	6.9	0.9	2.3	4.2
Niger	211.3	282.1	264.7	391.4	555.2	499.1	511.5	583.7	590.0	615.7	712.0	276.7	342.6	479.8
Nigeria	0.8	12.0	19.0	45.3	52.3	70.4	80.0	81.1	88.0	92.3	101.7	1.1	5.3	59.2
Rwanda	92.8	125.1	133.4	144.3	220.0	262.2	306.8	301.5	312.3	333.9	389.7	93.7	85.0	237.4
São Tomé and Príncipe	34.8	201.8	320.0	429.9	732.6	1,420.3	2,203.2	4,552.5	6,883.2	7,119.0	7,923.5	36.5	69.7	2,902.7
Senegal	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	712.0	276.7	342.6	469.9
Seychelles	6.4	5.3	5.1	5.2	5.1	4.8	5.0	5.0	5.3	5.3	5.6	6.7	6.0	5.2
Sierra Leone	1.0	295.3	499.4	567.5	586.7	755.2	920.7	981.5	1,563.6	1,804.2	2,092.1	1.3	29.1	928.9
Somalia	28.8	..	..	..	..	..	..	..	..	..	..	28.1	236.3	1,896.1
South Africa	0.8	2.8	2.9	3.3	3.6	3.6	4.3	4.6	5.5	6.1	6.9	1.0	2.3	4.2
Sudan	0.1	2.7	9.7	15.9	29.0	58.1	125.1	157.6	200.8	252.6	257.1	0.1	0.3	100.9
Swaziland	0.8	2.8	2.9	3.3	3.5	3.6	4.3	4.6	5.5	6.1	6.9	1.0	2.3	4.2
Tanzania	8.2	219.2	297.7	405.3	509.6	574.8	580.0	612.1	664.7	744.8	800.4	9.2	71.4	509.4
Togo	211.3	282.1	264.7	283.2	555.2	499.1	511.6	583.7	590.0	615.7	712.0	276.7	342.6	470.0
Uganda	1.0	550.9	960.8	1,201.8	1,101.0	932.5	1,012.0	1,058.1	1,149.7	1,362.1	1,512.0	2.1	53.2	1,014.6
Zambia	0.8	64.6	178.9	452.8	669.4	864.1	1,207.9	1,314.5	1,862.1	2,388.0	3,110.8	0.9	8.5	1,104.3
Zimbabwe	0.6	3.4	5.1	6.5	8.1	8.7	9.9	11.9	21.4	38.3	43.3	0.8	1.8	14.5
NORTH AFRICA														
Algeria	3.8	18.5	21.8	23.3	35.1	47.7	54.7	57.7	58.7	66.6	75.3	4.3	5.6	42.6
Egypt, Arab Republic	0.7	3.0	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.7	1.4	3.2
Libya	0.3	0.3	..	..	..	..	0.4	..	..	..	..	0.3	0.3	0.3
Morocco	3.9	8.7	8.5	9.3	9.2	8.5	8.7	9.5	9.6	9.8	10.6	5.2	8.8	9.2
Tunisia	0.4	0.9	0.9	1.0	1.0	0.9	1.0	1.1	1.1	1.2	1.4	0.5	0.9	1.0
ALL AFRICA														

Note: Off. exch. rate adjusted for some countries to better reflect the rate at which intl. transactions are carried out. G. Bissau joined W.A.M.U. in 1997.

## 3-7. Parallel market exchange rate

	National currency per U.S. dollar											Annual Average		
	1980	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>														
excluding South Africa														
excl. S Africa & Nigeria														
Angola	..	..	..	1,266.7	1,087.5	31,740	203,138	569,574	163,370	283,139	564,250	900.0	1,837.5	227,196
Benin	209.5	324.8	281.8	289.0	270.1	288.0	586.4	499.3	516.4	593.3	..	304.2	343.9	415.5
Botswana	0.8	2.3	1.9	2.4	2.5	2.8	2.9	2.8	3.4	3.7	4.4	1.2	2.4	3.0
Burkina Faso	209.5	324.8	281.8	17.1	16.8	288.0	586.4	499.3	516.4	593.3	..	304.2	343.9	349.9
Burundi	106.0	214.0	186.1	269.3	310.9	370.7	409.4	340.8	369.6	459.2	568.1	122.3	161.7	364.9
Cameroon	209.5	324.8	281.8	289.0	270.1	288.0	586.4	499.3	516.4	593.3	..	304.2	343.9	415.5
Cape Verde	..	..	..	88.0	79.5	87.0	92.0	89.3	89.5	99.5	0.0	..	..	78.1
Central African Republic	209.5	324.8	281.8	289.0	270.1	288.0	586.4	499.3	516.4	593.3	603.2	304.2	343.9	436.4
Chad	209.5	324.8	281.8	289.0	270.1	288.0	586.4	499.3	516.4	593.3	..	304.2	343.9	415.5
Comoros	209.5	324.8	281.8	289.0	270.1	288.0	446.0	390.6	415.6	467.6	468.3	304.2	343.9	368.6
Congo, Democratic Rep. of	6.4	469.4	738.1	19,318.8	756,558	3,112,921	1,210	7,452	52,429	160,358	69,064	14.3	182.6	464,450
Congo, Republic of	209.5	324.8	281.8	289.0	270.1	288.0	586.4	499.3	516.4	593.3	..	304.2	343.9	415.5
Côte d'Ivoire	209.5	324.8	281.8	289.0	270.1	288.0	586.4	499.3	516.4	593.3	..	304.2	343.9	415.5
Djibouti	..	217.9	191.8	213.8	205.8	212.0	208.6	198.5	192.1	183.9	184.0	..	207.8	198.9
Equatorial Guinea	209.5	324.8	281.8	289.0	270.1	288.0	586.4	586.4	516.4	593.3	..	304.2	343.9	426.4
Eritrea	..	..	..	..	..	..	..	..	..	..	0.0	..	..	0.0
Ethiopia	2.8	5.9	6.0	6.7	9.5	13.3	12.0	10.7	10.2	7.5	7.2	3.5	5.1	9.2
Gabon	209.5	324.8	281.8	289.0	270.1	288.0	586.4	499.3	516.4	593.3	..	334.6	343.9	415.5
Gambia, The	1.7	7.4	8.3	8.8	11.5	9.1	9.0	10.4	10.8	10.8	11.2	2.5	7.1	10.0
Ghana	15.9	328.8	360.8	382.2	451.6	665.7	976.4	1,224.3	1,663.4	2,080.7	2,334.8	41.7	222.1	1,126.7
Guinea	41.7	580.1	693.3	793.0	1,608.1	1,156.9	1,074.1	1,017.9	1,025.9	1,125.3	1,265.8	102.9	453.8	1,084.5
Guinea-Bissau	..	..	..	4,172.5	6,075.0	9,883.3	14,012.5	19,166.7	26,855.0	..	0.0	..	1,800.0	11,452.1
Kenya	8.2	22.4	23.3	30.0	44.4	91.7	66.8	53.4	59.5	62.1	63.6	11.9	19.0	55.0
Lesotho	..	2.7	2.7	2.9	3.0	3.5	3.8	3.7	4.5	4.7	5.6	1.4	2.5	3.8
Liberia	..	..	..	..	..	40.0	45.0	42.3	45.8	48.5	48.5	..	1.5	45.0
Madagascar	265.0	1,639.1	1,589.2	2,071.3	2,239.2	2,217.9	3,122.9	4,397.5	4,551.7	5,582.1	5,630.6	521.1	1,133.5	3,489.2
Malawi	1.6	3.6	3.3	3.9	4.6	5.9	9.2	16.7	16.5	17.6	33.3	1.7	2.8	12.3
Mali	209.5	324.8	281.8	289.0	270.1	288.0	586.4	499.3	516.4	593.3	..	304.2	343.9	415.5
Mauritania	65.0	..	..	213.3	221.7	247.5	145.0	139.3	144.0	158.9	194.3	93.2	178.0	183.0
Mauritius	..	16.0	15.7	17.1	16.8	18.3	18.4	18.2	19.4	21.4	24.4	..	14.5	18.8
Mozambique	80.0	1,250.0	..	2,100.0	2,800.0	3,950.0	6,875.0	9,865.7	12,172.5	12,533.7	12,851.3	322.2	1,793.8	7,893.5
Namibia	..	..	..	..	..	..	..	..	..	4.9	5.8	..	..	5.3
Niger	209.5	324.8	281.8	289.0	270.1	288.0	586.4	499.3	516.4	593.3	..	304.2	343.9	415.5
Nigeria	0.9	10.7	9.3	6.7	21.9	56.8	71.7	78.3	81.8	84.7	91.5	1.4	6.4	55.9
Rwanda	115.0	109.8	104.2	209.1	238.9	297.4	286.5	268.1	331.8	360.5	642.1	135.4	111.4	304.3
São Tomé and Príncipe	..	..	..	222.5	360.0	432.5	810.0	1,503.3	2,407.5	7,300.0	0.0	..	..	1,629.5
Senegal	209.5	324.8	281.8	289.0	270.1	288.0	586.4	499.3	516.4	593.3	..	304.2	343.9	415.5
Seychelles	..	..	5.9	5.7	5.5	5.4	5.5	5.5	5.4	5.5	5.7	..	..	5.6
Sierra Leone	1.4	180.9	470.6	535.7	845.1	647.5	618.7	741.3	942.1	1,137.9	2,024.4	2.1	86.5	884.8
Somalia	9.9	398.8	1,982.1	4,675.0	6,095.0	7,456.3	6,961.3	6,549.2	7,789.8	5,919.3	7,850.0	14.7	224.0	6,142.0
South Africa	0.9	2.7	2.7	2.9	3.0	3.5	3.8	3.7	4.5	4.7	5.7	1.2	2.5	3.8
Sudan	1.0	15.9	43.6	105.3	62.4	31.6	45.3	77.5	147.2	171.2	221.6	1.3	8.4	100.6
Swaziland	..	3.0	2.7	3.1	3.3	3.8	3.9	3.9	4.7	4.9	5.8	..	2.5	4.0
Tanzania	21.0	263.5	292.4	348.5	405.9	443.5	523.2	587.3	604.7	656.9	709.8	30.5	175.4	508.0
Togo	209.5	324.8	281.8	289.0	270.1	288.0	586.4	499.3	516.4	593.3	..	304.2	343.9	415.5
Uganda	75.7	597.5	685.8	859.2	1,365.4	1,515.8	1,289.2	1,076.2	1,135.2	1,178.1	1,333.8	203.8	3,681.6	1,159.8
Zambia	1.3	107.8	121.2	133.3	104.2	531.0	805.4	935.6	1,281.8	1,583.0	2,411.7	1.7	33.5	878.6
Zimbabwe	1.1	3.5	3.3	5.3	6.7	7.7	9.4	8.9	10.8	13.9	195.0	1.7	2.8	29.0
<b>NORTH AFRICA</b>														
Algeria	10.9	37.1	29.8	33.8	87.4	106.8	128.7	131.9	127.6	129.8	131.4	13.6	27.2	100.8
Egypt, Arab Republic	0.8	2.6	2.6	3.4	3.4	3.4	3.4	3.4	3.6	3.4	3.4	0.9	2.0	3.3
Libya	0.5	0.9	1.0	1.2	1.6	1.7	1.6	1.3	2.0	2.2	2.5	0.5	1.0	1.7
Morocco	4.1	9.2	9.3	9.2	8.9	9.4	9.4	8.6	8.8	9.7	9.8	6.0	9.1	9.2
Tunisia	0.4	1.0	0.9	1.0	1.0	1.0	1.1	0.9	1.0	1.1	1.2	0.6	0.9	1.0
<b>ALL AFRICA</b>														

Note: Rates are annual avg. of month-end est., based on a sample of transactions. G. Bissau joined the W.A.M.U. in 97. New Ugandan shilling introduced in 1987.

### 3-8. Ratio of parallel market to official exchange rates

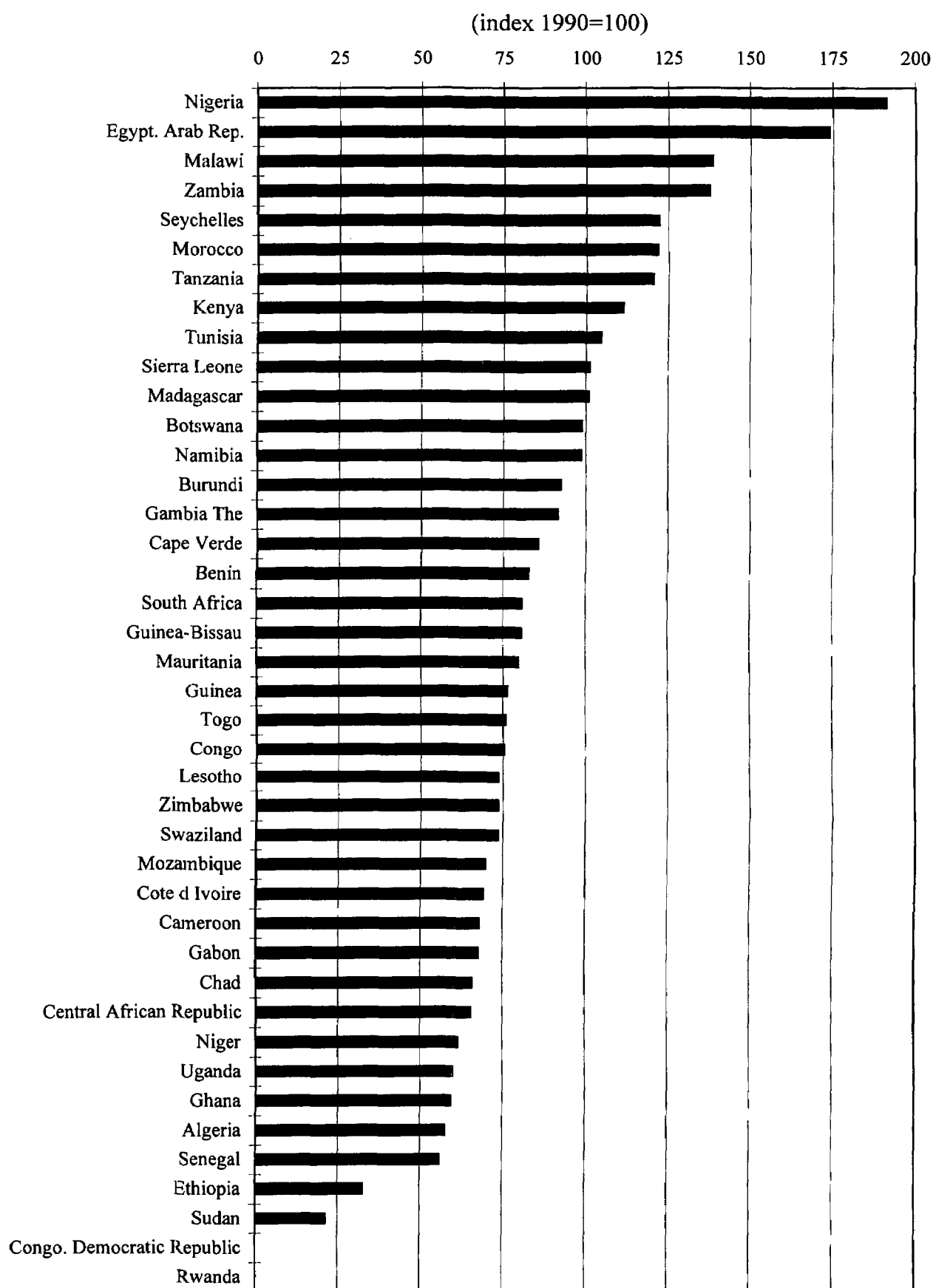
	Ratio of parallel market to official exchange rates											Annual Average		
	1980	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>														
excluding South Africa														
excl S Africa & Nigeria														
Angola	..	..	..	2.30E+10	4.33E+09	1.19E+10	3.41E+09	2.07E+08	1.28E+06	1.24E+06	1.44E+06	3.01E+10	6.14E+10	5.36E+09
Benin	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.00	1.01	1.02	..	1.03	1.01	1.02
Botswana	1.03	1.14	1.02	1.19	1.18	1.16	1.08	1.01	1.02	1.01	1.03	1.23	1.27	1.08
Burkina Faso	0.99	1.02	1.04	0.06	0.06	1.02	1.06	1.00	1.01	1.02	..	1.03	1.01	0.78
Burundi	1.18	1.35	1.09	1.48	1.49	1.53	1.62	1.36	1.22	1.30	1.27	1.28	1.22	1.37
Cameroon	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.00	1.01	1.02	..	1.03	1.01	1.02
Cape Verde	..	..	..	1.23	1.17	1.08	1.12	1.16	1.08	1.07	0.00	..	..	0.99
Central African Republic	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.00	1.01	1.02	1.02	1.03	1.01	1.02
Chad	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.00	1.01	1.02	..	1.03	1.01	1.02
Comoros	0.99	1.02	1.04	1.02	1.02	1.02	1.07	1.04	1.08	1.07	1.06	1.03	1.01	1.05
Congo, Democratic Rep. of	6.86E+11	3.69E+11	3.08E+11	3.72E+11	3.52E+11	1.24E+11	1.01E+05	1.06E+05	1.04E+05	1.22E+05	4.30E+04	6.49E+11	3.25E+11	1.28E+11
Congo, Republic of	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.00	1.01	1.02	..	1.03	1.01	1.02
Côte d'Ivoire	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.00	1.01	1.02	..	1.03	1.01	1.02
Djibouti	..	1.23	1.08	1.20	1.16	1.19	1.17	1.12	1.08	1.03	1.04	..	1.17	1.12
Equatorial Guinea	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.17	1.01	1.02	..	1.03	1.01	1.04
Eritrea	..	..	..	..	..	..	..	..	..	..	0.00	..	..	0.00
Ethiopia	1.35	2.85	2.90	3.24	3.39	2.66	2.20	1.74	1.61	1.12	1.01	1.70	2.48	2.21
Gabon	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.00	1.01	1.02	..	1.02	1.01	1.02
Gambia, The	0.99	0.98	1.05	1.00	1.29	1.00	0.94	1.09	1.10	1.06	1.05	1.06	1.10	1.07
Ghana	5.78	1.22	1.11	1.04	1.03	1.03	1.02	1.02	1.02	1.01	1.01	7.98	1.67	1.03
Guinea	2.20	0.98	1.05	1.05	1.78	1.21	1.10	1.03	1.02	1.03	1.02	4.62	3.42	1.14
Guinea-Bissau	..	..	..	74.13	56.95	63.72	70.65	68.94	66.19	..	0.00	..	105.43	57.22
Kenya	1.11	1.09	1.02	1.09	1.38	1.58	1.19	1.04	1.04	1.06	1.05	1.18	1.08	1.16
Lesotho	..	1.03	1.04	1.05	1.05	1.07	1.07	1.02	1.05	1.02	1.02	1.09	1.09	1.04
Liberia	..	..	..	..	..	40.00	45.00	42.30	45.80	48.50	1.17	..	1.50	37.13
Madagascar	1.25	1.02	1.06	1.13	1.20	1.16	1.02	1.03	1.12	1.10	1.03	1.53	1.05	1.09
Malawi	1.97	1.30	1.21	1.39	1.28	1.34	1.05	1.09	1.08	1.07	1.07	1.77	1.25	1.18
Mali	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.00	1.01	1.02	..	1.03	1.01	1.02
Mauritania	1.42	..	..	2.60	2.55	2.05	1.17	1.07	1.05	1.05	1.03	1.79	2.37	1.57
Mauritius	..	1.05	1.06	1.09	1.08	1.04	1.02	1.05	1.08	1.02	1.01	..	1.03	1.05
Mozambique	2.42	1.65	..	1.44	1.09	1.00	1.12	1.07	1.06	1.06	1.06	8.06	24.05	1.11
Namibia	..	..	..	..	..	..	..	..	..	1.06	1.04	..	..	1.05
Niger	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.00	1.01	1.02	..	1.03	1.01	1.02
Nigeria	1.65	1.45	1.16	0.68	1.27	2.57	3.26	3.58	3.74	3.87	4.18	2.09	2.24	2.70
Rwanda	1.24	1.37	1.26	1.67	1.79	2.06	1.30	1.02	1.08	1.20	2.06	1.44	1.31	1.49
São Tomé and Príncipe	..	..	..	1.10	1.12	1.01	1.11	1.06	1.09	1.60	0.00	..	..	1.01
Senegal	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.00	1.01	1.02	..	1.03	1.01	1.02
Seychelles	..	..	1.11	1.08	1.07	1.04	1.09	1.15	1.09	1.09	1.09	..	..	1.09
Sierra Leone	1.33	3.02	3.11	1.81	1.69	1.14	1.05	0.98	1.02	1.16	1.29	1.42	2.46	1.47
Somalia	1.57	0.81	..	..	..	..	..	..	..	..	..	1.45	1.76	..
South Africa	1.16	1.03	1.04	1.05	1.05	1.07	1.07	1.02	1.05	1.02	1.03	1.12	1.09	1.04
Sudan	20.00	35.33	96.89	151.39	6.40	1.98	1.56	1.33	1.18	1.09	1.10	16.25	23.50	29.21
Swaziland	..	1.14	1.04	1.12	1.16	1.16	1.10	1.08	1.09	1.06	1.05	..	1.11	1.10
Tanzania	2.56	1.84	1.50	1.59	1.36	1.09	1.03	1.02	1.04	1.07	1.07	3.02	3.08	1.20
Togo	0.99	1.02	1.04	1.02	1.02	1.02	1.06	1.00	1.01	1.02	..	1.03	1.01	1.02
Uganda	1,020.63	2.68	1.60	1.17	1.20	1.27	1.32	1.11	1.09	1.09	1.08	535.92	151.70	1.21
Zambia	1.65	7.80	4.00	2.06	0.61	1.17	1.20	1.08	1.06	1.20	1.30	1.69	3.17	1.52
Zimbabwe	1.71	1.65	1.35	1.46	1.31	1.19	1.15	1.03	1.08	1.15	8.23	2.09	1.55	1.99
<b>NORTH AFRICA</b>														
Algeria	2.84	4.88	3.33	1.83	4.00	4.57	3.67	2.77	2.33	2.25	2.24	3.08	4.82	3.00
Egypt, Arab Republic	1.14	3.00	1.68	1.08	1.02	1.01	1.00	1.00	1.06	1.00	1.01	1.42	2.74	1.10
Libya	1.69	3.00	3.53	4.27	5.62	5.57	4.99	3.76	5.53	5.77	6.30	1.64	3.47	5.04
Morocco	1.04	1.08	1.13	1.06	1.04	1.01	1.02	1.01	1.01	1.02	1.02	1.07	1.03	1.03
Tunisia	0.99	1.05	1.02	1.08	1.13	1.00	1.09	0.95	1.03	0.99	1.02	1.02	1.03	1.03
<b>ALL AFRICA</b>														

Note: 2000 data are preliminary (see page 2). Guinea-Bissau joined the WAMU in May, 1997. New Ugandan shilling = 100 old Ugandan shilling, introduced in 1987. Values for Angola and Congo, Dem. Rep. are in scientific notation.

### 3-9. Real effective exchange rate index

	Index 1990=100										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	113.4	95.7	92.9	89.8	79.9	79.2	83.7	79.9	86.0	81.7	78.8	69.6	106.9	86.1
excluding South Africa	112.0	95.4	92.5	89.8	79.9	79.0	82.3	79.9	84.4	80.6	76.6	68.7	107.6	85.5
excl S Africa & Nigeria	110.6	95.7	92.9	89.8	75.8	79.0	81.9	79.1	82.7	80.4	76.1	67.7	106.9	84.8
Angola	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Benin	..	98.7	102.5	102.3	69.0	79.5	81.5	80.0	86.0	83.0	..	..	93.1	88.2
Botswana	117.1	98.0	101.5	104.2	102.7	104.3	99.0	99.0	99.0	99.0	99.0	114.2	92.4	100.5
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	129.8	100.4	84.5	81.7	85.1	92.2	97.9	85.6	87.9	90.1	92.7	159.6	137.1	90.7
Cameroon	88.2	95.7	96.4	89.8	57.6	66.4	67.3	66.1	65.7	71.3	68.3	84.0	98.8	76.8
Cape Verde	88.7	89.0	90.2	87.6	88.0	89.6	89.0	92.1	94.2	89.1	85.8	97.2	100.1	90.4
Central African Republic	105.9	94.4	94.4	89.7	56.0	66.0	67.5	65.2	64.0	64.9	65.6	100.7	101.7	75.3
Chad	102.3	100.6	108.6	111.6	58.7	64.4	66.8	66.9	66.9	63.9	66.1	114.4	108.5	79.5
Comoros	..	93.6	96.3	97.3	..	..	..	..	..	..	..	98.0	104.9	96.8
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	102.2	89.5	90.0	89.2	69.3	79.0	75.2	77.6	79.9	80.3	75.5	102.2	102.1	82.3
Côte d'Ivoire	106.1	96.7	100.8	99.2	60.9	70.3	70.7	69.5	74.1	72.7	69.4	90.0	94.5	80.4
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	92.5	108.6	98.9	44.5	37.9	38.5	35.4	35.8	35.5	35.2	32.9	92.5	109.5	54.8
Gabon	113.4	87.1	87.2	84.1	56.5	62.5	63.9	62.4	67.8	68.7	67.9	102.5	98.7	73.5
Gambia, The	100.8	97.1	103.2	103.1	95.9	95.3	94.8	99.6	98.2	95.9	91.8	97.0	81.0	97.7
Ghana	..	102.3	90.3	79.4	63.8	73.5	80.1	84.9	91.9	92.3	59.6	341.2	139.7	83.5
Guinea	..	104.5	96.9	100.6	98.5	92.8	95.1	94.4	93.7	80.6	76.6	..	116.2	94.0
Guinea-Bissau	..	91.2	75.8	80.8	71.8	66.4	69.6	78.2	81.3	77.2	80.9	..	100.0	79.4
Kenya	142.5	98.1	102.5	87.2	113.1	117.8	113.4	105.3	106.9	108.9	111.5	141.2	120.5	105.9
Lesotho	118.4	66.2	92.2	86.9	79.9	85.9	88.5	72.8	73.8	73.8	74.9	116.8	109.9	81.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	193.1	87.3	92.9	102.7	90.2	81.9	104.1	93.6	94.5	91.9	101.1	200.0	130.3	94.5
Malawi	110.6	103.5	95.2	97.0	68.6	59.6	82.3	91.9	126.2	126.1	138.6	108.1	97.5	99.0
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	120.7	101.8	102.6	93.8	86.3	78.9	79.6	79.9	..	..	..	139.8	115.1	90.4
Mauritius	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mozambique	117.6	85.0	65.5	63.5	61.4	58.7	67.4	73.7	66.6	67.7	70.0	150.1	205.2	70.9
Namibia	129.0	98.3	103.3	103.5	103.8	104.4	96.5	99.6	93.1	98.9	..	133.6	105.3	100.1
Niger	..	87.4	82.8	79.3	55.2	62.1	65.5	65.7	67.2	63.2	61.8	..	108.0	71.8
Nigeria	350.6	85.0	70.5	77.2	142.8	122.1	167.7	193.1	203.6	193.3	191.4	431.4	282.8	140.6
Rwanda	83.3	76.0	73.4	85.1	128.7	78.0	85.2	102.2	103.2	104.8	106.4	60.9	112.9	94.8
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	108.2	93.7	93.3	91.0	58.8	63.7	64.2	59.9	61.2	59.8	56.2	98.2	106.9	72.9
Seychelles	90.6	99.2	99.5	106.0	104.5	102.1	97.3	101.1	101.1	101.1	122.4	103.8	109.4	103.1
Sierra Leone	122.8	101.1	92.1	102.5	116.6	105.4	106.0	122.8	104.3	121.6	101.4	173.7	166.9	106.7
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	133.9	104.2	107.7	105.5	100.8	97.8	90.2	96.5	87.4	82.7	81.0	134.6	97.3	95.8
Sudan	45.0	176.9	28.2	27.9	33.0	25.4	25.3	26.2	19.9	21.5	..	43.4	47.1	48.4
Swaziland	..	66.2	92.2	86.9	79.9	85.9	88.5	72.8	73.8	73.8	73.8	167.6	127.3	81.3
Tanzania	..	98.8	86.8	94.0	93.6	97.7	118.3	125.6	135.5	135.5	120.6	..	138.3	109.7
Togo	..	95.0	96.5	93.1	61.9	71.8	73.6	75.7	82.7	76.1	..	117.5	104.9	82.6
Uganda	..	61.2	49.2	50.4	61.0	65.9	64.8	66.2	67.7	58.9	60.0	..	133.2	64.1
Zambia	135.0	93.2	89.3	101.4	97.5	93.4	97.7	117.0	127.4	134.4	137.8	143.7	85.3	108.1
Zimbabwe	165.4	66.2	92.2	86.9	79.9	85.9	88.5	72.8	73.8	..	..	167.1	127.3	82.9
NORTH AFRICA	150.6	99.3	102.2	103.3	104.9	107.8	109.0	109.5	110.9	111.7	122.0	148.9	120.0	107.3
Algeria	143.1	59.6	60.8	74.0	64.7	53.7	55.8	61.4	64.3	59.2	57.9	166.3	163.2	64.7
Egypt, Arab Republic	..	96.3	101.4	108.7	112.6	118.9	126.9	131.2	156.3	162.2	174.1	..	104.7	126.2
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	156.8	102.4	103.1	105.9	108.3	111.9	113.7	114.7	117.5	118.7	122.0	139.6	109.3	110.7
Tunisia	150.6	102.5	104.7	100.7	101.5	103.7	104.4	104.3	104.1	104.8	..	148.9	116.3	103.1
ALL AFRICA	117.4	96.3	93.3	91.0	79.9	80.7	86.8	82.4	87.4	82.9	80.9	72.2	107.9	87.4

Note: 2000 data are preliminary (see page 2).

**Figure 3-1. Real effective exchange rate, 2000\***

## Technical notes

### Tables

**Table 3-1. GDP deflator (local currency series).** The implicit GDP deflator for national currency series is obtained by dividing, for each year of the time series, the value of GDP at current prices (World Bank country desks) by the value of GDP at constant 1995 prices (World Bank country desks), both in national currency.

**Table 3-2. GDP deflator (US dollar series).** The GDP deflator for US dollar series (with base year 1995 = 100) (World Bank country desks) is obtained by dividing, for each year of the time series, the value of GDP at current U.S. dollars (Table 2-5) by the value of GDP at constant 1995 dollars (Table 2-1). GDP at current U.S. dollars was obtained by converting current national series at single-year exchange rates, while GDP at constant 1995 dollars was obtained by converting constant national series at 1995 prices at a fixed (1995) exchange rate. As a result, the GDP deflator for US dollar series includes both the effects of domestic price changes and the effects of exchange rate variations.

**Table 3-3. Consumer price index.** Consumer price indexes (IMF, *IFS*, line 64) are generally compiled using the Laspeyres formula: goods in the consumption basket selected according to consumption patterns in the base year, derived from household expenditure surveys, are weighted by their relative prices in the base year. The data often relate only to selected representative income groups in capital cities or ma-

jor urban areas. Thus, the consumer price indexes shown for some countries may not accurately represent price movements because the underlying consumption basket may not be representative of overall national consumption patterns, and the weights assigned to prices may be outdated.

**Table 3-4. Official exchange rate.** The official exchange rate (IMF, *IFS*, line rf) is expressed as the annual average of the official market exchange rate in national currency per US dollar.

**Table 3-5. SDR exchange rate index.** This index is based on the average annual exchange rate for SDRs per unit of national currency (IMF, *IFS*, line rd-zf).

**Table 3-6. Currency conversion factor.** These are the annual exchange rates used by the World Bank (World Bank country desks) to convert national currency series into U.S. dollars. For most countries, in most years, the conversion factor is identical to the average annual official exchange rate. However, where the official exchange rate is judged to diverge by an exceptionally large margin from the rate effectively applied to international transactions, a more appropriate conversion factor is estimated. An alternative conversion factor is used when there are egregious differences between the official and effective transaction rates, when officially recognized multiple exchange rates have analytically significant spreads, or when exchange rates need to be adjusted to a fiscal year base. The objective in estimating alternative conversion factors is to approximate as closely as possible



exchange rates actually used. For example, where multiple exchange rates are maintained, a transaction-weighted rate is calculated.

Note that national statistical compilers sometimes use an official exchange rate to assign a national currency value to international transactions originally denominated in foreign currencies. In these cases, the official rate must be used to convert the same items back to dollars, regardless of whether it was the rate actually applied to the international transactions, even if an alternative conversion factor is used for other components of GDP.

**Table 3-7. Parallel market exchange rate.** Data reported here are from *Pick's Currency Yearbooks* and *Currency Alerts* (now discontinued) and *Global Currency Report*. They are averages of month-end rates for the period covered, based on a sample of transactions, usually in a capital city or a financial center of the country. They include the rates at the *Bureaux de Change* that have been established in some countries with auction markets as semi-official foreign exchange windows for small transactions. The current table corrects some errors contained in *ADI 1994-95*.

**Table 3-8. Ratio of parallel market to official exchange rates.** This ratio is obtained by dividing parallel market exchange rates (Table 3-7) by official

exchange rates (Table 3-4), to measure the premium on the official exchange rate. The premium is usually high in the presence of an overvalued exchange rate. This table reflects the corrected series for Table 3-7.

**Table 3-9. Real effective exchange rate index.** This index (IMF, *IFS Database*) gives a measure of price competitiveness of the country's exports relative to its trading partners. A decline (increase) in the index indicates real depreciation (appreciation) of the exchange rate. The data have been rebased to 1990. The year 1987 coincided with the early period of massive devaluations in the process of adjustment by several Sub-Saharan African countries. As a result, the substantial devaluations that continued to take place after 1987 may not be very pronounced in the data. Relative movements in the inflation rates between a country and the trading partner(s) may diminish the real impact of a devaluation, particularly if inflationary tendencies are stronger domestically than abroad.

## Figure

The following indicator has been used to derive the figure in this chapter.

**Figure 3-1.** Real effective exchange rate (Table 3-9).

### Methodology used for regional aggregations and period averages in chapter 3

Table	Aggregations <sup>a</sup>			Period averages <sup>b</sup>	
	(4)	(7)	(8)	(1)	(2)
3-1		x		x	
3-2	x			x	
3-3		x			x
3-4			x	x	
3-5			x	x	
3-6			x	x	
3-7			x	x	
3-8			x	x	
3-9		x		x	

*Note:* Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).

## Money and Banking

**M**onetary variables directly affect prices and exchange rates and indirectly affect real economic performance. Money plays a vital role in any modern economy. Data in this chapter are concerned with the creation of the types of assets that transactors in the economy wish to hold from the types of liabilities that debtors are willing to incur. However, emphasis here is on the creation of the means of payment, that is, on the more liquid end of the liquidity spectrum for assets.

Money and the institutions that deal in money provide cover against credit risks, limit transactions costs, help mobilize savings, allocate credit, and facilitate investment and hence growth of the economy. Data on money and banking help to assess the prevailing

financial conditions of a country and to arrive at a proper evaluation of the financial policy options open to a country for achieving its macroeconomic objectives. The government usually intervenes in finance to control the supply of money and credit. The primary objective of such intervention is to maintain price stability. However, the government may also intervene to finance a budget deficit that in turn may threaten price stability. The government also ensures that financial institutions are properly supervised to ensure continued confidence in the financial system and to avoid destabilizing runs on the banking system. Time series are provided for nine indicators in this section.

## 4-1. Domestic Credit

	Level 1995	Percentage annual change											Average annual percentage growth		
		1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	..	20	11	11	6	20	11	11	14	11	10	7	21	14	11
excluding South Africa	..	19	11	11	5	20	11	10	13	11	10	6	22	14	11
excl. S.Africa & Nigeria	..	18	10	10	4	20	11	11	14	11	10	7	22	14	11
Angola	8	..	..	..	..	..	..	404	340	156	176	-1,187	..	..	..
Benin	117,710	49	-30	-4	-26	74	21	4	-24	2	6	71	9	..	-4
Botswana	-4,747	-26	0	14	10	20	-3	16	146	19	0	-65	..	-54	20
Burkina Faso	66,293	3	-10	-16	-5	4	-14	30	116	9	5	21	-32	68	10
Burundi	39,933	20	16	-6	4	16	-14	52	20	25	34	12	-12	..	12
Cameroon	791,344	28	21	-34	-3	-1	-1	-4	6	9	9	5	-11	13	..
Cape Verde	21,027	39	27	17	19	23	19	11	21	6	11	17	-17	-4	-6
Central African Republic	63,333	39	18	-18	0	31	-4	-4	-2	11	14	26	-11	..	16
Chad	71,325	-1	17	12	-15	30	-10	28	0	2	8	46	-13	..	-8
Comoros	12,449	..	11	8	-20	9	0	-18	3	-2	20	3	..	2	-12
Congo, Democratic Rep. of	7	22	1,404	2,862	1,648	5,299	182	..	..	..	..	..	3	84	26
Congo, Republic of	183,036	17	3	4	-32	3	10	8	14	11	9	-3	-2	-13	7
Côte d'Ivoire	1,540,052	23	0	2	-3	6	12	3	8	5	-1	6	-20	35	6
Djibouti	45,598	..	3	8	-2	10	17	7	-3	-4	-31	53	..	-36	29
Equatorial Guinea	20,829	..	91	-12	-26	47	1	11	16	-15	36	-52	..	..	6
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	14,087	18	10	14	6	9	11	19	8	9	27	9	-4	7	-1
Gabon	453,735	11	3	-7	1	25	15	-4	14	26	-4	-4	-13	-27	29
Gambia, The	281	23	-100	-223,914	-17	-13	41	9	35	17	31	-16	-3	..	..
Ghana	1,850,561	28	82	45	52	19	53	20	73	23	54	-22	1	-12	9
Guinea	282,366	..	..	24	9	18	29	17	-7	-7	..	..	..	..	..
Guinea-Bissau	2,171	..	-70	30	52	14	-50	58	234	15	44	42	..	..	-10
Kenya	198,876	13	19	18	-2	50	37	19	21	9	10	42	-6	-13	3
Lesotho	-270	..	-3	-39	-37	-71	-616	83	52	25	-98	3,444	..	29	..
Liberia	1,692	2	..	14	11	6	14	11	5	1,783	-9	12	7	30	15
Madagascar	2,506,189	50	12	28	16	29	-3	-2	2	29	10	-11	1	-27	-3
Malawi	2,644	12	21	65	14	36	-3	16	12	-3	75	-13	-16	31	12
Mali	136,883	5	-3	2	12	20	15	0	29	29	18	11	-9	..	10
Mauritania	32,877	13	10	0	7	-1	-37	-36	-38	-66	-87	-1,488	-16	44	..
Mauritius	46,369	14	25	19	25	23	13	6	26	22	9	7	-9	2	-5
Mozambique	887,600	..	38	-3	-39	131	28	-40	107	4	192	36	..	1	6
Namibia	5,595	..	10	91	29	28	31	22	-1	9	9	15	..	..	-12
Niger	81,241	45	-10	-4	-17	25	-17	10	23	3	3	1	-3	..	..
Nigeria	474,361	23	15	142	64	56	8	-22	-1	40	23	-18	-21	31	-5
Rwanda	44,016	12	-15	33	23	-7	-7	-2	61	13	13	8	4	10	-4
São Tomé and Príncipe	22,360	..	..	..	..	..	..	22	-110	-783	-30	-322	..	..	..
Senegal	538,122	16	-2	-1	-2	7	2	7	2	6	8	0	-13	-13	..
Seychelles	1,615	12	10	11	25	20	15	16	23	31	15	12	-3	15	2
Sierra Leone	426,184	35	24	-8	1	1,076	-12	6	11	7	13	18	-3	1	-16
Somalia	31	..	..	..	..	..	..	..	..	..	..	..	-6	16	..
South Africa	333,490	21	..	..	12	21	12	18	16	17	9	14	3	1	-2
Sudan	46,238	22	56	153	65	48	47	114	18	24	23	4	-6	16	-16
Swaziland	328	0	-67	68	109	163	-36	-45	-15	-269	7	-239	-17	..	..
Tanzania	693,880	24	13	23	40	11	11	-15	-1	17	23	-29	-6	14	-8
Togo	169,769	13	10	-7	2	21	44	10	7	11	-7	0	-20	..	-30
Uganda	234,994	64	..	..	-4	-13	-42	34	38	31	15	60	19	..	..
Zambia	1,921,138	17	137	..	..	123	63	21	0	71	13	-59	-8	62	-15
Zimbabwe	20,496	28	29	43	59	20	19	27	83	41	7	96	..	15	3
<b>NORTH AFRICA</b>	..	18	9	11	7	10	15	6	15	9	12	2	20	11	10
Algeria	968,930	17	17	32	17	4	25	10	10	9	25	-20	-3	-13	1
Egypt, Arab Republic	157,300	42	8	4	7	13	17	14	16	19	12	3	-3	3	-5
Libya	11,529	-11	9	1	4	10	8	-4	-16	2	3	2	-11	8	-17
Morocco	166,721	18	19	11	9	11	15	6	49	9	3	2	-7	-3	-11
Tunisia	9,746	19	8	11	5	6	7	0	15	8	14	28	-2	-5	4
<b>ALL AFRICA</b>	..	18	10	11	6	20	11	10	14	10	10	5	21	14	10

Note: 2000 data are preliminary (see page 2). Levels for 1995 are expressed in millions of units of national currency. Group data are medians of individual country values in each year or period.

## 4-2. Credit to the private sector

	Level 1995	Percentage annual change											Average annual percentage growth		
		1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		15	12	7	11	14	17	13	20	14	11	16	17	14	14
excluding South Africa		15	12	7	11	14	17	13	22	14	11	16	17	13	14
excl S Africa & Nigeria		15	12	6	10	13	17	13	20	13	11	16	16	13	13
Angola	1	..	..	..	..	..	..	3,595	241	-1	391	102	..	..	..
Benin	80,447	34	-16	-20	-2	11	7	27	-30	40	61	14	-17	..	..
Botswana	1,560	10	43	36	12	12	-3	4	9	39	43	23	-2	1	-6
Burkina Faso	80,590	4	-23	-12	-9	-17	9	13	80	10	3	16	-27	5	2
Burundi	30,648	14	39	7	35	8	-15	31	7	26	29	46	-9	57	0
Cameroon	371,390	29	0	-55	-8	0	1	4	-10	23	12	..	-5	..	..
Cape Verde	10,391	-14	15	20	59	1	37	17	20	12	12	-3	-10	3	-6
Central African Republic	23,159	50	-9	-37	-5	17	24	0	4	16	-1	11	-24	..	-1
Chad	27,790	-2	-8	-1	-33	14	17	8	-3	17	0	..	-7	..	..
Comoros	9,525	..	7	3	-12	-3	10	-29	25	-17	23	9	..	-3	2
Congo, Democratic Rep. of	4	32	744	4,696	1,889	22,432	474	..	..	..	..	..	1	13	89
Congo, Republic of	85,683	23	3	-1	-46	15	13	14	9	5	41	2	6	-22	5
Côte d'Ivoire	1,016,035	12	-1	-11	-5	-5	19	2	13	1	-7	4	-18	..	..
Djibouti	37,901	..	-3	-1	-6	2	13	3	-1	9	-35	54	..	-32	..
Equatorial Guinea	3,397	..	52	-37	-74	13	51	82	94	18	51	27	..	..	24
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	3,706	-30	1	52	116	47	86	74	24	9	29	1	-29	-7	12
Gabon	196,080	16	7	-28	-3	0	25	-2	41	6	0	-20	-12	-8	-2
Gambia, The	363	19	14	-24	59	7	-10	0	23	14	20	18	-7	-11	-2
Ghana	393,289	18	-6	56	35	46	44	73	70	42	50	89	9	-4	3
Guinea	181,518	..	..	34	22	11	26	4	-1	-13	..	..	..	..	..
Guinea-Bissau	6,129	..	7	27	78	53	-8	20	51	13	-22	64	..	..	-4
Kenya	118,189	20	22	31	5	28	50	24	25	1	11	4	-8	5	-13
Lesotho	674	-10	31	16	59	39	-4	0	46	-15	2	3	-5	-1	-21
Liberia	191	-39	..	53	-12	64	-20	-60	36	1,040	-21	-23	-10	79	..
Madagascar	1,563,020	26	12	6	15	26	16	2	14	1	7	23	14	-22	-9
Malawi	1,264	8	28	34	-12	54	5	12	15	98	6	49	-13	..	-5
Mali	131,787	8	2	7	3	-9	52	31	16	27	14	15	-22	..	29
Mauritania	31,417	13	11	2	3	3	-27	13	8	7	18	22	-10	30	1
Mauritius	32,879	9	17	23	28	20	15	5	26	31	10	11	-3	-1	-5
Mozambique	2,374,200	..	44	45	14	58	54	46	50	27	32	7	..	40	-7
Namibia	4,743	..	17	30	30	31	34	19	16	9	4	17	..	..	-13
Niger	42,004	20	-9	-4	-10	10	-41	3	-18	39	-3	29	-21	..	..
Nigeria	201,785	38	26	141	18	61	42	25	23	18	22	30	-19	12	1
Rwanda	28,538	46	-17	26	17	-9	74	1	56	20	11	20	-20	-13	3
São Tomé and Príncipe	6,694	..	..	..	..	..	..	32	36	88	24	-9	..	..	..
Senegal	357,834	16	-4	6	2	-17	2	16	4	2	11	6	-20	9	9
Seychelles	245	3	9	5	10	21	17	10	44	19	9	22	-6	..	5
Sierra Leone	17,600	28	154	28	44	12	5	23	25	6	-13	12	4	31	-19
Somalia	..	-5	..	..	..	..	..	..	..	..	..	..	17	64	..
South Africa	327,114	26	..	..	11	18	16	17	14	16	10	15	7	4	-2
Sudan	13,068	29	83	90	69	96	48	144	23	13	-2	64	-2	-7	1
Swaziland	928	15	40	3	9	22	2	6	12	6	6	7	-13	63	-14
Tanzania	201,015	11	32	-12	40	20	-10	-42	43	44	26	10	-1	78	-16
Togo	131,241	13	12	0	-8	-1	28	7	10	4	-10	1	-18	-6	-11
Uganda	246,361	85	..	..	56	12	28	31	-1	33	22	19	5	..	-5
Zambia	253,971	10	57	..	..	98	81	47	10	3	31	42	-10	74	-15
Zimbabwe	15,276	18	70	42	44	29	28	21	49	37	13	130	..	116	0
NORTH AFRICA		13	9	14	10	11	9	10	12	12	20	15	18	9	12
Algeria	103,499	14	32	-77	1	25	7	33	-21	19	35	..	-4	-13	8
Egypt, Arab Republic	66,777	-9	1	25	19	32	37	26	26	27	20	19	-3	-6	8
Libya	3,475	8	2	7	10	7	8	-17	8	0	28	0	-1	..	-9
Morocco	90,906	13	34	15	11	11	15	10	54	12	9	10	-4	..	-6
Tunisia	9,274	22	9	14	7	8	9	1	12	10	10	24	-1	1	0
ALL AFRICA		14	12	7	10	14	16	13	18	14	11	16	17	13	14

Note. 2000 data are preliminary (see page 2). Levels for 1995 are expressed in millions of units of national currency. Group data are medians of individual country values in each year or period.

## 4-3. Credit to the government

	Level	Percentage annual change											Average annual percentage growth		
	1995	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	..	20	11	16	2	35	2	8	4	16	11	-7	26	14	..
excluding South Africa	..	20	11	16	2	34	3	8	2	16	11	-7	26	14	..
excl. S. Africa & Nigeria	..	23	11	15	2	34	4	8	4	16	11	-7	27	15	..
Angola	7	..	..	..	..	..	..	86	538	322	122	-2,063	..	..	..
Benin	36,262	-9	-178	-172	-308	-274	73	-45	8	-125	1,037	-78	..	..	..
Botswana	-6,426	15	7	19	11	19	-3	13	113	23	5	-65	-10	-25	-2
Burkina Faso	-14,605	46	-51	4	-25	-115	-704	-63	-500	-7	27	133	..	-60	..
Burundi	7,694	9	-4	-27	-58	93	-20	136	64	20	43	-72	13	-34	..
Cameroon	410,935	40	149	16	1	-2	-3	-11	21	-2	8	-7	..	..	..
Cape Verde	10,732	188	36	15	-3	46	6	4	20	0	11	36	-41	26	-1
Central African Republic	40,174	26	51	-3	2	38	-15	-6	-6	8	23	8	-6	..	..
Chad	43,535	0	81	44	-1	38	-21	40	-1	-9	15	6	-10	..	..
Comoros	2,924	..	25	23	-41	49	-23	17	-41	62	11	-9	..	..	-13
Congo, Democratic Rep. of	2	18	1,459	2,786	1,628	3,914	-3	..	..	..	..	..	3	143	..
Congo, Republic of	96,501	7	6	24	-18	-5	8	3	20	17	-16	-9	8	..	-5
Côte d'Ivoire	510,099	-52	6	70	2	35	1	6	0	13	11	-34	-8	..	-22
Djibouti	7,697	..	-53	-165	123	112	37	30	-13	-60	17	37	..	..	..
Equatorial Guinea	17,432	..	168	26	5	53	-5	-3	-13	-42	11	-29	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	9,916	18	14	15	-1	24	-4	-3	-3	10	24	25	-26	16	..
Gabon	246,554	-3	-6	47	7	50	8	-4	-6	52	-9	14	..	..	..
Gambia, The	-82	28	65	-113	-453	38	-60	-30	-43	-22	-194	247	-9	..	..
Ghana	1,420,078	30	149	42	57	13	51	8	76	16	57	-7	-2	22	-11
Guinea	100,355	..	..	11	-13	35	36	42	-15	4	..	..	..	..	..
Guinea-Bissau	-3,959	..	-100	988	-979	324	72	-1	-108	85	1,383	48	..	..	-10
Kenya	69,644	11	15	0	-10	89	17	7	16	10	-8	-5	-2	59	2
Lesotho	-944	329	-30	-120	773	97	44	24	49	2	-51	108	-19	-4	-10
Liberia	1,498	49	..	11	15	-1	20	19	4	1,824	-8	13	-13	25	18
Madagascar	943,169	81	11	68	16	33	-24	-7	-21	102	14	-53	-17	-23	..
Malawi	1,380	18	11	117	41	24	-9	20	11	-93	1,741	-98	-14	-24	41
Mali	5,096	2	-80	-374	-239	639	-84	-799	-37	16	-15	-25	0	..	..
Mauritania	1,411	13	5	-6	24	-17	-85	-1,118	77	44	30	40	1	53	11
Mauritius	13,358	18	49	10	20	32	11	9	26	-1	-2	4	-25	..	-5
Mozambique	-1,486,000	..	62	335	95	26	75	97	36	36	-4	-10	..	..	-12
Namibia	796	..	33	-303	27	4	20	49	-79	16	115	-17	..	..	14
Niger	39,237	-59	-13	-6	-39	102	50	17	62	-14	8	-19	-12	16	-6
Nigeria	272,350	6	3	181	98	55	-8	-56	-57	181	27	-138	-12	38	10
Rwanda	15,365	132	-13	41	28	-7	-50	-7	70	-1	19	-20	..	-15	..
São Tomé and Príncipe	15,665	..	..	..	..	..	..	18	-178	-68	231	247	..	..	..
Senegal	179,488	53	2	-26	-23	174	3	-10	-5	18	4	-16	-18	-25	..
Seychelles	1,369	118	11	13	28	20	15	17	19	33	16	10	-8	-9	1
Sierra Leone	408,584	37	11	-16	-14	1,689	-12	5	10	7	14	19	-6	-8	-18
Somalia	..	38	..	..	..	..	..	..	..	..	..	..	-28	-12	..
South Africa	6,376	0	..	..	51	112	-60	81	79	50	-7	3	-25	..	-18
Sudan	33,177	19	48	176	65	34	47	101	16	30	34	-26	-13	19	-8
Swaziland	-600	27	102	-3	-6	-28	50	34	19	50	6	-110	..	..	-18
Tanzania	492,865	25	1	55	40	7	23	-4	-12	6	21	-30	-7	12	-7
Togo	38,278	14	59	66	-57	-278	177	20	-3	32	0	-2	..	..	..
Uganda	-11,367	58	..	87,960	-21	-28	-105	-26	-1,469	26	-4	209	19	136	..
Zambia	1,667,167	20	148	..	..	126	60	17	-2	86	11	-67	-23	42	-16
Zimbabwe	5,051	41	-26	50	105	6	-4	43	167	53	-5	53	..	6	14
<b>NORTH AFRICA</b>	..	21	6	-2	2	5	8	3	12	3	5	-3	20	13	5
Algeria	864,285	24	-5	253	20	1	28	7	15	8	24	-64	-5	-17	1
Egypt, Arab Republic	86,799	60	10	-2	2	5	5	5	7	10	5	-15	-2	8	-13
Libya	8,055	-20	12	-2	2	11	8	1	-24	3	-12	-3	-13	..	-31
Morocco	74,178	21	6	8	7	10	14	3	12	-1	-11	24	-10	3	8
Tunisia	473	2	6	-13	-14	-12	-16	-22	81	-17	97	66	-1	-26	..
<b>ALL AFRICA</b>	..	20	11	15	2	32	5	6	7	12	11	-7	21	13	7

Note: 2000 data are preliminary (see page 2) Levels for 1995 are expressed in millions of units of national currency Group data are medians of individual country values in each year or period

## 4-4. Net foreign assets

	Billions of units of national currency											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA														
excluding South Africa														
excl S Africa & Nigeria														
Angola	..	..	..	..	..	0	0	0	0	6	31	..	..	6
Benin	-23	41	65	70	160	146	173	215	206	298	354	-17	-43	157
Botswana	0	8	9	11	11	12	19	22	28	30	25	0	3	16
Burkina Faso	0	76	90	106	164	236	220	204	183	170	147	6	58	151
Burundi	5	18	30	35	45	54	47	46	32	33	32	3	6	35
Cameroon	-14	-182	-182	-236	-318	-343	-302	-204	-195	-191	..	13	-60	-234
Cape Verde	2	4	5	6	6	5	7	6	6	8	10	2	5	6
Central African Republic	3	14	13	21	85	92	101	90	66	66	68	1	14	58
Chad	-4	20	11	-1	14	48	55	47	35	24	0	0	12	26
Comoros	..	7	7	11	16	16	19	19	15	20	23	4	6	15
Congo, Democratic Rep. of	0	0	0	0	0	0	..	..	..	..	..	0	0	0
Congo, Republic of	8	-20	-19	-4	4	15	25	18	-44	-11	-99	-3	-22	-13
Côte d'Ivoire	-223	-474	-511	-515	-72	58	62	100	114	25	322	-211	-409	-126
Djibouti	..	45	35	37	36	34	28	26	24	34	42	21	32	35
Equatorial Guinea	..	-9	-10	-7	-14	-10	-7	-7	-6	1	14	..	-5	-6
Eritrea	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Ethiopia	0	0	1	2	5	5	4	5	6	5	5	0	0	3
Gabon	16	18	-29	-33	52	9	86	69	-64	-74	110	35	-20	13
Gambia, The	0	0	1	1	1	1	1	1	1	1	1	0	0	1
Ghana	0	-11	-126	-146	14	181	206	244	311	-744	278	-2	-111	5
Guinea	..	76	105	159	112	97	80	151	176	..	128	..	..	120
Guinea-Bissau	..	-2	-4	-5	-6	-4	-3	16	15	14	24	..	-1	4
Kenya	2	-8	-6	30	16	24	47	56	54	55	77	1	-2	31
Lesotho	0	0	1	1	1	2	2	3	4	3	3	0	0	2
Liberia	0	-1	-1	-1	-1	-1	-1	-1	-28	-25	-27	0	0	-8
Madagascar	-110	-2,807	-133	-11	1	316	861	1,489	921	1,496	2,165	-150	-1,458	191
Malawi	0	0	-1	0	-2	0	2	1	8	9	18	0	0	3
Mali	-8	65	69	74	107	120	184	205	172	126	92	-29	-33	113
Mauritania	-2	-24	-32	-30	-33	-25	-11	-2	0	7	24	-3	-11	-13
Mauritius	0	15	16	17	16	19	20	22	20	26	25	0	3	19
Mozambique	..	-2,002	-2,707	-5,671	-3,162	-3,534	-1,627	-861	-243	735	7,354	-26	-354	-1,149
Namibia	..	1	0	0	0	0	0	1	1	2	3	..	..	1
Niger	5	26	28	24	23	22	12	0	-9	-17	3	5	16	12
Nigeria	6	54	35	63	56	108	237	228	235	663	1,165	3	8	262
Rwanda	14	12	10	5	3	28	38	46	40	45	44	8	9	25
São Tomé and Príncipe	..	..	..	..	..	9	19	101	139	149	146	..	..	94
Senegal	-97	-179	-172	-207	-130	-70	-46	36	78	119	130	-102	-233	-57
Seychelles	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sierra Leone	0	-145	-188	-204	-339	-396	-159	-169	-220	-322	-181	0	-11	-217
Somalia	0	..	..	..	..	..	..	..	..	..	..	0	-63	..
South Africa	6	..	-11	-16	-21	-18	-31	-23	-32	2	13	2	1	-14
Sudan	0	-2	-37	-59	-122	-202	-444	-494	-687	-724	-669	0	-1	-313
Swaziland	0	1	1	1	1	1	2	2	2	3	3	0	0	2
Tanzania	0	-159	-295	-384	-278	-207	-68	245	275	374	565	0	-79	-6
Togo	0	74	54	23	43	33	13	14	8	23	67	21	62	38
Uganda	0	..	-243	-104	64	177	252	392	655	790	906	0	-3	321
Zambia	-1	-102	..	-496	-788	-1,022	-1,287	-1,228	-2,397	-2,572	-2,693	-1	-12	-1,264
Zimbabwe	0	-2	-3	-3	-2	-3	-3	-13	-30	-12	16	0	0	-5
NORTH AFRICA														
Algeria	17	24	23	20	60	26	134	350	281	170	775	12	10	170
Egypt, Arab Republic	-1	17	34	46	51	49	54	49	36	25	24	-1	1	35
Libya	4	2	2	2	2	3	3	2	2	3	6	2	2	2
Morocco	0	23	30	35	40	34	36	40	43	59	55	-1	-3	37
Tunisia	0	1	1	1	1	1	1	2	1	2	1	0	0	1
ALL AFRICA														

Note: 2000 data are preliminary (see page 2).

## 4-5. Growth of money supply

	Level 1995	Percentage annual change											Average annual percentage growth		
		1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-M
SUB-SAHARAN AFRICA	..	19	13	11	12	32	15	14	15	9	16	13	14	15	8
excluding South Africa	..	16	12	11	12	33	15	14	14	8	16	15	14	14	10
excl. S.Africa & Nigeria	..	14	11	11	12	32	15	14	14	7	16	13	14	15	8
Angola	3	..	..	..	..	..	..	3,393	108	40	343	342	..	..	..
Benin	161,730	32	12	10	-13	67	-13	17	2	-5	47	35	-5	..	..
Botswana	829	10	5	-1	15	11	7	15	9	46	17	7	-10	16	0
Burkina Faso	213,703	20	6	1	12	39	25	7	18	-3	-2	5	-8	-8	12
Burundi	38,802	3	11	10	12	28	-3	12	10	1	42	-1	-11	-23	4
Cameroon	319,242	13	3	-28	-14	35	-12	-2	35	14	11	17	-1	3	12
Cape Verde	11,867	26	9	31	7	8	3	11	22	-2	17	11	-11	-14	5
Central African Republic	111,237	32	-3	-4	16	74	8	5	-8	-18	13	3	-10	15	-12
Chad	85,330	-16	4	-9	-28	32	43	33	-5	-8	-3	18	0	-26	..
Comoros	12,040	..	-7	9	5	10	-5	8	-19	-6	16	21	..	-4	8
Congo, Democratic Rep. of	19	73	2,387	4,114	2,461	5,635	407	..	..	..	..	..	31	30	54
Congo, Republic of	134,845	37	-7	6	-20	40	0	14	9	-14	28	68	1	..	11
Côte d'Ivoire	944,519	1	-3	-4	1	62	18	2	12	13	-2	-4	-15	..	20
Djibouti	36,998	..	16	11	4	3	-2	-3	-10	-10	4	-8	..	23	..
Equatorial Guinea	9,509	..	-16	35	-29	135	58	50	-4	10	90	35	..	..	-3
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	9,280	0	18	15	4	21	3	-2	8	-7	12	11	-3	0	-6
Gabon	219,087	10	8	-27	-3	42	12	26	8	-5	-5	19	-17	-6	13
Gambia, The	471	6	33	11	6	-12	16	-4	39	0	14	37	5	-10	5
Ghana	925,287	30	14	53	28	50	33	31	45	17	3	22	1	-1	-7
Guinea	274,125	..	..	20	19	-3	9	0	21	9	..	..	..	..	..
Guinea-Bissau	7,211	..	-75	83	27	58	47	51	236	-12	22	64	..	..	-7
Kenya	69,333	-8	15	47	27	13	4	14	15	3	16	9	-2	-23	-9
Lesotho	538	..	18	12	23	12	11	19	23	25	-3	8	..	-13	3
Liberia	653	-4	..	-6	60	8	42	7	-1	129	15	-12	1	-9	2
Madagascar	1,848,007	22	31	22	12	57	15	17	23	11	20	13	8	4	-7
Malawi	2,211	7	31	19	35	51	44	24	17	56	33	37	14	-9	16
Mali	198,195	5	9	1	9	48	14	21	6	5	-1	9	-7	-34	6
Mauritania	18,202	12	10	4	4	-5	-8	-11	8	5	6	23	-4	-12	3
Mauritius	9,573	21	20	8	3	19	8	3	8	9	4	11	-13	5	-10
Mozambique	3,264,000	..	47	45	52	51	35	20	25	15	25	22	..	44	-9
Namibia	1,822	..	34	22	46	15	8	54	4	27	22	28	..	..	-4
Niger	100,238	13	3	-10	11	15	9	-10	-19	-18	15	12	-4	3	10
Nigeria	207,509	50	41	63	57	43	16	14	17	19	22	62	-24	36	-3
Rwanda	40,658	7	8	25	11	16	41	12	23	-1	7	7	-11	-28	0
São Tomé and Príncipe	14,225	..	..	..	..	..	..	66	108	-3	4	..	..	..	..
Senegal	316,756	14	4	2	-9	54	4	8	0	16	11	6	-30	7	6
Seychelles	335	38	23	10	14	-3	3	34	44	20	37	6	-7	22	2
Sierra Leone	49,902	20	76	25	12	10	29	7	57	7	49	4	15	9	-15
Somalia	..	19	..	..	..	..	..	..	..	..	..	..	-8	38	..
South Africa	111,844	36	37	3	7	25	18	32	17	23	22	2	19	-18	0
Sudan	40,464	31	60	101	76	55	67	86	32	29	28	42	-3	19	-7
Swaziland	363	22	10	20	14	7	17	16	16	2	32	0	-15	2	-4
Tanzania	428,284	28	23	34	33	33	30	5	10	10	16	10	-21	109	-12
Togo	131,199	5	4	-27	-18	105	38	-8	2	7	10	22	-19	..	-4
Uganda	408,701	32	50	61	26	36	15	10	14	19	13	17	9	-10	-14
Zambia	227,058	0	78	..	..	45	61	19	31	17	24	39	4	29	-9
Zimbabwe	11,270	37	23	6	95	18	52	23	54	24	35	53	12	8	8
NORTH AFRICA	..	21	8	9	5	11	7	7	13	8	9	8	19	9	8
Algeria	520,286	17	20	16	19	8	7	13	15	21	9	17	-4	-9	1
Egypt, Arab Republic	41,540	56	8	9	12	11	9	7	9	20	1	5	-5	-7	-9
Libya	6,251	29	-4	16	4	13	6	1	5	0	5	4	-3	..	-20
Morocco	135,964	8	14	6	5	11	6	6	16	8	12	8	-11	7	-5
Tunisia	3,637	21	1	7	4	11	10	13	13	8	16	10	-2	-23	21
ALL AFRICA	..	19	12	10	12	25	12	13	14	8	15	12	15	14	12

Note: 2000 data are preliminary (see page 2). Levels for 1995 are expressed in millions of units of national currency. Group data are medians of individual country values in each year or period.



## 4-6. Discount rate

	Percentage											Annual Average		
	1980	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	8.5	11.0	11.0	11.3	12.5	11.8	12.5	13.3	13.5	11.6	11.4	8.4	9.8	12.1
excluding South Africa	8.5	11.0	11.0	11.1	12.5	11.5	12.0	13.1	13.3	10.8	10.2	8.2	9.7	11.7
excl. S.Africa & Nigeria	8.5	11.0	11.0	11.0	12.5	11.5	12.0	13.0	13.0	10.6	9.1	8.4	9.7	11.5
Angola	..	..	..	..	..	..	..	160.0	2.0	48.0	58.0	..	..	67.0
Benin	10.5	11.0	11.0	11.0	12.5	10.5	10.0	7.5	6.5	6.0	6.3	9.5	9.6	9.0
Botswana	5.8	6.5	8.5	12.0	14.3	14.3	13.5	13.0	13.0	12.5	12.5	8.3	7.9	12.6
Burkina Faso	10.5	11.0	11.0	11.0	12.5	10.5	10.0	7.5	6.5	6.0	6.3	9.5	9.6	9.0
Burundi	7.0	7.0	8.0	10.7	9.8	9.8	9.4	9.9	..	..	..	6.4	6.6	9.6
Cameroon	8.5	10.0	11.0	10.8	12.0	11.5	7.8	8.6	7.8	7.5	7.0	7.6	8.9	9.3
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	8.5	10.0	11.0	10.8	12.0	11.5	7.8	8.6	7.8	7.5	7.5	7.6	8.9	8.4
Chad	8.5	10.0	11.0	10.8	12.0	11.5	7.8	8.6	7.8	7.5	7.0	7.7	8.9	8.4
Comoros	..	..	..	..	..	..	..	..	..	..	..	10.0	9.3	0.0
Congo, Democratic Rep. of	12.0	50.0	45.0	55.0	55.0	95.0	145.0	125.0	238.0	..	..	14.7	33.6	108.3
Congo, Republic of	8.5	10.0	11.0	10.8	12.0	11.5	7.8	8.6	7.8	7.5	7.0	7.6	8.9	8.4
Côte d'Ivoire	10.5	11.0	11.0	11.0	12.5	10.5	10.0	7.5	6.5	6.0	6.3	9.5	9.6	8.7
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	10.0	11.0	10.8	12.0	11.5	7.8	8.6	7.8	7.5	7.0	..	8.9	9.3
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	3.0	3.0	3.0	5.3	12.0	12.0	12.0	..	..	..	..	4.2	7.9
Gabon	8.5	10.0	11.0	10.8	12.0	11.5	7.8	8.6	7.8	7.5	7.0	7.6	8.9	8.4
Gambia, The	8.0	15.0	16.5	15.5	17.5	13.5	13.5	14.0	14.0	14.0	13.0	7.6	18.0	14.6
Ghana	13.5	26.0	33.0	20.0	30.0	35.0	33.0	45.0	45.0	45.0	37.0	12.7	22.9	35.7
Guinea	..	13.0	15.0	19.0	19.0	17.0	17.0	18.0	18.0	15.0	..	..	10.5	17.0
Guinea-Bissau	..	..	42.0	42.0	45.5	41.0	26.0	39.0	54.0	6.0	..	..	..	33.6
Kenya	8.0	16.5	19.4	20.3	20.5	45.5	21.5	24.5	26.9	32.3	17.1	9.9	14.0	24.7
Lesotho	8.0	17.0	15.8	18.0	15.0	13.5	13.5	15.5	17.0	15.6	19.5	11.8	12.6	14.3
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	5.5	..	..	..	..	..	..	..	..	..	..	8.0	11.5	..
Malawi	10.0	11.0	14.0	13.0	20.0	25.0	40.0	50.0	27.0	23.0	43.0	8.5	11.6	25.5
Mali	10.5	11.0	11.0	11.0	12.5	10.5	10.0	7.5	6.5	6.0	6.3	9.5	9.6	8.7
Mauritania	6.0	7.0	7.0	7.0	7.0	..	..	..	..	..	..	5.5	6.6	7.0
Mauritius	10.5	12.0	12.0	11.3	8.3	8.3	13.8	11.4	11.8	10.5	17.2	9.5	10.8	11.9
Mozambique	..	..	..	..	..	..	..	..	..	..	..	..	..	0.0
Namibia	..	..	..	20.5	16.5	14.5	15.5	17.5	17.8	16.0	18.8	..	..	16.4
Niger	10.5	11.0	11.0	11.0	12.5	10.5	10.0	7.5	6.5	6.0	6.3	9.5	9.4	9.0
Nigeria	6.0	18.5	18.5	15.5	17.5	26.0	13.5	13.5	13.5	13.5	13.5	5.9	12.8	15.9
Rwanda	9.0	9.0	14.0	14.0	11.0	11.0	11.0	16.0	16.0	10.8	11.4	7.4	9.0	13.0
São Tomé and Príncipe	..	25.0	25.0	45.0	45.0	30.0	32.0	50.0	35.0	55.0	38.5	..	25.0	39.5
Senegal	10.5	11.0	11.0	11.0	12.5	10.5	10.0	7.5	6.5	6.0	6.3	9.5	9.6	9.0
Seychelles	..	6.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	6.0	0.9
Sierra Leone	12.0	16.0	55.0	..	..	..	..	..	..	..	..	10.2	15.6	55.0
Somalia	4.0	45.0	..	..	..	..	..	..	..	..	..	5.2	25.2	..
South Africa	6.5	18.0	18.0	17.0	14.0	12.0	13.0	15.0	17.0	16.0	19.3	11.1	12.9	15.3
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	0.0
Swaziland	7.0	12.0	12.0	13.0	12.0	11.0	12.0	15.0	16.8	15.8	18.0	11.1	10.8	12.6
Tanzania	4.8	15.5	..	..	14.5	14.5	67.5	47.9	19.0	16.2	17.6	4.5	11.1	27.2
Togo	10.5	11.0	11.0	11.0	12.5	10.5	10.0	7.5	6.5	6.0	6.3	9.5	9.6	9.0
Uganda	8.0	55.0	50.0	46.0	41.0	24.0	15.0	13.3	15.9	14.1	9.1	13.7	38.2	25.4
Zambia	6.5	..	..	..	47.0	72.5	20.5	40.2	47.0	17.7	..	7.5	21.3	40.8
Zimbabwe	4.5	9.0	10.3	20.0	29.5	28.5	29.5	29.5	27.0	31.5	39.5	6.3	9.0	24.5
NORTH AFRICA	5.9	11.4	11.9	11.9	11.4	8.9	8.9	11.2	10.4	12.3	12.0	6.0	9.4	11.0
Algeria	..	..	..	..	..	..	..	..	..	..	..	..	..	0.0
Egypt, Arab Republic	11.0	14.0	14.0	20.0	18.4	16.5	14.0	13.5	13.0	12.3	12.0	9.7	13.2	14.8
Libya	5.0	5.0	5.0	5.0	5.0	5.0	..	..	..	..	..	5.0	5.0	5.0
Morocco	6.0	..	..	..	..	..	7.0	..	..	..	..	5.6	8.5	7.0
Tunisia	5.8	11.4	11.9	11.9	11.4	8.9	8.9	8.9	7.9	..	..	6.1	9.7	8.7
ALL AFRICA	8.5	11.0	11.0	11.6	12.5	11.5	12.0	13.3	13.0	12.3	11.7	8.1	9.8	12.1

Note: Group data are medians of individual country values in each year or period.

## 4-7. Real discount rate

	Percentage											Annual Average		
	1980	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	-4.1	2.3	3.1	1.6	1.7	2.6	-0.8	-0.1	2.4	4.8	4.2	-3.5	1.2	2.2
excluding South Africa	-3.6	2.0	3.1	1.6	2.1	3.1	-1.2	-0.2	2.1	4.5	4.2	-3.9	1.3	2.1
excl S Africa & Nigeria	-3.9	2.3	3.1	1.6	2.8	3.6	-0.8	-0.1	2.4	4.2	4.2	-3.4	1.3	2.3
Angola	..	..	..	..	..	..	..	-93.1	-94.2	-9.8	-23.8	..	..	-55.2
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	-6.9	-4.6	-2.6	0.2	-1.6	2.6	2.6	2.3	2.6	2.7	3.3	-3.1	-1.5	1.3
Burkina Faso	..	11.4	11.9	8.3	14.8	9.8	-11.8	-0.3	0.4	3.6	3.7	3.9	10.6	4.5
Burundi	-2.3	-4.2	0.9	1.6	7.9	0.1	-4.7	-7.9	..	..	..	-5.6	0.9	-0.4
Cameroon	-1.0	11.9	9.8	10.6	12.1	15.8	-4.4	-13.7	1.1	2.2	4.1	-3.8	3.1	4.2
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	9.3	11.2	14.0	12.9	14.8	-13.5	-8.9	3.2	5.8	9.6	-1.3	8.7	5.5
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	..	..	..	..	..	..	..	..	..	..	..	2.4	6.2	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	1.2	5.7	16.5	1.5	16.5	6.3	-24.5	0.0	-2.2	..	..	-3.4	5.1	2.0
Côte d'Ivoire	-6.3	9.9	11.7	9.3	8.0	7.7	-16.8	-0.2	2.9	2.9	3.2	-2.3	4.8	3.2
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	0.0
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	-6.0	-2.1	-14.8	-13.0	1.8	10.7	-1.2	..	..	..	..	0.5	-3.1
Gabon	-3.3	3.1	3.0	5.1	17.8	22.4	-26.6	5.0	1.5	5.4	0.0	-4.9	7.0	3.7
Gambia, The	1.1	6.2	3.8	6.4	11.0	9.1	9.1	8.8	11.7	10.9	11.8	-4.2	-3.1	9.2
Ghana	-24.4	0.6	-3.1	1.6	18.2	8.0	6.5	-16.8	-1.1	13.4	14.8	-30.2	-2.2	4.6
Guinea	..	-11.9	-3.6	-0.6	2.1	9.2	12.3	11.8	14.6	11.4	..	..	-15.1	7.1
Guinea-Bissau	..	..	6.8	-9.9	-14.1	-5.0	9.4	-4.4	-1.7	-28.9	..	..	..	-6.0
Kenya	..	2.6	3.2	0.6	-5.4	-0.3	-5.7	22.7	16.4	18.9	5.8	..	3.3	6.2
Lesotho	-6.6	2.0	3.7	0.3	-1.9	0.3	4.9	5.7	7.0	6.4	9.9	-1.6	-1.0	4.0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	..	..	..	..	..	-6.3	..
Malawi	..	-1.3	2.0	0.3	-2.2	4.5	4.0	-18.2	-7.7	12.7	17.1	-3.2	-5.9	1.4
Mali	..	11.1	10.3	9.0	20.0	11.2	-11.8	-4.3	0.0	6.7	2.1	..	8.4	4.8
Mauritania	..	-5.3	0.4	1.3	-2.8	..	..	..	..	..	..	..	-0.6	-0.4
Mauritius	-22.3	-0.6	-1.3	4.0	3.5	-2.0	6.0	5.1	5.0	3.4	11.7	-3.4	4.6	3.9
Mozambique	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Namibia	..	..	..	7.7	-1.0	5.5	4.3	6.8	9.0	6.6	10.3	..	..	6.1
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	-3.6	-21.2	10.4	2.2	-18.7	-21.4	-27.7	-34.4	-12.2	4.8	2.9	-11.7	-8.1	-10.5
Rwanda	1.6	7.9	9.4	-4.7	1.3	2.2	-32.3	-4.9	6.5	-1.1	4.3	-3.6	7.2	-2.1
São Tomé and Príncipe	..	-14.4	-12.1	-1.0	13.9	3.6	4.3	-0.6	-7.2	-8.5	-2.7	..	-14.4	-1.1
Senegal	1.6	10.5	10.6	13.0	12.5	11.6	-16.7	-0.9	3.7	4.2	4.2	-1.2	7.1	4.7
Seychelles	..	4.4	-2.8	-1.0	-2.2	-0.3	-0.8	1.3	2.1	0.4	3.7	1.2	4.5	0.0
Sierra Leone	..	-20.3	-18.8	..	..	..	..	..	..	..	..	..	-37.0	-18.8
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	-6.4	2.9	3.1	1.5	0.1	2.1	3.7	5.9	8.9	6.8	9.3	-1.4	-2.4	4.6
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	-9.6	3.4	0.9	2.0	3.5	-0.2	-1.6	2.4	9.7	8.0	8.8	-2.4	-2.4	3.7
Tanzania	-19.5	-8.2	..	..	-6.0	-8.6	28.6	10.4	-5.3	-0.8	6.5	-13.2	-14.8	3.5
Togo	-1.6	10.5	9.8	10.7	10.7	10.6	-18.7	-7.2	1.8	-1.0	5.2	-0.8	9.1	2.4
Uganda	..	-32.8	3.1	17.2	-0.7	-3.4	8.0	6.8	7.8	5.8	3.1	..	-44.4	5.3
Zambia	-4.6	..	..	..	-45.4	-40.1	-21.6	4.5	0.5	-5.7	..	-6.7	-17.2	-18.0
Zimbabwe	..	-3.4	-6.1	-2.7	-8.9	0.7	6.0	5.6	4.6	10.5	2.8	-7.4	-1.8	1.4
NORTH AFRICA	-2.1	-1.3	23.9	0.7	2.2	5.1	4.7	3.6	4.4	4.0	4.2	-2.3	-1.3	5.9
Algeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Egypt, Arab Republic	..	11.7	11.7	18.2	16.4	15.4	14.2	12.5	6.0	6.0	8.4	..	7.3	11.3
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tunisia	..	..	..	..	..	..	..	..	..	-4.0	-3.1	..	..	-3.6
ALL AFRICA	-3.6	2.3	3.2	1.6	1.7	3.6	2.6	0.6	2.6	4.5	4.2	-3.4	1.2	2.7

Note: Real discount rate in each year is the nominal discount rate deflated by the annual change in the CPI.

## 4-8. Commercial bank lending rate

	Percentage											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	12.0	18.1	17.8	17.5	17.5	19.3	22.0	22.0	22.0	22.0	22.0	12.1	14.0	19.4
excluding South Africa	12.0	18.1	17.8	17.5	17.5	20.2	22.0	22.0	22.0	22.0	22.0	12.0	14.0	19.5
excl. S. Africa & Nigeria	12.3	18.1	17.8	17.5	17.5	19.3	22.0	22.0	22.0	22.0	22.0	12.2	14.0	19.4
Angola	..	..	..	..	..	206.3	217.9	37.8	45.0	..	..	..	..	126.7
Benin	14.5	16.0	16.8	..	..	..	..	..	..	..	..	13.8	14.0	16.3
Botswana	8.5	11.8	14.0	14.9	13.9	14.3	14.5	14.1	13.5	..	..	13.5	9.6	13.2
Burkina Faso	14.5	16.0	16.8	..	..	..	..	..	..	..	..	13.8	14.0	16.3
Burundi	12.0	12.8	13.7	13.8	14.2	15.3	..	..	..	..	..	12.0	12.0	13.7
Cameroon	13.0	18.1	17.8	17.5	17.5	16.0	22.0	22.0	22.0	..	..	13.0	13.9	19.0
Cape Verde	6.5	10.0	10.0	10.0	10.7	12.0	12.0	12.1	12.5	..	..	6.5	10.0	11.0
Central African Republic	10.5	18.1	17.8	17.5	17.5	16.0	22.0	22.0	22.0	..	..	11.1	12.2	19.0
Chad	11.0	18.1	17.8	17.5	17.5	16.0	22.0	22.0	22.0	..	..	10.7	11.1	19.0
Comoros	..	..	..	..	..	..	..	..	..	..	0.1	15.0	14.0	0.1
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	11.0	18.1	17.8	17.5	17.5	16.0	22.0	22.0	22.0	..	0.0	11.3	11.8	17.1
Côte d'Ivoire	14.5	16.0	16.8	..	..	..	..	..	..	..	7.5	13.8	14.0	14.1
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	18.1	17.8	17.5	17.5	16.0	22.0	22.0	22.0	..	..	..	14.8	19.0
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	6.0	8.0	14.0	14.3	15.1	13.9	10.5	10.5	..	13.0	..	6.8	11.1
Gabon	12.5	18.1	17.8	17.5	17.5	16.0	22.0	22.0	22.0	..	0.1	11.8	11.9	17.1
Gambia, The	15.0	26.5	26.8	26.1	25.0	25.0	25.5	25.5	25.4	..	..	16.7	25.4	25.8
Ghana	19.0	..	..	..	..	..	..	..	..	..	..	19.3	23.1	..
Guinea	..	24.5	27.0	24.5	22.0	21.5	..	..	..	..	22.0	..	15.8	23.2
Guinea-Bissau	..	47.0	50.3	63.6	36.3	32.9	51.8	..	..	..	..	..	26.1	46.8
Kenya	10.6	19.0	21.1	30.0	36.2	28.8	33.8	30.2	29.5	..	..	11.8	14.9	27.5
Lesotho	11.0	20.0	18.3	15.8	14.3	16.4	17.7	18.0	20.1	..	..	15.2	15.3	17.9
Liberia	18.4	..	..	..	14.5	..	..	16.8	..	..	..	19.9	14.9	15.7
Madagascar	..	24.5	25.0	26.0	30.5	37.5	32.8	30.0	..	..	..	..	22.3	29.0
Malawi	16.7	20.0	22.0	29.5	31.0	47.3	45.3	28.3	37.7	..	0.3	17.7	20.4	28.2
Mali	14.5	16.0	16.8	..	..	..	..	..	..	..	..	13.8	14.0	16.3
Mauritania	12.0	10.0	10.0	..	..	..	..	..	..	..	..	12.0	11.6	10.0
Mauritius	..	17.8	17.1	16.6	18.9	20.8	20.8	18.9	19.9	..	0.1	13.5	14.7	16.9
Mozambique	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.1
Namibia	..	23.4	20.2	18.0	17.1	18.5	19.2	20.2	20.7	..	15.3	..	..	19.2
Niger	14.5	16.0	16.8	..	..	..	..	..	..	..	..	13.8	14.0	16.3
Nigeria	8.4	20.0	24.8	31.6	20.5	20.2	20.3	20.4	..	..	..	8.0	14.1	22.9
Rwanda	13.5	19.0	16.7	15.0	..	..	..	..	..	..	..	13.3	13.0	16.0
São Tomé and Príncipe	..	37.0	37.0	37.0	30.0	52.0	38.0	51.5	55.6	..	..	..	20.0	39.8
Senegal	14.5	16.0	16.8	..	..	..	..	..	..	..	17.0	13.8	14.0	16.4
Seychelles	..	15.6	15.6	15.7	15.7	15.8	16.2	14.9	14.4	..	0.2	..	15.5	14.0
Sierra Leone	11.0	56.3	62.8	50.5	27.3	28.8	32.1	23.9	23.8	..	26.2	12.7	24.1	38.4
Somalia	7.5	..	..	..	..	..	..	..	..	..	..	8.9	23.8	..
South Africa	9.5	20.3	18.9	16.2	15.6	17.9	19.5	20.0	21.8	..	..	14.1	16.7	19.0
Sudan	..	..	..	..	..	..	..	..	..	..	0.0	..	..	0.0
Swaziland	9.5	16.3	15.0	14.0	15.0	18.0	19.8	18.8	21.0	..	..	13.2	14.2	16.9
Tanzania	11.5	..	..	31.0	39.0	42.8	37.2	29.2	26.7	..	..	11.4	23.8	34.3
Togo	14.5	16.0	17.5	..	..	..	..	..	..	..	..	13.8	14.4	16.5
Uganda	10.8	34.4	..	..	..	20.2	20.3	21.4	20.9	..	..	15.2	33.4	26.0
Zambia	9.5	..	54.6	113.3	70.6	45.5	53.8	46.7	31.8	..	39.1	9.7	20.8	54.5
Zimbabwe	17.5	15.5	19.8	36.3	34.9	34.7	34.2	32.5	42.1	..	0.6	20.3	13.8	26.2
<b>NORTH AFRICA</b>	7.1	8.0	13.7	12.6	13.3	16.5	15.6	13.8	13.0	..	..	7.5	9.0	12.8
Algeria	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.1
Egypt, Arab Republic	13.3	..	20.3	18.3	16.5	16.5	15.6	13.8	13.0	..	..	12.5	16.3	16.6
Libya	7.0	7.0	7.0	7.0	..	..	..	..	..	..	..	7.0	7.0	7.0
Morocco	7.0	9.0	..	..	10.0	..	..	..	..	..	..	7.0	8.7	9.3
Tunisia	7.3	..	..	..	..	..	..	..	..	..	0.1	7.9	8.9	0.1
<b>ALL AFRICA</b>	11.8	18.1	17.8	17.5	17.5	18.5	22.0	22.0	22.0	..	..	11.6	14.0	19.3

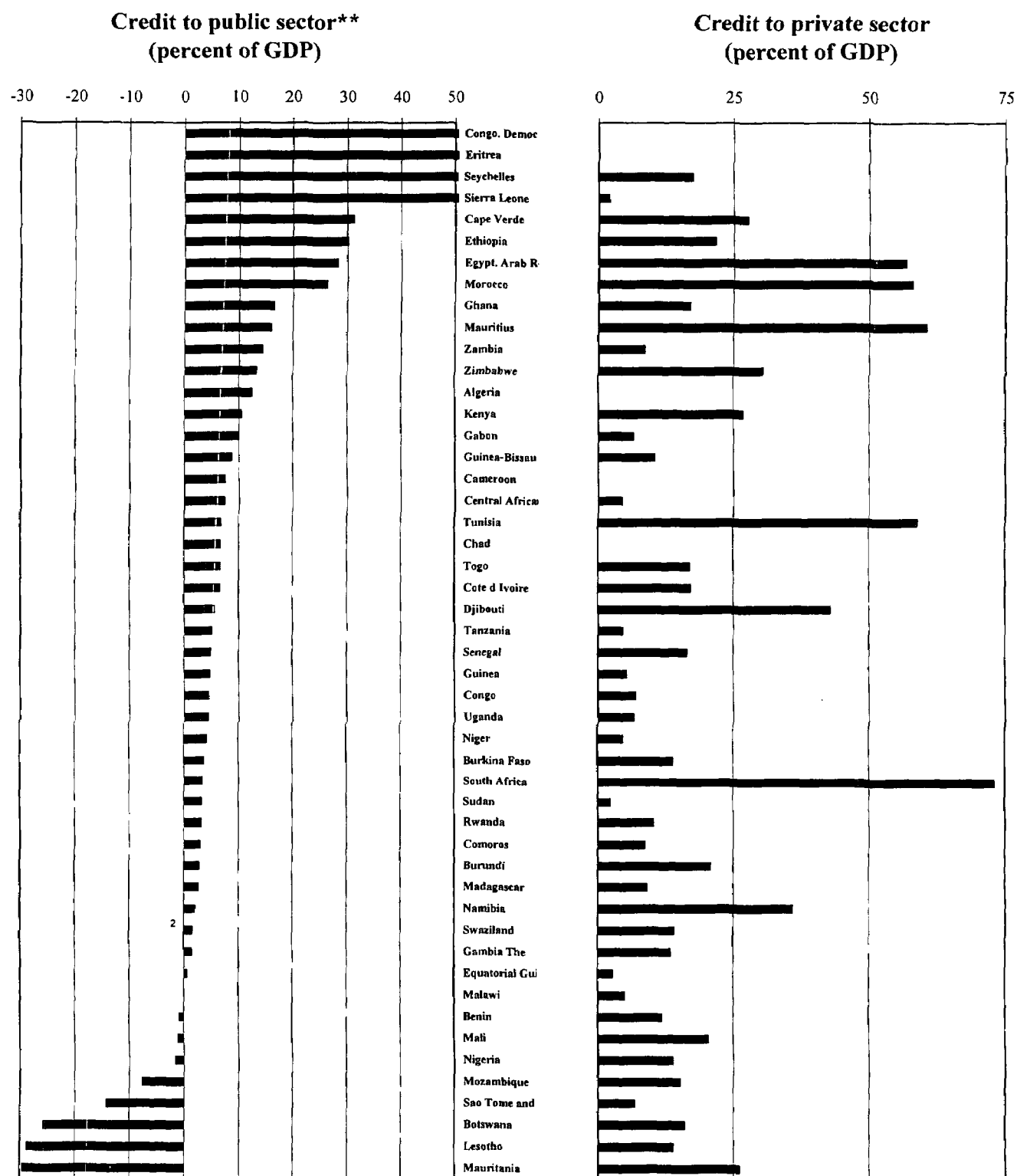
Note: 2000 data are preliminary (see page 2). Group data are medians of individual country values in each year or period.

## 4-9. Commercial bank deposit rate

	Percentage											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	6.2	9.6	9.0	10.6	10.7	12.4	12.5	9.5	7.6			6.6	7.9	9.9
excluding South Africa	6.2	9.2	8.4	9.6	10.4	12.2	12.5	9.4	7.5			6.6	7.8	9.6
excl. S Africa & Nigeria	6.2	8.8	7.8	9.6	10.2	11.8	12.4	9.5	7.5			6.6	7.6	9.4
Angola	..	..	..	..	..	125.9	147.1	29.3	36.9	..	..	..	..	84.8
Benin	6.2	7.0	7.8	..	..	..	..	..	3.5	..	..	6.5	6.1	6.3
Botswana	5.0	11.4	12.5	13.5	10.4	10.0	10.4	9.3	8.7	..	..	9.3	7.2	10.3
Burkina Faso	6.2	7.0	7.8	..	..	..	..	..	3.5	..	..	6.5	6.1	6.3
Burundi	2.5	..	..	..	..	..	..	..	..	..	..	3.4	4.9	..
Cameroon	7.5	7.5	7.5	7.8	8.1	5.5	5.4	5.0	5.0	..	..	7.3	7.3	6.6
Cape Verde	..	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.3	..	..	..	4.0	4.5
Central African Republic	5.5	7.5	7.5	7.8	8.1	5.5	5.5	5.0	5.0	..	..	6.4	7.4	6.6
Chad	5.5	7.5	7.5	7.8	8.1	5.5	5.5	5.0	5.0	..	..	5.3	5.0	6.6
Comoros	..	..	..	..	..	..	..	..	..	..	0.0	7.5	7.0	0.0
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	6.5	7.5	7.5	7.8	8.1	5.5	5.5	5.0	5.0	..	0.0	6.5	8.0	5.9
Côte d'Ivoire	6.2	7.0	7.8	..	..	..	..	..	3.5	..	2.0	6.5	6.1	5.5
Djibouti	..	..	3.0	2.6	..	..	..	..	..	..	..	..	..	2.8
Equatorial Guinea	..	7.5	7.5	7.8	8.1	5.5	5.5	5.0	5.0	..	..	..	7.3	6.6
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	5.0	3.6	11.5	11.5	11.5	9.4	7.0	6.0	..	6.0	..	6.5	7.4
Gabon	7.5	7.5	7.5	7.8	8.1	5.5	5.5	5.0	5.0	..	0.0	7.4	8.1	5.9
Gambia, The	5.0	12.7	13.8	13.0	12.6	12.5	12.5	12.5	12.5	..	..	7.1	13.9	12.6
Ghana	11.5	21.3	16.3	23.6	23.1	28.7	34.5	35.8	32.0	..	..	12.0	16.7	26.9
Guinea	..	22.0	23.0	19.8	18.0	17.5	..	..	..	..	..	..	17.1	20.2
Guinea-Bissau	..	36.0	39.3	53.9	28.7	26.5	47.3	4.6	..	..	..	..	25.5	33.6
Kenya	5.8	..	..	..	..	13.6	17.6	16.7	18.4	..	..	7.7	11.0	16.0
Lesotho	..	13.0	10.6	8.1	8.4	13.3	12.7	11.8	10.7	..	..	10.2	10.0	11.3
Liberia	10.3	..	..	..	6.3	..	..	6.5	..	..	..	10.4	6.9	6.4
Madagascar	..	20.5	20.5	19.5	19.5	18.5	19.0	14.4	..	..	..	..	17.8	19.0
Malawi	7.9	12.5	16.5	21.8	25.0	37.3	26.3	10.2	19.1	..	0.2	9.8	13.2	18.1
Mali	6.2	7.0	7.8	..	..	..	..	..	3.5	..	..	6.5	6.1	6.3
Mauritania	..	5.0	5.0	..	..	..	..	..	..	..	..	5.5	6.2	5.0
Mauritius	..	12.3	10.1	8.4	11.0	12.2	10.8	9.1	9.3	..	8.0	10.7	9.9	10.4
Mozambique	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.1
Namibia	..	12.8	11.4	9.6	9.2	10.8	12.6	12.7	12.9	..	6.5	..	..	10.9
Niger	6.2	7.0	7.8	..	..	..	..	..	3.5	..	..	6.5	6.1	6.3
Nigeria	5.3	14.9	18.0	23.2	13.1	13.5	13.0	7.3	..	..	..	5.1	11.8	15.4
Rwanda	6.3	8.8	7.7	5.0	..	..	10.9	9.5	8.5	..	..	5.1	6.3	8.2
São Tomé and Príncipe	..	35.0	35.0	35.0	35.0	35.0	31.0	36.8	38.3	..	..	..	16.0	33.0
Senegal	6.2	7.0	7.8	..	..	..	..	..	3.5	..	3.5	6.5	6.1	5.8
Seychelles	..	9.6	9.6	9.5	8.9	9.2	9.9	9.2	7.5	..	0.1	9.1	9.8	8.3
Sierra Leone	9.2	47.8	54.7	27.0	11.6	7.0	14.0	9.9	7.1	..	9.4	9.2	14.9	22.9
Somalia	4.5	..	..	..	..	..	..	..	..	..	..	5.5	18.2	..
South Africa	5.5	17.3	13.8	11.5	11.1	13.5	14.9	15.4	16.5	..	..	10.0	13.7	14.8
Sudan	6.0	..	..	..	..	..	..	..	..	..	0.0	9.2	..	0.0
Swaziland	4.5	10.9	9.0	7.4	8.0	10.3	12.3	11.3	13.4	..	..	9.0	7.8	10.1
Tanzania	4.0	..	..	..	..	24.6	13.6	7.8	7.8	..	..	4.0	12.6	13.5
Togo	6.2	7.0	7.8	..	..	..	..	..	3.5	..	..	6.5	6.1	6.3
Uganda	6.8	31.2	35.8	16.3	10.0	7.6	10.6	11.8	11.4	..	..	9.9	23.4	18.4
Zambia	7.0	..	48.5	..	46.1	30.2	42.1	34.5	13.1	..	18.7	6.2	13.8	32.4
Zimbabwe	3.5	14.2	28.6	29.4	26.8	25.9	21.6	18.6	29.1	..	0.4	6.6	9.7	20.3
NORTH AFRICA	5.0	8.5	8.8	8.8	11.8	10.9	10.5	9.8	9.4	..	..	4.9	7.7	9.7
Algeria	..	..	..	..	..	..	..	..	..	..	0.0	..	..	0.0
Egypt, Arab Republic	8.3	12.0	12.0	12.0	11.8	10.9	10.5	9.8	9.4	..	..	8.0	11.1	11.2
Libya	5.1	5.5	5.5	5.5	..	..	..	..	..	..	..	4.7	5.5	5.5
Morocco	4.9	8.5	..	..	..	..	..	..	..	..	..	5.6	8.4	8.5
Tunisia	2.5	..	..	..	..	..	..	..	..	..	0.0	3.4	6.7	0.0
ALL AFRICA	6.2	9.2	9.0	10.6	11.0	12.2	12.5	9.6	7.8	..	..	6.4	7.9	10.0

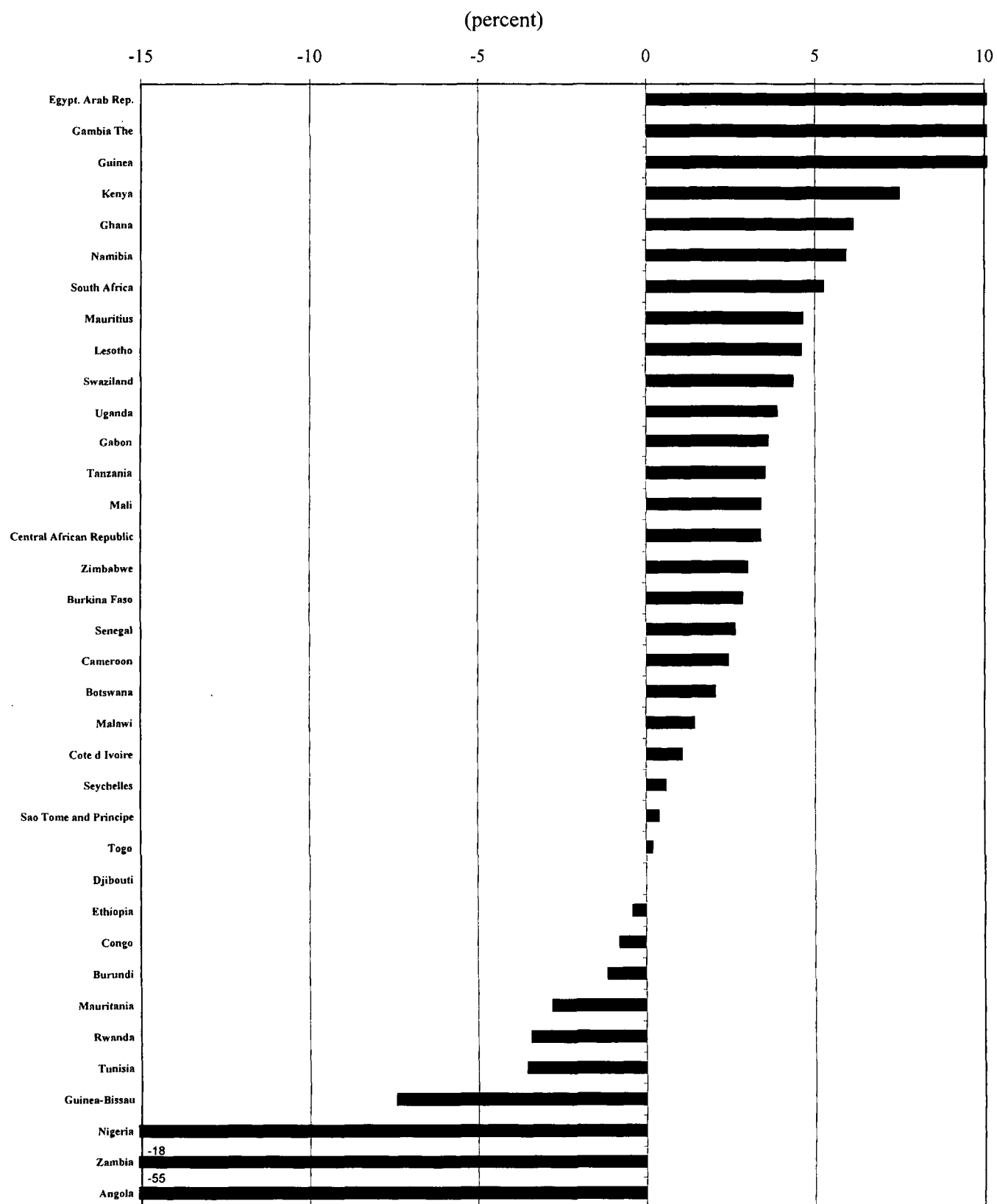
Note: 2000 data are preliminary (see page 2). Group data are medians of individual country values in each year or period.

**Figure 4-1. Credit to private and public sectors as a share of GDP, 2000\***



\* Or most recent year available.

\*\* Sorted by credit to public sector.

**Figure 4-2. Real discount rate, average 1992-99\***

\* Or most recent year available.

## Technical notes

### Tables

**Table 4-1. Domestic credit.** Domestic credit (IMF, *IFS*, line 32) includes all domestic assets of the banking system. It is the sum of the claims on the central government (net), on official entities, and on the private sector. Domestic credit comprises credit to the private sector (Table 4-2) and credit to the government (Table 4-3).

**Table 4-2. Credit to the private sector.** Credit to the private sector is taken from IMF, *IFS*, line 32d.

**Table 4-3. Credit to the government.** Credit to the government sector is taken from IMF, *IFS*, line 32an. Negative numbers for net claims on the central government indicate that government is a net depositor to the banking system. The government's financial position with the monetary system is always presented on a net basis because its recourse to the monetary system cannot always be analyzed meaningfully in terms of liquidity preferences or by considering debtor and creditor positions separately. Movements in net claims on the central government (that is, claims or credits less government deposits) indicate the impact of government operations on the liquidity of the rest of the economy.

**Table 4-4. Net foreign assets.** Data for net foreign assets are from the IMF, *IFS*, line 31n. As for credit to the government, the financial position of the foreign sector with the monetary system is presented on a net basis for the same reason as noted above. Movements in net for-

eign assets (that is, foreign assets less foreign liabilities) indicate the direct monetary impact of a country's transactions with the rest of the world.

**Table 4-5. Growth of money supply.** This table shows the annual percentage change in money (M1), defined as the sum of currency outside of banks and demand deposits other than those of the central government (IMF, *IFS*, line 34). The presentation of the money supply in the form of growth rates rather than levels reflects the importance from the point of view of macroeconomic stability of the rate of growth rather than the stock of money.

**Table 4-6. Discount rate.** The discount rate reported here is the nominal interest rate at which the monetary authorities lend to (or discount eligible paper from) deposit money banks (IMF, *IFS*, line 60).

**Table 4-7. Real discount rate.** The real discount rate in each year is the nominal discount rate (Table 4-6) deflated by the annual change in inflation as reflected by the consumer price index (CPI) (Table 3-3). It has been calculated using the formula:

$$\{[1 + (i/100)] / [(\pi_t / \pi_{t-1})] - 1\} \times 100$$

where  $i$  is nominal interest rate and  $\pi$  is inflation rate based on the CPI.

**Table 4-8. Commercial bank lending rate.** The commercial bank lending rate (IMF, *IFS*, line 60p) is the rate charged to borrowers by commercial banks for short- and medium-term use of funds.

**Table 4-9. Commercial bank deposit rate.** The deposit rate (IMF, *IFS*, line 60l) is the rate paid to depositors on time savings and demand deposits by deposit money banks and similar financial institutions.

## Figures

The following indicators have been used to derive the figures in this chapter.

**Figure 4-1.** Credit to the private sector (Table 4-2); credit to the public sector (Table 4-3); gross domestic product (Table 2-5).

**Figure 4-2.** Real discount rate (Table 4-7).



### Methodology used for regional aggregations and period averages in chapter 4

Table	Aggregations <sup>a</sup>		Period averages <sup>b</sup>	
	(4)	(8)	(1)	(2)
4-1	X			X
4-2	X			X
4-3	X			X
4-4		X	X	
4-5	X			X
4-6	X		X	
4-7	X		X	
4-8	X		X	
4-9	X		X	

*Note:* Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter. The definitions of the methodologies used throughout the book are given below.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).

## External Sector

**T**he external sector provides data on economic and financial relations between African countries and the rest of the world, with detailed accounting of commodity trade, one of the principal components of the current account within the balance of payments framework. Commodity trade and price data can also provide a partial basis for analyzing Africa's constraints and performance in the international marketplace, including its terms of trade. Commodity exports are a major source of foreign exchange. Other sources of foreign exchange include receipts from factor and nonfactor services, borrowing from abroad, incoming foreign investment, and foreign transfers and grants.

The balance of payments is a system of accounts, covering a given period, that is intended to record systematically: flows of real resources, including the services of the original factors of production, between the domestic economy of a country and the rest of the world; changes in the country's foreign assets and liabilities that arise from economic transactions; and transfer payments, which are the counterpart of real resources or financial claims provided to, or received from, the rest of the world that carry no provision for repayment.

The tables provide gross entries for goods and services and net entries for unrequited transfers (official and private) and other financial flows; a table for current account balance as traditionally defined (with transfers above the line) is also shown. The information is presented for broad aggregates; fuller detail can be found in the IMF's *Balance of Payments Manual (1993)* and *Balance of Payments Year Books*.

Unit values for exports (f.o.b.) and imports (c.i.f.) measure changes in the aggregate price level of a country's exports and imports of goods and nonfactor services over time. Unit values reflect average price changes for broad groups of commodities, rather than for any single commodity. The terms of trade indicate relative movements in export and import unit values (here, they are based on goods and nonfactor services from the national accounts). If the prices of exports rise while the prices of imports rise more slowly, stay constant, or decline, the same quantity of exports "buys" a bigger quantity of imports. The effect of such price changes is equivalent to an increase in the real value of output (or increased productivity in value terms) of the export sector. Were import prices to rise more quickly than export prices, the reverse would be true. Export figures for specific

commodities show physical quantities rather than value in either current or constant prices. Most of the key nonagricultural primary commodities are exported from a few countries with substantial mineral resources. Variations in export prices and earnings for

the five major oil-exporting countries in Sub-Saharan Africa (which in the 1980s accounted for about half of Sub-Saharan export earnings) have dominated trends in this region as a whole.

## 5-1. Merchandise exports, f.o.b.

	Millions of U.S. dollars (current prices)										Average annual percentage growth			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	78,636	66,356	66,429	62,635	63,802	78,329	86,311	86,606	75,090	78,356	95,657	6.9	2.9	3.3
excluding South Africa	53,019	42,578	41,963	37,890	39,462	48,258	56,064	55,424	45,931	49,746	64,308	5.3	0.6	3.4
excl. S. Africa & Nigeria	26,384	30,438	30,065	27,965	30,057	36,534	39,931	39,874	35,909	37,906	43,738	5.9	3.9	3.6
Angola	..	3,449	3,833	2,900	3,017	3,723	5,095	5,007	3,543	5,157	7,802	..	7.0	5.9
Benin	222	337	371	341	308	235	263	191	239	223	186	7.1	6.0	-3.7
Botswana	544	1,871	1,744	1,722	1,874	2,160	2,233	2,069	1,711	1,388	1,521	20.0	24.5	-1.1
Burkina Faso	161	269	238	260	191	237	233	229	325	254	206	8.1	11.1	0.0
Burundi	66	90	77	74	81	113	40	87	64	56	49	9.9	-1.0	-4.3
Cameroon	1,506	2,159	1,937	1,652	1,433	1,655	1,605	1,816	1,800	1,682	2,125	18.2	-5.5	-0.3
Cape Verde	9	4	4	4	20	25	30	38	23	8	24	15.2	-8.8	17.7
Central African Republic	147	126	116	132	162	179	142	155	138	96	111	8.6	3.9	-1.7
Chad	71	194	182	152	135	243	238	237	261	188	181	0.8	10.0	2.4
Comoros	11	24	21	22	11	11	6	6	6	9	12	..	15.7	-10.0
Congo, Democratic Rep. of	2,269	1,649	1,246	1,144	1,256	1,612	1,727	1,395	..	..	..	5.9	5.8	-5.1
Congo, Republic of	911	1,110	1,179	1,119	959	1,173	1,564	1,587	1,150	1,556	2,442	22.9	-3.2	4.4
Côte d'Ivoire	3,013	2,810	3,189	2,519	2,948	4,304	4,281	4,076	4,122	4,163	3,672	6.4	0.8	4.1
Djibouti	..	..	..	..	..	38	40	43	59	69	72	..	..	..
Equatorial Guinea	..	35	52	52	65	86	101	291	460	814	1,363	..	12.7	40.6
Eritrea	..	..	15	36	65	81	95	54	28	20	35	..	..	-0.9
Ethiopia	459	276	154	222	280	454	412	599	602	485	486	6.3	-0.1	6.5
Gabon	2,531	2,230	2,257	2,326	2,365	2,643	3,190	3,043	2,209	2,526	2,750	8.9	-6.5	3.0
Gambia, The	51	132	151	141	124	121	115	108	130	120	133	3.2	7.9	1.2
Ghana	1,104	997	986	1,064	1,227	1,431	1,810	1,810	2,091	2,006	1,898	-3.8	8.5	9.7
Guinea	500	764	651	672	610	649	610	660	659	646	695	4.7	2.5	0.1
Guinea-Bissau	..	20	6	16	33	24	22	48	26	51	63	..	1.3	14.0
Kenya	1,363	1,056	1,013	1,103	1,484	1,924	2,083	2,060	2,012	1,755	1,774	5.8	-2.1	8.2
Lesotho	58	67	109	119	141	151	164	193	196	191	197	10.4	25.7	12.5
Liberia	600	..	..	..	..	..	..	..	..	..	..	1.4	-5.6	..
Madagascar	437	334	324	332	447	566	512	507	522	584	829	2.0	-1.1	8.3
Malawi	281	476	397	321	327	404	483	539	539	447	406	8.8	-0.4	3.2
Mali	205	371	362	349	336	442	433	561	561	596	624	10.9	8.9	7.5
Mauritania	196	434	400	380	393	479	484	408	360	333	345	6.8	7.1	-1.7
Mauritius	434	1,213	1,303	1,334	1,407	1,565	1,692	1,670	1,643	1,603	1,569	2.9	24.5	4.2
Mozambique	281	162	139	132	164	174	226	230	245	284	364	..	4.5	10.3
Namibia	1,534	1,135	1,262	1,240	1,308	1,409	1,417	1,339	1,236	1,373	1,480	..	8.3	2.5
Niger	576	270	344	301	225	287	302	272	334	287	253	14.6	3.9	-0.8
Nigeria	25,956	12,127	11,886	9,924	9,415	11,734	16,117	15,539	10,114	11,927	20,441	3.8	-7.1	3.0
Rwanda	134	96	69	68	32	50	62	93	64	62	87	5.6	-6.0	-2.4
São Tomé and Príncipe	17	6	5	5	6	5	5	5	5	4	3	-3.0	-7.7	-3.3
Senegal	480	904	828	719	791	968	986	905	973	1,028	959	2.1	6.0	2.0
Seychelles	6	49	48	49	52	53	78	115	123	145	175	-1.8	32.2	18.3
Sierra Leone	214	176	150	118	194	102	105	88	65	61	75	-1.0	0.0	-8.7
Somalia	133	..	..	..	..	..	..	..	..	..	..	3.6	-2.7	..
South Africa	25,698	23,805	24,487	24,750	26,342	30,084	30,285	31,213	29,145	28,625	31,486	10.3	7.4	3.1
Sudan	566	346	350	427	462	556	620	594	596	780	1,864	2.8	-4.4	10.5
Swaziland	368	594	639	685	791	868	856	962	978	943	912	6.3	22.6	6.5
Tanzania	508	394	414	411	486	593	696	794	577	563	663	0.1	1.6	5.7
Togo	476	393	327	215	226	357	372	352	396	392	363	7.1	10.1	0.4
Uganda	319	176	172	157	254	595	590	671	458	549	439	1.3	-6.1	11.8
Zambia	1,457	1,085	1,120	994	1,067	1,186	993	1,119	816	756	746	-0.9	10.2	-4.6
Zimbabwe	281	1,785	1,530	1,610	1,947	2,216	2,496	2,424	1,925	1,924	1,791	0.0	9.3	2.0
NORTH AFRICA	41,259	34,799	33,352	31,134	30,602	37,625	41,279	43,368	38,416	41,314	56,574	4.7	-3.1	5.1
Algeria	13,652	12,440	11,510	10,410	8,892	10,260	13,220	13,820	10,140	12,320	21,700	14.3	-8.0	3.2
Egypt, Arab Republic	3,854	4,250	3,880	3,725	3,337	4,957	4,609	5,345	5,128	4,445	6,388	9.4	-8.0	6.0
Libya	21,919	..	..	..	..	..	..	..	..	..	..	6.7	-10.5	..
Morocco	2,414	5,089	5,024	4,922	5,541	6,871	6,886	7,039	7,144	7,621	7,508	5.1	14.5	6.0
Tunisia	2,295	3,708	4,014	3,746	4,643	5,470	5,519	5,559	5,724	5,873	5,840	12.0	10.7	6.6
ALL AFRICA	119,773	100,495	99,410	93,481	96,513	115,850	127,510	129,512	112,954	118,866	150,105	7.9	0.2	3.9

Note: 2000 data are preliminary (see page 2)

## 5-2. Merchandise imports, f.o.b.

	Millions of U.S. dollars (current prices)											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	61,227	56,537	59,256	57,201	58,997	71,779	74,218	79,844	77,706	76,279	81,558	8.3	3.9	4.5
excluding South Africa	42,976	39,413	41,098	38,733	37,136	44,373	46,632	50,989	50,487	51,903	54,402	8.2	2.7	3.9
incl. S. Africa & Nigeria	28,251	31,521	32,190	30,425	30,678	36,196	38,426	41,363	41,224	41,353	41,967	6.5	6.3	3.7
Angola	..	1,347	1,988	1,463	1,454	1,852	2,040	2,597	2,079	3,109	3,430	..	-1.8	8.0
Benin	499	482	561	539	374	439	444	426	451	474	438	8.3	6.9	0.8
Botswana	602	1,604	1,557	1,455	1,350	1,579	1,436	1,449	1,486	1,559	1,724	17.4	18.4	1.1
Burkina Faso	368	490	516	534	355	485	562	511	639	581	519	8.1	10.3	1.7
Burundi	165	196	182	173	173	176	100	96	124	97	108	17.1	-1.8	-6.0
Cameroon	1,452	1,251	1,023	1,021	1,017	1,074	1,200	1,347	1,452	1,483	1,538	12.5	5.5	1.6
Cape Verde	80	128	167	152	191	234	206	211	208	223	218	10.1	6.2	6.8
Central African Republic	185	179	189	158	151	179	125	145	150	86	83	8.7	4.6	-7.2
Chad	55	250	243	205	212	277	243	246	272	244	243	-1.8	12.5	0.4
Comoros	22	49	58	50	45	54	49	48	42	43	38	..	6.1	-0.5
Congo, Democratic Rep. of	1,519	1,304	935	614	667	997	923	834	..	..	..	0.0	10.7	-9.7
Congo, Republic of	545	494	438	500	613	653	586	649	559	523	594	15.2	-5.0	1.9
Côte d'Ivoire	2,614	2,186	1,984	1,784	1,608	2,474	2,763	2,712	2,767	2,809	2,525	6.1	10.4	3.0
Djibouti	..	..	..	..	..	207	201	204	240	252	271	..	..	..
Equatorial Guinea	..	90	62	52	67	97	127	206	434	440	464	..	10.6	25.5
Eritrea	..	..	278	275	396	404	514	495	527	495	471	..	..	8.0
Ethiopia	692	1,029	875	1,052	915	1,063	1,144	1,309	1,357	1,558	1,611	16.4	1.0	5.2
Gabon	829	861	887	845	777	898	969	1,018	987	841	887	4.6	0.0	1.3
Gambia, The	116	174	204	205	179	184	196	176	207	194	202	11.0	7.8	3.7
Ghana	908	1,313	1,457	1,728	1,580	1,684	2,295	3,042	2,918	3,252	2,759	-1.6	11.2	11.1
Guinea	339	566	589	602	583	583	584	573	577	582	555	5.0	5.7	0.1
Guinea-Bissau	..	67	84	54	54	59	57	73	51	66	88	..	1.5	0.0
Kenya	2,585	1,686	1,608	1,385	1,761	2,636	2,512	2,944	3,028	2,656	2,965	8.1	4.3	6.5
Lesotho	424	804	933	888	860	913	1,011	997	960	785	774	14.2	10.5	2.2
Liberia	478	..	..	..	..	..	..	..	..	..	..	1.8	-1.5	..
Madagascar	764	440	465	510	546	628	629	682	672	742	930	5.4	-3.1	7.2
Malawi	308	616	712	628	536	474	624	783	579	673	563	2.7	8.7	2.3
Mali	308	505	532	502	466	556	552	556	558	632	714	9.7	8.3	4.1
Mauritania	321	385	424	375	304	395	403	355	358	305	329	7.0	2.6	-1.5
Mauritius	516	1,419	1,473	1,576	1,716	1,921	1,993	2,017	2,031	2,012	2,034	4.6	27.6	4.8
Mozambique	720	791	745	830	881	727	783	760	817	1,200	1,157	..	11.4	3.2
Namibia	1,094	1,128	1,275	1,225	1,283	1,464	1,532	1,606	1,515	1,503	1,621	..	8.1	4.6
Niger	677	281	266	259	263	297	306	300	396	317	298	11.0	-14.5	3.5
Nigeria	14,735	7,892	8,891	8,293	6,470	8,183	8,216	9,630	9,276	10,531	12,372	12.7	-8.9	4.8
Rwanda	196	228	241	268	367	194	213	277	256	249	241	12.3	6.8	0.3
São Tomé and Príncipe	15	24	22	26	24	23	20	19	17	22	22	12.5	2.1	-2.1
Senegal	973	1,186	1,192	1,102	1,022	1,217	1,268	1,176	1,288	1,375	1,342	4.9	4.7	2.0
Seychelles	84	162	180	216	188	214	263	304	352	379	361	12.4	14.2	9.8
Sierra Leone	334	139	136	130	131	120	185	81	85	68	137	1.4	2.6	-4.9
Somalia	402	..	..	..	..	..	..	..	..	..	..	15.0	-6.3	..
South Africa	18,268	17,190	18,224	18,518	21,875	27,412	27,599	28,876	27,261	24,477	27,236	8.7	7.0	5.6
Sudan	1,440	1,201	1,002	975	957	1,036	1,547	1,580	1,925	1,412	1,553	5.6	-0.7	5.3
Swaziland	538	635	780	789	832	1,064	1,062	1,090	1,104	1,062	1,015	16.6	10.0	7.0
Tanzania	1,089	1,381	1,444	1,472	1,591	1,510	1,370	1,388	1,519	1,351	1,335	3.6	9.0	0.7
Togo	524	452	409	251	229	350	447	508	553	490	491	9.4	13.8	1.7
Uganda	318	545	451	523	672	1,085	1,218	1,246	1,411	1,376	1,513	4.5	9.9	12.4
Zambia	1,114	952	1,302	1,019	1,003	1,194	1,056	1,218	971	871	978	0.3	6.9	0.3
Zimbabwe	308	1,700	1,781	1,512	1,778	2,128	2,247	2,654	2,020	1,675	1,520	1.4	6.5	2.5
NORTH AFRICA	11,015	37,124	36,752	37,896	37,651	45,426	44,783	46,533	46,560	49,505	51,708	8.0	-0.8	4.1
Algeria	9,596	7,770	8,310	7,990	9,154	10,100	9,090	8,130	8,630	8,960	9,300	5.6	-2.8	0.0
Egypt, Arab Republic	6,814	13,410	10,753	12,879	10,377	13,372	14,263	16,718	15,321	16,969	17,861	10.2	-3.7	5.5
Libya	10,368	..	..	..	..	..	..	..	..	..	..	12.0	-3.1	..
Morocco	3,770	6,848	7,450	6,981	7,648	9,353	9,080	8,903	9,463	9,957	10,601	7.3	8.7	5.4
Tunisia	3,453	4,895	6,079	5,757	6,210	7,458	7,280	7,514	7,875	8,015	8,093	13.2	7.2	5.7
ALL AFRICA	11,279	93,355	95,729	94,656	96,295	116,802	118,743	126,219	124,028	125,299	132,828	7.8	2.0	4.4

Note: 2000 data are preliminary (see page 2).

### 5-3. Exports of total services

	Millions of U.S. dollars (current prices)											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	12,382	13,597	13,778	13,766	13,892	16,742	17,832	18,442	19,443	19,812	20,554	6.3	6.1	5.2
excluding South Africa	8,876	9,561	9,517	9,805	9,173	10,994	11,735	11,808	12,949	13,270	13,371	7.6	6.8	4.5
excl S Africa & Nigeria	6,356	9,088	9,269	9,656	9,012	10,784	11,337	11,432	11,742	11,960	11,981	8.7	8.3	3.8
Angola	..	186	159	117	163	129	311	251	158	179	162	..	3.4	3.0
Benin	84	123	143	137	108	162	168	162	191	187	159	11.3	8.9	5.6
Botswana	203	693	731	746	417	744	669	788	851	917	986	14.8	16.5	6.0
Burkina Faso	65	85	83	80	67	80	71	55	54	46	41	9.2	5.8	-3.6
Burundi	26	35	31	25	23	27	17	13	11	8	6	21.0	7.4	-12.8
Cameroon	395	334	436	394	310	405	456	507	521	574	612	21.7	-1.7	3.8
Cape Verde	14	41	46	46	53	73	85	99	89	108	111	43.2	11.5	11.6
Central African Republic	58	56	56	54	45	53	47	43	40	22	16	7.0	10.9	-10.1
Chad	0	40	44	47	28	79	55	54	57	58	56	-13.0	10.2	3.7
Comoros	3	28	33	35	30	38	38	35	45	45	42	..	48.4	6.6
Congo, Democratic Rep. of	135	226	135	151	66	159	66	63	..	..	..	3.1	13.3	-16.3
Congo, Republic of	119	118	79	68	159	61	63	90	109	107	85	7.6	-28.9	9.5
Côte d'Ivoire	587	358	404	773	536	813	774	741	819	794	673	8.4	-3.5	8.3
Djibouti	..	..	..	..	..	192	188	188	206	196	195	..	..	..
Equatorial Guinea	..	66	4	5	4	4	4	4	7	7	7	..	32.3	-20.1
Eritrea	..	..	..	..	..	99	113	160	93	60	64	..	..	..
Ethiopia	131	271	305	291	283	354	413	442	458	460	514	5.0	11.5	5.7
Gabon	350	352	369	344	231	286	298	263	249	261	280	12.2	10.1	-2.0
Gambia, The	21	58	70	77	62	55	71	80	86	82	83	10.0	19.7	5.4
Ghana	110	103	137	156	171	178	461	474	494	498	535	-5.8	14.7	22.6
Guinea	54	145	160	187	153	118	124	111	111	113	114	..	20.3	-2.5
Guinea-Bissau	..	5	5	5	6	6	7	8	4	5	6	..	-13.6	1.5
Kenya	835	1,177	1,144	1,152	1,184	1,050	974	955	872	964	1,014	7.1	9.9	-2.0
Lesotho	305	518	538	519	483	498	523	496	468	384	356	14.8	6.8	-1.7
Liberia	13	..	..	..	..	..	..	..	..	..	..	18.0	17.0	..
Madagascar	82	151	177	187	208	254	292	287	306	347	380	2.6	24.1	8.3
Malawi	34	44	27	19	30	23	44	62	51	54	56	-5.4	5.5	4.6
Mali	58	96	106	99	78	88	103	102	111	99	110	10.7	14.1	1.8
Mauritania	73	66	53	34	40	48	33	23	41	42	47	9.6	9.8	-4.0
Mauritius	150	643	691	632	693	817	909	946	980	1,086	1,172	8.1	31.6	7.9
Mozambique	171	203	223	240	246	292	314	342	333	356	405	..	9.0	8.3
Namibia	205	393	378	451	483	757	664	612	513	508	432	..	8.8	4.9
Niger	68	58	56	49	37	41	39	39	54	46	39	7.4	10.5	-4.6
Nigeria	2,164	478	259	171	187	239	427	405	1,129	1,219	1,250	2.7	-11.0	13.7
Rwanda	49	47	50	37	22	38	27	60	57	56	71	27.2	8.4	2.0
São Tomé and Príncipe	6	5	5	5	6	6	6	7	7	13	12	20.0	17.7	9.0
Senegal	416	599	616	577	504	604	630	440	505	500	456	9.0	10.8	-1.9
Seychelles	97	173	198	211	201	224	242	262	280	310	315	15.4	14.2	5.7
Sierra Leone	21	69	66	70	76	61	61	26	32	33	37	42.5	-4.0	-6.2
Somalia	71	..	..	..	..	..	..	..	..	..	..	13.9	-15.9	..
South Africa	3,560	4,062	4,281	3,975	4,720	5,756	6,106	6,640	6,559	6,617	7,265	8.5	4.5	6.7
Sudan	228	54	74	111	96	134	57	47	30	70	33	12.6	-3.4	-11.3
Swaziland	82	356	296	248	265	227	219	222	210	193	154	15.4	18.4	-4.6
Tanzania	179	141	141	206	369	511	472	520	567	703	726	-1.1	1.8	20.6
Togo	95	172	161	115	81	103	162	117	120	104	112	17.7	10.9	-3.8
Uganda	11	27	27	85	90	87	157	192	218	227	235	9.2	1.4	27.3
Zambia	168	87	94	107	123	152	143	228	144	130	172	3.7	1.6	6.9
Zimbabwe	34	297	330	401	443	542	646	696	660	472	358	5.2	8.4	6.6
NORTH AFRICA	11,109	14,980	18,334	18,463	19,221	21,076	23,231	24,448	23,803	24,938	25,753	12.2	7.3	6.2
Algeria	978	490	730	760	798	800	750	1,330	1,110	940	1,300	7.4	0.9	7.6
Egypt, Arab Republic	2,662	7,153	8,189	8,332	8,677	9,556	10,636	11,241	10,455	11,015	11,420	19.9	11.9	5.8
Libya	1,446	..	..	..	..	..	..	..	..	..	..	12.8	1.9	..
Morocco	896	1,821	2,402	2,288	2,238	2,425	2,932	2,643	3,020	3,302	3,281	8.1	14.5	6.3
Tunisia	1,214	1,507	2,107	2,143	2,364	2,657	2,697	2,692	2,848	3,009	2,800	11.1	14.5	6.1
ALL AFRICA	21,428	26,903	29,804	29,894	30,638	35,242	38,166	39,811	40,378	41,699	43,142	11.5	7.8	5.6

Note: 2000 data are preliminary (see page 2).

## 5-4. Imports of total services

	Millions of U.S. dollars (current prices)											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	32,276	36,834	38,086	36,103	35,534	40,091	42,285	42,818	43,663	45,807	49,481	7.8	5.1	3.1
excluding South Africa	24,662	29,028	29,955	28,111	27,107	30,155	32,407	32,356	33,682	35,503	38,545	8.8	5.5	3.1
excl S Africa & Nigeria	15,443	23,268	24,625	23,309	21,856	24,741	27,168	27,052	27,119	27,903	29,393	10.1	7.2	2.8
Angola	..	2,967	2,980	2,568	2,469	3,071	3,940	3,639	3,638	3,991	4,628	..	20.3	6.2
Benin	112	170	219	192	171	226	242	234	236	255	222	11.2	4.1	4.1
Botswana	351	803	790	587	777	960	893	1,214	1,289	1,369	1,467	18.6	18.7	6.8
Burkina Faso	228	279	238	230	165	204	198	180	191	180	163	9.1	5.1	-1.6
Burundi	58	158	158	133	110	120	57	61	62	45	53	20.4	14.1	-11.3
Cameroon	1,026	1,350	1,741	1,626	1,071	1,115	1,270	1,320	1,208	1,267	1,450	19.0	-12.1	1.0
Cape Verde	8	24	31	36	40	66	77	88	98	127	118	29.4	15.8	16.6
Central African Republic	144	157	179	155	126	156	124	123	134	80	84	7.0	12.3	-6.5
Chad	28	219	239	240	188	235	246	250	257	249	221	-7.6	16.6	0.4
Comoros	12	48	55	52	45	52	48	45	39	37	28	..	2.8	-3.5
Congo, Democratic Rep. of	1,160	1,552	1,223	1,092	1,186	1,266	1,192	1,315	2,295	..	..	8.5	11.3	0.8
Congo, Republic of	650	1,232	1,115	1,219	1,253	935	1,638	1,497	1,814	1,538	1,699	16.3	6.0	5.9
Côte d'Ivoire	2,110	2,035	2,725	2,484	1,638	2,359	2,383	2,192	2,244	2,211	1,975	11.6	7.4	-0.3
Djibouti	..	..	..	..	..	88	90	91	98	80	81	..	..	..
Equatorial Guinea	..	36	41	51	82	95	224	345	411	672	1,204	..	69.2	38.5
Eritrea	..	..	-278	-275	-396	44	70	108	78	114	32	..	..	..
Ethiopia	105	274	292	314	273	293	318	406	386	397	425	-1.9	16.5	4.6
Gabon	1,414	1,519	1,781	1,688	1,336	1,679	1,985	1,833	1,511	1,663	1,850	10.8	-3.3	2.1
Gambia, The	44	72	80	80	70	70	73	73	81	78	79	14.3	15.0	1.6
Ghana	355	461	513	568	666	588	815	928	932	930	929	0.4	8.9	9.4
Guinea	238	484	408	403	365	407	453	406	455	426	444	..	12.3	0.0
Guinea-Bissau	..	47	43	39	41	48	48	48	37	45	54	..	10.7	1.8
Kenya	872	999	906	930	1,041	1,222	1,101	989	880	841	903	4.9	4.3	-0.9
Lesotho	58	104	115	132	129	178	202	173	179	149	120	12.9	14.1	4.9
Liberia	97	..	..	..	..	..	..	..	..	..	..	28.2	7.5	..
Madagascar	368	439	421	457	480	538	536	490	520	518	633	10.2	8.7	2.9
Malawi	330	121	96	84	112	125	152	146	180	142	131	11.5	-0.9	4.5
Mali	221	360	440	356	322	395	446	424	432	417	416	7.9	8.8	2.0
Mauritania	172	270	267	258	221	295	298	233	222	205	200	13.2	4.2	-2.5
Mauritius	207	542	619	591	625	682	727	767	788	787	808	8.7	22.1	5.4
Mozambique	155	312	355	366	393	416	404	423	509	592	619	..	7.0	6.8
Namibia	787	517	594	547	550	761	757	642	553	646	558	..	4.9	1.9
Niger	339	155	152	143	193	215	193	180	193	166	154	10.7	3.6	-0.3
Nigeria	8,498	5,743	5,328	4,806	5,250	5,420	5,251	5,315	6,559	7,550	9,040	5.3	-0.8	4.0
Rwanda	139	131	147	154	132	156	169	222	223	205	219	13.4	8.8	3.7
São Tomé and Príncipe	7	26	23	22	22	28	27	27	18	23	19	14.7	11.0	-0.5
Senegal	475	803	832	787	657	763	743	532	579	606	554	12.0	9.6	-3.6
Seychelles	43	84	91	104	94	116	133	145	163	185	195	14.6	19.7	9.1
Sierra Leone	95	138	138	134	160	113	122	56	63	69	83	3.4	1.0	-6.2
Somalia	139	..	..	..	..	..	..	..	..	..	..	9.9	6.1	..
South Africa	7,720	7,904	8,231	8,077	8,485	9,987	9,937	10,518	10,030	10,394	11,029	10.5	4.0	3.1
Sudan	416	1,097	1,091	1,146	1,183	1,236	1,039	1,152	1,203	1,362	1,637	19.8	5.6	2.0
Swaziland	121	344	282	364	347	205	242	243	262	233	218	9.8	18.1	-2.0
Tanzania	160	379	635	723	805	659	759	793	898	1,008	916	5.7	19.5	7.3
Togo	227	278	264	201	186	208	272	228	202	205	184	14.0	9.9	-3.1
Uganda	132	187	222	223	241	371	450	460	511	521	534	6.2	11.9	12.3
Zambia	872	693	623	530	566	588	490	622	536	480	505	3.1	7.5	-4.0
Zimbabwe	330	931	961	836	1,016	1,120	1,224	1,415	1,048	993	710	8.8	7.5	2.2
NORTH AFRICA	7,995	11,124	13,194	12,616	16,132	16,894	16,860	15,468	19,536	17,507	18,664	12.8	3.7	4.0
Algeria	5,035	4,060	4,030	3,510	3,770	4,320	4,710	4,630	4,590	5,070	5,500	16.1	-5.1	3.7
Egypt, Arab Republic	2,931	1,592	3,027	2,620	5,273	4,952	4,688	3,894	7,342	5,069	5,796	20.4	2.5	6.0
Libya	-10,368	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	2,076	2,752	2,943	3,045	3,124	3,459	3,280	3,072	3,190	3,175	3,001	9.0	11.8	1.9
Tunisia	918	1,461	1,701	2,012	2,138	2,250	2,274	2,121	2,203	2,212	2,254	11.5	6.6	6.0
ALL AFRICA	41,966	48,611	51,840	49,249	51,932	57,374	59,626	58,889	63,533	63,864	68,745	11.6	5.2	3.1

Note: 2000 data are preliminary (see page 2).

## 5-5. Net private transfers

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	-319	632	1,958	2,003	2,503	2,728	3,296	4,656	4,806	4,659	5,291	75	948	2,990
excluding South Africa	-413	639	1,955	2,010	2,515	2,745	3,319	4,653	4,799	4,656	5,284	90	857	2,998
excl. S. Africa & Nigeria	-413	611	1,170	1,218	1,966	1,946	2,374	2,786	3,258	3,032	3,592	42	864	2,030
Angola	..	-32	11	-14	-4	-34	11	38	73	17	35	26	-19	-4
Benin	107	84	95	94	50	68	67	77	72	74	84	60	77	77
Botswana	-11	-39	-19	-65	-85	103	-23	220	220	220	258	-5	-9	68
Burkina Faso	112	98	169	153	98	106	84	75	75	65	42	75	164	97
Burundi	3	13	13	17	21	16	11	9	6	6	5	6	9	12
Cameroon	19	-59	-72	-95	-41	-23	7	86	80	100	97	11	-69	1
Cape Verde	40	58	70	71	81	100	96	71	79	107	109	30	34	81
Central African Republic	0	-30	-27	-31	-10	-11	-10	-10	-9	-6	-8	0	-14	-17
Chad	-4	-9	-15	-23	-8	2	4	4	3	7	2	-6	-5	-3
Comoros	2	10	16	16	7	9	12	0	0	2	3	2	6	8
Congo, Democratic Rep. of	-79	-82	-97	-123	-98	-124	-138	-35	..	..	..	-47	-72	-97
Congo, Republic of	-1	-15	-19	-9	60	-2	-4	-4	-11	-6	7	-44	-64	-2
Côte d'Ivoire	-706	-368	-379	-305	-259	-439	-470	-417	-449	-475	-336	-403	-413	-400
Djibouti	..	..	..	..	..	-11	-10	-9	-5	-7	-9	..	..	-9
Equatorial Guinea	..	-2	-4	-3	0	-3	-3	-1	0	0	0	0	-1	-1
Eritrea	..	..	128	165	276	215	244	352	246	244	196	..	..	229
Ethiopia	20	203	316	248	247	311	313	33	88	89	410	37	162	221
Gabon	-124	-125	-190	-209	-163	-192	-216	-218	-160	-170	-181	-58	-143	-180
Gambia, The	2	10	12	13	15	16	17	17	24	20	12	2	3	15
Ghana	-3	220	255	261	271	263	276	393	454	472	496	7	136	324
Guinea	-3	-57	-73	-79	-82	-92	-25	-37	-16	-8	-10	-3	-26	-48
Guinea-Bissau	..	1	1	1	1	3	2	2	16	5	8	-10	-1	4
Kenya	27	144	68	147	148	408	433	497	557	564	746	41	76	353
Lesotho	2	14	16	135	148	160	172	173	174	133	141	29	20	117
Liberia	-29	..	..	..	..	..	..	..	..	..	..	-32	-25	..
Madagascar	-21	67	109	114	46	63	78	102	68	94	102	-14	54	84
Malawi	..	-33	14	30	20	-5	-25	-19	-31	13	8	15	13	-4
Mali	40	70	74	93	85	96	90	73	68	68	64	24	53	80
Mauritania	-28	1	77	28	14	30	39	54	56	46	48	-25	69	36
Mauritius	0	71	79	92	94	90	100	89	89	81	79	4	47	85
Mozambique	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Namibia	0	27	50	38	44	142	155	143	142	96	100	0	0	87
Niger	-57	-38	-40	-34	-41	-23	-25	-22	-6	-5	-11	-40	-26	-27
Nigeria	..	28	784	792	549	799	945	1,867	1,541	1,625	1,692	-137	-18	968
Rwanda	0	21	20	22	45	16	27	25	18	18	11	1	7	21
São Tomé and Príncipe	1	1	1	2	3	1	1	1	1	1	1	1	0	1
Senegal	0	28	26	40	39	40	40	35	36	83	131	-1	7	48
Seychelles	0	-2	-3	-6	-7	-5	-6	-6	-8	-7	-6	0	5	-5
Sierra Leone	0	0	0	0	0	0	0	6	5	7	7	1	1	2
Somalia	57	..	..	..	..	..	..	..	..	..	..	43	..	..
South Africa	94	-7	3	-7	-12	-17	-23	3	7	3	7	79	91	-8
Sudan	257	124	138	81	68	60	321	429	490	446	315	267	330	237
Swaziland	0	9	4	27	40	134	146	93	131	110	141	1	3	76
Tanzania	22	172	194	197	465	18	20	26	31	34	35	22	364	126
Togo	1	14	9	10	9	11	10	9	11	21	39	-1	8	14
Uganda	-2	81	136	108	304	330	421	322	539	375	513	7	95	291
Zambia	-176	-40	-33	-19	-19	-20	-17	-16	-27	-16	-18	-86	-35	-24
Zimbabwe	120	2	40	26	86	120	149	126	128	115	-70	87	23	66
NORTH AFRICA														
Algeria	..	..	..	..	..	..	..	..	..	..	0	..	..	0
Egypt, Arab Republic	2,791	2,569	3,029	3,835	3,232	3,279	2,798	3,256	3,718	3,772	3,747	2,091	3,289	3,362
Libya	-1,089	..	..	..	..	..	..	..	..	..	..	-1,075	-571	-446
Morocco	1,070	2,157	2,325	2,141	2,096	2,261	2,526	2,158	2,293	2,165	2,332	822	1,419	2,237
Tunisia	348	563	570	597	688	753	835	766	813	886	807	255	435	717
ALL AFRICA	2,802	5,920	7,881	8,576	8,519	9,020	9,455	10,835	11,630	11,483	12,176	2,789	5,520	9,265

Note: 2000 data are preliminary (see page 2). Nigeria's series shows a data break between 1991 and 1992.



## 5-6. Net official current transfers

	Millions of U.S. dollars (current prices)										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	1,231	2,371	2,395	1,978	2,020	1,547	2,542	1,729	1,844	1,262	1,494	1,370	1,958	2,021
excluding South Africa	1,086	2,876	2,764	2,612	2,616	2,175	3,265	2,454	2,592	2,192	2,427	1,262	1,903	2,629
excl. S. Africa & Nigeria	1,253	2,854	2,772	2,558	2,666	2,241	3,333	2,480	2,617	2,172	2,395	1,336	1,895	2,635
Angola	..	60	91	179	249	190	1,013	68	87	45	54	..	67	191
Benin	0	19	20	64	5	6	4	70	52	64	49	0	3	34
Botswana	65	218	135	142	160	-131	113	129	129	129	129	31	135	120
Burkina Faso	0	128	79	108	129	133	121	241	259	271	249	0	0	170
Burundi	42	120	102	111	144	136	50	51	50	46	71	45	65	89
Cameroon	64	118	248	76	61	80	28	0	25	17	0	40	115	62
Cape Verde	0	32	58	34	40	48	45	36	42	35	16	0	28	38
Central African Republic	0	73	50	50	32	33	8	23	34	30	27	27	41	38
Chad	0	102	108	49	129	78	57	59	50	21	32	0	95	72
Comoros	11	29	19	28	21	24	0	0	0	0	0	20	38	14
Congo, Democratic Rep. of	267	25	8	7	99	153	112	68	..	..	..	137	113	66
Congo, Republic of	0	5	0	0	19	21	8	2	6	1	12	0	3	8
Côte d'Ivoire	0	74	-20	46	-31	-27	-28	-22	-21	-20	-16	23	92	15
Djibouti	..	..	..	..	..	60	57	61	74	68	52	..	..	62
Equatorial Guinea	..	2	1	1	7	7	4	6	4	1	1	0	6	4
Eritrea	..	..	43	17	44	22	27	0	0	0	0	..	..	17
Ethiopia	60	26	57	108	87	148	392	226	261	213	291	40	57	169
Gabon	33	14	6	14	15	0	0	0	17	17	17	30	16	11
Gambia, The	..	..	..	0	30	27	25	28	36	31	33	1	0	26
Ghana	0	0	0	256	201	260	206	160	288	148	154	0	0	152
Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guinea-Bissau	..	25	29	21	26	30	30	23	7	22	17	6	24	25
Kenya	0	0	0	0	0	0	0	0	0	0	91	0	0	8
Lesotho	-90	-45	-33	0	0	0	0	0	0	0	0	-174	-166	-22
Liberia	36	..	..	..	..	..	..	..	..	..	..	57	78	..
Madagascar	0	113	54	70	44	17	81	80	17	35	34	37	106	64
Malawi	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mali	-6	179	214	132	143	97	106	56	47	39	65	2	98	109
Mauritania	118	61	72	86	41	32	104	105	87	118	78	119	111	77
Mauritius	0	17	14	6	7	19	16	30	17	8	6	3	19	14
Mozambique	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Namibia	101	348	401	313	300	280	284	323	314	312	364	360	294	324
Niger	154	18	34	61	0	0	0	0	0	0	0	127	104	13
Nigeria	-167	22	-9	54	-49	-66	-68	-26	-25	20	32	-44	8	-6
Rwanda	104	162	92	78	347	231	196	263	244	250	268	92	74	206
São Tomé and Príncipe	0	9	3	2	3	5	1	10	9	6	4	0	6	6
Senegal	28	3	8	-26	95	70	18	143	136	77	67	-10	-4	54
Seychelles	15	19	20	22	15	13	16	15	18	11	11	13	23	16
Sierra Leone	26	34	0	0	10	0	21	7	3	11	0	11	13	11
Somalia	143	..	..	..	..	..	..	..	..	..	..	111	291	265
South Africa	145	-505	-369	-634	-596	-628	-723	-725	-748	-930	-933	96	55	-608
Sudan	84	237	177	77	55	44	40	23	17	11	4	124	335	87
Swaziland	79	100	124	128	116	102	110	128	79	129	138	46	60	114
Tanzania	0	235	262	266	0	0	0	0	0	0	0	42	0	93
Togo	86	68	56	28	16	26	24	21	22	..	..	55	56	37
Uganda	0	0	0	0	0	0	0	0	0	0	0	6	0	0
Zambia	0	0	0	0	0	0	0	0	0	0	0	10	0	0
Zimbabwe	0	0	0	0	0	0	0	0	0	0	50	0	0	5
NORTH AFRICA	..	..	..	..	..	..	..	..	..	..	..	..	..	1,233
Algeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt, Arab Republic	..	4,851	1,352	1,902	814	919	724	890	883	1,097	932	..	584	1,405
Libya	-46	..	..	..	..	..	..	..	..	..	..	-85	-39	-35
Morocco	47	118	208	154	173	70	50	48	52	-11	94	15	95	103
Tunisia	42	0	0	0	0	0	25	25	18	16	18	36	7	9
ALL AFRICA	7,341	3,955	4,035	3,007	2,535	3,340	2,691	2,796	2,363	2,539	1,445	2,365	3,535	

Note: 2000 data are preliminary (see page 2).

## 5-7. Current account balance, excluding net capital grants

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	-717	-10,241	-12,777	-12,641	-10,139	-12,475	-6,500	-11,034	-20,098	-17,274	-7,621	-8,842	-7,577	-11,637
excluding South Africa	-4,226	-12,502	-14,724	-14,130	-10,233	-10,271	-4,609	-8,771	-17,770	-16,718	-7,181	-8,501	-9,874	-11,471
excl S Africa & Nigeria	-8,536	-11,522	-13,425	-11,972	-8,614	-9,374	-8,562	-11,611	-14,695	-13,428	-9,184	-6,734	-8,033	-11,198
Angola	..	-651	-874	-848	-498	-916	451	-872	-1,858	-1,702	-4	..	-49	-728
Benin	-197	-89	-151	-95	-73	-194	-185	-159	-133	-181	-182	-174	-84	-140
Botswana	-152	337	244	503	239	338	663	542	136	-275	-335	-101	301	221
Burkina Faso	-259	-188	-186	-163	-35	-133	-251	-92	-117	-126	-143	-203	-227	-140
Burundi	-86	-95	-117	-79	-15	-4	-39	2	-55	-28	-30	-98	-90	-53
Cameroon	-495	-50	-216	-620	-324	-71	-375	-258	-235	-377	-153	-389	-356	-261
Cape Verde	-25	-17	-20	-33	-38	-54	-27	-55	-74	-93	-75	-38	-14	-46
Central African Republic	-43	-111	-173	-108	-48	-81	-63	-57	-80	-25	-21	-24	-96	-87
Chad	-16	-143	-162	-219	-115	-110	-134	-143	-158	-219	-193	-80	-150	-161
Comoros	-9	-16	-40	-17	-22	-24	-41	-53	-30	-25	-9	-14	-9	-28
Congo, Democratic Rep. of	-87	-1,037	-866	-528	-530	-465	-348	-658	-583	..	..	-366	-514	-639
Congo, Republic of	-167	-508	-315	-541	-670	-335	-593	-471	-1,119	-403	253	-258	-230	-451
Côte d'Ivoire	..	-1,347	-1,515	-1,235	-52	-183	-588	-527	-538	-558	-508	-594	-686	-765
Djibouti	..	..	..	..	..	-17	-16	-12	-3	-4	-43	..	..	-16
Equatorial Guinea	..	-25	-51	-48	-73	-97	-244	-250	-375	-289	-297	6	20	-157
Eritrea	..	..	-19	46	62	-31	-104	-37	-238	-285	-208	..	..	-91
Ethiopia	-126	-528	-335	-497	-291	-90	68	-416	-333	-708	-335	-176	-376	-337
Gabon	514	91	-226	-58	336	159	317	237	-183	131	128	157	-490	98
Gambia, The	-86	-46	-51	-54	-18	-35	-40	-15	-13	-19	-21	-47	-33	-32
Ghana	-54	-454	-592	-559	-376	-140	-358	-1,132	-522	-1,058	-605	-154	-254	-566
Guinea	-26	-198	-260	-225	-267	-316	-327	-244	-278	-257	-201	-62	-227	-258
Guinea-Bissau	..	-62	-86	-50	-29	-45	-45	-39	-35	-28	-46	..	-49	-45
Kenya	-1,233	-309	-290	88	14	-475	-124	-421	-467	-215	-243	-493	-572	-282
Lesotho	-207	-354	-418	-247	-216	-282	-354	-308	-301	-227	-200	-222	-270	-297
Liberia	46	..	..	..	..	..	..	..	..	..	..	15	-15	..
Madagascar	-635	-216	-222	-263	-280	-267	-201	-196	-278	-201	-219	-264	-142	-235
Malawi	-310	-250	-371	-341	-271	-177	-273	-346	-200	-301	-225	-163	-110	-264
Mali	-232	-150	-216	-185	-146	-228	-265	-187	-203	-247	-267	-168	-216	-208
Mauritania	-133	-93	-90	-105	-37	-102	-40	1	-36	29	-12	-133	-22	-57
Mauritius	-139	-16	-6	-103	-138	-112	-3	-49	-90	-21	-16	-81	-6	-61
Mozambique	-423	-738	-738	-825	-864	-677	-647	-611	-749	-1,152	-1,007	-489	-635	-798
Namibia	-40	258	223	271	303	362	231	169	137	139	196	33	135	224
Niger	-429	-128	-24	-24	-233	-208	-183	-192	-207	-156	-170	-247	-33	-155
Nigeria	4,310	-980	-1,298	-2,158	-1,618	-897	3,953	2,840	-3,075	-3,290	2,003	-1,767	-1,841	-272
Rwanda	-48	-33	-157	-218	-53	-15	-70	-59	-96	-67	-23	-23	-157	-80
São Tomé and Príncipe	1	-30	-31	-33	-28	-35	-34	-23	-12	-22	-22	-6	-19	-27
Senegal	-524	-455	-545	-578	-251	-298	-336	-185	-216	-292	-284	-392	-488	-353
Seychelles	-23	-8	-8	-42	-21	-44	-66	-63	-102	-105	-62	-17	6	-48
Sierra Leone	-168	1	-59	-76	-11	-70	-119	-11	-43	-26	-101	-128	-56	-49
Somalia	-136	..	..	..	..	..	..	..	..	..	..	-117	-121	-81
South Africa	3,508	2,261	1,947	1,489	94	-2,204	-1,891	-2,263	-2,328	-556	-440	-341	2,297	-166
Sudan	-721	-1,538	-1,354	-1,426	-1,459	-1,479	-1,548	-1,639	-1,995	-1,467	-974	-555	-603	-1,471
Swaziland	-130	80	1	-64	34	-35	-87	0	-49	-7	-41	-61	42	-7
Tanzania	-540	-818	-1,068	-1,115	-1,076	-1,047	-942	-842	-1,242	-1,061	-827	-424	-586	-982
Togo	-95	-79	-119	-84	-64	-63	-112	-88	-89	-120	-115	-101	-90	-97
Uganda	-121	-449	-338	-396	-265	-444	-500	-521	-706	-746	-861	-57	-177	-514
Zambia	-538	-513	-743	-467	-398	-464	-427	-509	-574	-481	-583	-377	-308	-504
Zimbabwe	-444	-547	-842	-311	-318	-370	-180	-823	-355	-157	-101	-283	-46	-387
<b>NORTH AFRICA</b>	6,271	5,220	2,438	1,301	-2,805	-3,870	421	2,889	-4,207	-2,186	6,621	-3,616	-3,530	717
Algeria	242	2,390	1,290	810	-1,839	-2,240	1,050	3,450	-910	20	9,000	-1,008	-855	1,306
Egypt, Arab Republic	-438	3,821	2,670	2,295	410	386	-185	119	-2,479	-1,709	-1,171	-1,765	-1,701	320
Libya	8,259	..	..	..	..	..	..	..	..	..	..	1,034	-408	2,236
Morocco	-1,420	-413	-433	-521	-723	-1,186	35	-87	-144	-55	-387	-1,369	-251	-374
Tunisia	-373	-577	-1,089	-1,283	-654	-830	-479	-593	-675	-443	-821	-507	-314	-738
<b>ALL AFRICA</b>	5,553	-5,021	-10,339	-11,340	-12,944	-16,345	-6,079	-8,145	-24,306	-19,460	-1,000	-12,458	-11,107	-10,919

Note: 2000 data are preliminary (see page 2).

## 5-8. Current account balance, excluding net capital grants/GDP

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	0.0	-3.4	-4.2	-4.4	-3.7	-4.0	-2.0	-3.2	-6.3	-5.6	-2.4	-4.4	-3.1	-3.8
excluding South Africa	-2.3	-7.0	-8.6	-9.2	-7.2	-6.3	-2.5	-4.6	-9.6	-9.2	-3.8	-6.2	-6.1	-6.6
excl. S. Africa & Nigeria	-4.5	-7.6	-9.7	-9.0	-7.3	-6.9	-5.7	-7.4	-9.6	-9.2	-6.2	-7.4	-5.8	-7.8
Angola	..	-5.3	-15.1	-16.0	-12.3	-18.2	6.0	-11.3	-28.8	-27.5	0.0	..	-0.6	-11.9
Benin	-14.0	-4.8	-9.3	-4.5	-4.9	-9.7	-8.4	-7.7	-5.9	-7.8	-8.4	-16.6	-5.8	-6.9
Botswana	-13.4	8.6	5.9	12.1	5.4	6.9	13.5	10.7	2.8	-5.4	-6.3	-11.4	13.5	5.0
Burkina Faso	-15.2	-6.8	-9.3	-7.6	-2.0	-6.1	-10.1	-4.0	-4.7	-5.1	-6.5	-15.6	-11.4	-6.0
Burundi	-9.3	-8.2	-10.8	-8.4	-1.6	-0.4	-4.4	0.3	-6.2	-3.9	-4.5	-9.8	-8.0	-5.4
Cameroon	-7.3	-0.4	-1.9	-5.2	-4.1	-0.9	-4.1	-2.8	-2.7	-4.1	-1.7	-7.5	-3.2	-2.7
Cape Verde	-23.5	-4.8	-5.2	-9.0	-9.1	-11.0	-5.4	-10.8	-13.7	-15.7	-13.5	-42.3	-9.4	-9.4
Central African Republic	-5.4	-7.9	-12.1	-8.3	-5.6	-7.2	-5.9	-5.6	-7.6	-2.4	-2.2	-4.0	-8.2	-7.0
Chad	-1.5	-7.6	-8.6	-15.0	-9.8	-7.7	-8.4	-9.5	-9.3	-14.0	-13.7	-8.6	-12.3	-10.3
Comoros	-7.2	-6.5	-15.2	-6.6	-11.7	-11.1	-19.1	-27.1	-13.8	-10.9	-4.6	-13.0	-6.0	-12.5
Congo, Democratic Rep. of	-0.6	-11.4	-10.6	-5.9	-9.1	-8.2	-5.9	-11.4	-10.4	..	..	-3.4	-6.2	-9.0
Congo, Republic of	-9.8	-18.7	-10.7	-28.2	-37.8	-13.4	-23.4	-20.3	-57.4	-17.1	7.9	-21.5	-11.1	-20.8
Côte d'Ivoire	..	-12.8	-13.6	-11.9	-0.7	-1.8	-5.4	-4.9	-4.7	-5.0	-5.4	-8.6	-6.8	-7.2
Djibouti	..	..	..	..	..	-3.4	-3.3	-2.3	-0.6	-0.8	-7.7	..	..	-3.0
Equatorial Guinea	..	-18.9	-32.8	-31.6	-58.2	-58.9	-94.3	-50.3	-82.2	-33.2	-19.1	..	18.7	-42.0
Eritrea	..	..	-4.4	11.2	12.1	-5.4	-16.5	-5.6	-35.0	-43.9	-34.2	..	..	-13.5
Ethiopia	..	-9.9	-6.0	-8.0	-5.9	-1.6	1.1	-6.5	-5.1	-10.9	-5.2	-5.8	-5.1	-5.6
Gabon	12.0	1.7	-4.0	-1.3	8.0	3.2	5.5	4.4	-4.0	3.0	2.6	4.2	-13.9	2.0
Gambia, The	-35.7	-14.4	-14.7	-14.6	-5.0	-9.3	-10.2	-3.8	-3.0	-4.3	-4.7	-22.5	-15.1	-8.8
Ghana	-1.2	-6.9	-9.2	-9.4	-6.9	-2.2	-5.2	-16.4	-7.0	-13.6	-11.9	-3.9	-5.0	-8.7
Guinea	..	-6.6	-7.9	-6.9	-7.8	-8.6	-8.5	-6.5	-7.7	-7.5	-6.5	..	-10.1	-7.6
Guinea-Bissau	..	-24.2	-37.8	-21.0	-12.4	-17.6	-16.5	-14.7	-16.9	-12.6	-21.1	..	-26.6	-19.0
Kenya	-17.0	-3.8	-3.6	1.8	0.2	-5.3	-1.3	-4.0	-4.1	-2.0	-2.3	-8.4	-7.4	-2.9
Lesotho	-47.9	-52.5	-50.9	-30.3	-25.9	-30.2	-37.5	-30.1	-33.8	-24.9	-22.3	-66.6	-61.5	-36.1
Liberia	4.1	..	..	..	..	..	..	..	..	..	..	1.9	-1.2	..
Madagascar	-15.7	-8.1	-7.4	-7.8	-9.4	-8.4	-5.0	-5.5	-7.4	-5.4	-5.4	-7.6	-5.3	-7.1
Malawi	-25.0	-11.4	-20.6	-16.5	-22.9	-12.4	-11.2	-13.7	-11.5	-16.6	-13.2	-15.6	-8.2	-14.3
Mali	-13.0	-6.2	-7.6	-6.9	-8.3	-9.2	-10.1	-7.6	-7.8	-9.6	-11.6	-12.9	-12.6	-8.4
Mauritania	-18.8	-8.2	-7.6	-11.1	-3.6	-9.5	-3.6	0.1	-3.6	3.0	-1.3	-19.9	-3.0	-5.4
Mauritius	-12.3	-0.6	-0.2	-3.2	-3.9	-2.8	-0.1	-1.2	-2.2	-0.5	-0.4	-7.6	0.0	-1.8
Mozambique	-12.0	-30.2	-39.8	-41.6	-39.7	-29.3	-22.8	-18.0	-19.3	-28.9	-26.4	-14.2	-23.1	-29.7
Namibia	-1.7	9.6	7.3	9.5	9.3	10.3	6.6	4.6	4.0	4.0	5.6	1.8	7.5	7.1
Niger	-17.1	-5.5	-1.0	-1.5	-14.9	-11.0	-9.2	-10.4	-10.0	-7.7	-9.3	-13.6	-3.1	-8.0
Nigeria	6.7	-3.6	-4.0	-10.1	-6.8	-3.2	11.2	7.8	-9.6	-9.5	4.9	-4.5	-8.5	-1.6
Rwanda	-4.1	-1.7	-7.7	-11.1	-7.0	-1.2	-5.0	-3.2	-4.7	-3.4	-1.3	-1.6	-7.0	-4.5
São Tomé and Príncipe	2.1	-53.3	-67.9	-70.1	-57.4	-76.7	-76.0	-53.1	-30.5	-45.8	-46.0	-10.5	-36.8	-56.5
Senegal	-17.5	-8.3	-9.0	-10.6	-6.9	-6.7	-7.2	-4.2	-4.7	-6.2	-6.5	-16.1	-12.4	-7.1
Seychelles	-15.9	-2.1	-1.7	-9.0	-4.4	-8.7	-12.0	-10.7	-16.8	-17.1	-9.9	-15.8	2.8	-8.7
Sierra Leone	-14.4	0.2	-8.5	-9.9	-1.2	-7.3	-13.2	-1.2	-6.4	-3.7	-16.7	-10.1	-5.1	-6.4
Somalia	-22.6	..	..	..	..	..	..	..	..	..	..	-17.3	-12.2	-8.8
South Africa	4.4	1.9	1.5	1.1	0.1	-1.5	-1.3	-1.5	-1.8	-0.4	-0.3	-0.5	3.2	0.0
Sudan	-9.5	-13.5	-21.1	-18.1	-17.9	-20.6	-18.8	-15.5	-19.3	-14.6	-8.5	-7.0	-3.8	-16.1
Swaziland	-22.3	9.0	0.1	-6.3	3.1	-2.7	-6.7	0.0	-3.7	-0.5	-3.0	-11.1	5.8	-0.1
Tanzania	..	-16.5	-23.2	-26.2	-23.8	-19.9	-14.5	-11.0	-14.5	-12.5	-9.2	-10.0	-13.5	-17.2
Togo	-8.4	-4.9	-7.0	-6.8	-6.5	-4.8	-7.6	-5.9	-6.3	-8.5	-9.5	-12.2	-7.8	-6.9
Uganda	-9.7	-13.5	-11.8	-12.3	-6.6	-7.7	-8.3	-8.3	-10.4	-11.6	-13.9	-3.1	-3.2	-10.4
Zambia	-13.8	-15.2	-23.4	-14.3	-11.9	-13.4	-13.1	-13.0	-17.7	-15.5	-20.0	-11.9	-13.0	-15.4
Zimbabwe	-6.6	-6.3	-12.5	-4.7	-4.6	-5.2	-2.1	-9.6	-5.6	-2.9	-1.4	-4.0	-0.8	-5.3
NORTH AFRICA	4.9	4.2	1.8	0.9	-2.0	-2.5	0.2	1.6	-2.3	-1.1	3.2	-4.0	-2.4	0.4
Algeria	0.6	5.2	2.7	1.6	-4.3	-5.4	2.2	7.2	-1.9	0.0	16.9	-4.5	-1.4	2.4
Egypt, Arab Republic	-1.9	10.3	6.4	4.9	0.8	0.6	-0.3	0.2	-3.0	-1.9	-1.2	-9.6	-4.7	1.4
Libya	23.2	..	..	..	..	..	..	..	..	..	..	4.8	-2.2	..
Morocco	-7.5	-1.5	-1.5	-1.9	-2.4	-3.6	0.1	-0.3	-0.4	-0.2	-1.2	-10.3	-1.7	-1.2
Tunisia	-4.3	-4.4	-7.0	-8.8	-4.2	-4.6	-2.4	-3.1	-3.4	-2.1	-4.2	-7.4	-3.5	-4.5
ALL AFRICA	1.7	-1.2	-2.4	-2.7	-3.1	-3.5	-1.2	-1.6	-4.8	-3.9	-0.2	-4.2	-2.8	-2.4

Note: 2000 data are preliminary (see page 2). Since 1994, Nigeria's ratios are distorted because the official exchange rate used by the Government for oil exports and oil value added is significantly over-valued.

## 5-9. Net capital grants

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	1,130	3,991	5,025	4,298	3,908	4,066	3,605	3,203	3,656	3,123	3,349	1,095	2,656	3,800
excluding South Africa	1,130	4,027	5,067	4,356	3,842	4,106	3,652	3,397	3,712	3,166	3,408	1,110	2,652	3,845
excl S Africa & Nigeria	1,130	4,027	5,067	4,356	3,842	4,106	3,652	3,397	3,712	3,166	3,408	1,110	2,652	3,845
Angola	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benin	63	45	59	63	54	70	56	84	62	64	61	63	63	62
Botswana	8	4	7	9	6	3	5	5	5	5	5	6	4	5
Burkina Faso	211	98	142	98	65	103	159	139	144	191	0	151	193	110
Burundi	34	66	63	53	0	0	0	0	0	0	0	38	37	22
Cameroon	0	0	0	0	0	0	0	0	0	-377	-153	0	0	-48
Cape Verde	29	8	9	19	20	21	13	51	70	42	31	20	10	26
Central African Republic	0	65	82	69	63	56	39	..	..	..	..	0	43	62
Chad	28	77	76	95	70	53	49	53	70	49	67	76	107	68
Comoros	0	11	21	14	0	0	21	19	17	16	9	0	0	13
Congo, Democratic Rep. of	0	76	24	19	41	204	110	1	..	..	..	0	108	80
Congo, Republic of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Côte d'Ivoire	..	53	86	95	53	70	79	69	68	65	56	0	0	63
Djibouti	..	..	..	..	..	0	0	0	0	0	0	..	..	0
Equatorial Guinea	..	35	26	29	5	3	2	3	3	1	1	7	20	13
Eritrea	..	..	125	52	36	49	55	29	64	88	102	..	..	67
Ethiopia	0	266	375	293	199	280	259	225	229	200	291	26	183	248
Gabon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gambia, The	..	38	36	40	35	28	26	28	36	31	33	17	41	34
Ghana	83	202	216	256	201	260	206	159	288	148	154	69	144	209
Guinea	17	114	131	124	124	150	130	125	137	109	112	13	56	123
Guinea-Bissau	..	33	28	37	44	56	41	32	0	21	16	16	32	31
Kenya	118	204	214	94	87	90	125	82	83	62	63	84	174	119
Lesotho	..	58	50	42	40	41	5	17	12	11	8	6	25	32
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	0	0	72	87	72	85	51	114	119	107	114	16	0	75
Malawi	50	66	153	128	111	152	97	83	157	157	148	33	50	122
Mali	78	63	36	30	57	99	94	92	76	78	123	95	62	72
Mauritania	0	22	21	20	26	30	10	16	25	12	21	0	42	20
Mauritius	11	15	19	2	1	13	13	13	13	13	13	5	18	13
Mozambique	56	502	499	503	565	339	225	313	313	434	564	90	293	428
Namibia	0	29	32	27	43	40	42	33	24	22	22	0	0	32
Niger	0	140	95	94	134	120	117	113	127	105	80	0	55	117
Nigeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rwanda	0	0	79	87	7	69	68	87	71	53	47	10	0	52
São Tomé and Príncipe	0	7	4	8	8	18	20	22	4	9	12	0	3	11
Senegal	92	262	328	266	256	272	273	92	108	94	70	138	226	208
Seychelles	15	19	20	22	15	0	0	0	0	0	0	10	23	9
Sierra Leone	11	0	0	0	0	0	3	0	1	4	8	5	5	1
Somalia	0	0	0	0	0	0	0	0	..	..	..	0	0	0
South Africa	0	-36	-42	-58	66	-40	-47	-194	-56	-43	-59	-16	4	-45
Sudan	0	0	20	29	15	11	8	4	0	26	18	4	0	12
Swaziland	-2	0	0	0	0	0	0	0	0	0	0	-1	0	0
Tanzania	108	549	809	759	634	525	581	690	695	737	763	115	378	661
Togo	..	24	26	4	7	8	7	13	15	..	..	24	34	16
Uganda	38	262	206	277	228	303	277	307	380	277	312	47	72	271
Zambia	23	521	635	340	338	318	304	198	221	214	185	13	95	324
Zimbabwe	58	95	242	173	181	167	85	85	77	101	53	39	68	124
NORTH AFRICA	43	122	81	104	103	70	46	95	82	73	3	196	537	90
Algeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt, Arab Republic	2	0	0	0	0	0	0	0	0	0	0	182	461	0
Libya	0	0	0	0	0	0	0	0	..	..	..	0	0	0
Morocco	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunisia	42	122	81	104	103	70	46	95	82	73	3	27	75	90
ALL AFRICA	1,173	4,112	5,106	4,402	4,010	4,136	3,651	3,297	3,739	3,196	3,352	1,290	3,193	3,890

Note: 2000 data are preliminary (see page 2).

## 5-10. Net foreign direct investment

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	-706	1,683	-401	1,120	909	989	3,213	6,086	4,704	6,931	6,337	696	1,797	2,936
excluding South Africa	59	1,643	1,532	1,408	1,765	2,245	3,439	4,620	5,923	7,178	5,982	869	1,931	3,333
excl S Africa & Nigeria	798	1,055	818	827	1,177	1,568	2,680	3,080	4,703	5,905	4,608	686	1,074	2,414
Angola	..	665	288	302	327	303	181	412	1,114	2,471	1,495	346	192	657
Benin	4	4	26	-7	8	4	-6	19	18	77	43	2	1	17
Botswana	109	-17	-12	-296	-24	30	89	100	100	100	100	46	64	24
Burkina Faso	0	22	9	9	25	20	16	12	-24	9	31	1	0	11
Burundi	1	1	1	0	0	1	0	0	0	0	6	1	1	1
Cameroon	105	147	206	134	-228	-154	92	100	-50	7	280	58	322	59
Cape Verde	..	1	-1	3	2	26	28	12	9	67	31	..	1	16
Central African Republic	5	-8	4	-15	-13	4	12	-5	7	2	3	6	4	-1
Chad	0	5	3	21	35	37	43	37	46	46	72	11	21	34
Comoros	0	3	-1	0	0	1	1	0	0	0	0	0	3	0
Congo, Democratic Rep. of	0	0	0	0	0	0	0	0	..	..	..	91	9	2
Congo, Republic of	40	-65	49	254	285	27	587	145	299	519	476	24	18	229
Côte d'Ivoire	83	45	35	24	-25	234	223	314	247	196	103	51	53	129
Djibouti	..	..	..	..	..	3	3	2	3	4	9	..	..	4
Equatorial Guinea	..	43	-3	-10	65	93	264	185	366	30	113	0	1	105
Eritrea	..	..	0	0	0	0	37	39	32	83	28	..	..	24
Ethiopia	0	0	0	0	0	0	0	60	7	136	51	3	0	23
Gabon	24	-150	-87	-114	-100	-109	-146	-63	-62	129	-15	59	219	-58
Gambia, The	..	10	11	9	6	6	8	9	12	7	3	..	5	8
Ghana	16	20	22	106	128	83	70	36	45	46	100	13	7	61
Guinea	34	46	56	6	11	25	17	45	49	34	12	12	25	28
Guinea-Bissau	..	0	0	0	0	0	0	0	0	0	0	..	0	0
Kenya	78	19	6	2	4	33	13	40	42	42	127	25	27	32
Lesotho	4	7	3	185	249	295	278	262	278	201	145	2	9	175
Liberia	..	..	..	..	..	..	..	..	..	..	..	47	2	..
Madagascar	0	14	21	15	6	10	10	14	16	58	70	-1	3	23
Malawi	10	0	0	0	0	0	30	24	34	39	27	4	0	14
Mali	24	-8	-9	-7	38	30	60	-14	-50	24	18	16	1	6
Mauritania	27	4	5	12	3	7	0	-3	0	0	1	1	2	3
Mauritius	1	14	-16	-18	10	27	18	25	38	21	133	2	19	26
Mozambique	0	23	25	32	35	45	73	64	213	382	139	0	3	94
Namibia	..	114	120	47	104	157	150	90	98	109	114	..	..	103
Niger	44	0	0	0	0	0	0	0	0	2	12	17	-5	0
Nigeria	-739	588	714	581	588	677	760	1,539	1,220	1,473	1,374	206	857	920
Rwanda	16	5	6	6	0	2	2	3	7	2	14	11	19	5
São Tomé and Príncipe	..	3	1	4	2	2	2	0	4	3	4	..	1	2
Senegal	61	-4	-53	-48	48	-10	-5	107	53	126	36	34	-25	22
Seychelles	6	8	-3	6	17	27	17	34	42	52	30	5	11	22
Sierra Leone	10	3	5	18	17	-5	0	0	4	2	2	4	1	4
Somalia	..	..	..	..	..	..	..	..	..	..	..	-1	..	..
South Africa	-765	40	-1,933	-288	-856	-1,256	-226	1,466	-1,219	-447	355	-178	-134	-397
Sudan	0	0	0	0	0	0	70	300	700	224	179	0	0	134
Swaziland	18	58	50	44	-1	10	23	34	10	30	34	15	35	29
Tanzania	..	10	15	62	63	104	134	150	172	183	193	..	..	99
Togo	42	12	19	2	6	5	24	19	1	..	..	23	13	11
Uganda	0	1	2	4	5	2	110	160	190	230	248	1	22	87
Zambia	62	0	0	3	40	97	117	207	198	163	126	20	0	86
Zimbabwe	-26	3	15	32	30	98	35	107	436	50	15	-18	-5	74
NORTH AFRICA	-78	..	..	..	..	1,350	1,470	2,409	2,477	2,284	2,886	72	198	1,887
Algeria	281	-80	30	0	0	0	270	260	500	460	400	-2	-67	164
Egypt, Arab Republic	541	1,094	1,032	1,021	1,285	735	612	723	967	655	1,613	456	171	898
Libya	-1,136	..	..	..	..	..	..	..	..	..	..	-564	-33	54
Morocco	..	..	..	..	..	320	327	1,071	313	831	143	..	..	501
Tunisia	236	166	487	545	442	295	261	355	697	337	731	182	128	409
ALL AFRICA	-784	2,863	1,149	2,685	2,635	2,339	4,684	8,445	7,181	9,215	9,223	768	1,996	4,684

Note: 2000 data are preliminary (see page 2).

## 5-11. Net long-term borrowing

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	7,741	4,351	3,850	4,971	4,427	3,983	765	2,097	-279	-933	-291	6,163	5,672	2,548
excluding South Africa	7,741	4,351	3,850	4,971	2,903	2,505	1,244	2,202	107	-235	-291	6,163	5,672	2,427
excl. S. Africa & Nigeria	6,231	4,427	5,193	5,006	3,051	2,990	2,346	2,727	594	185	-291	5,148	5,469	2,870
Angola	..	96	501	622	263	215	124	385	-122	-672	-819	234	758	116
Benin	56	84	65	63	85	77	83	23	32	35	..	77	57	65
Botswana	21	49	23	45	-10	1	-45	-52	-33	75	..	28	37	2
Burkina Faso	55	121	128	119	80	83	73	39	56	68	..	48	73	83
Burundi	35	60	86	58	31	27	23	7	18	50	75	37	85	46
Cameroon	500	219	520	264	249	-102	-41	-11	-89	-24	..	313	237	144
Cape Verde	..	-1	10	6	23	16	19	12	31	16	12	18	8	14
Central African Republic	24	94	41	48	36	30	25	3	-4	-2	..	17	68	38
Chad	3	88	139	52	61	56	91	68	29	123	0	21	41	73
Comoros	13	-3	15	4	6	9	6	3	-1	28	30	11	14	9
Congo, Democratic Rep. of	271	263	55	54	1	0	3	0	0	8	0	281	239	59
Congo, Republic of	488	-167	33	383	30	-67	-136	-30	-7	-315	37	222	141	-26
Côte d'Ivoire	1,017	389	351	284	524	204	64	-580	-225	-213	-206	636	141	101
Djibouti	8	46	36	19	17	9	15	7	2	1	..	8	17	17
Equatorial Guinea	18	7	13	9	4	2	0	1	0	3	..	8	17	5
Eritrea	..	..	..	..	27	7	7	33	67	123	..	..	..	44
Ethiopia	93	357	263	314	170	141	3	127	82	142	112	426	448	176
Gabon	-109	68	8	58	38	57	-42	-23	-66	-264	-153	52	207	-14
Gambia, The	51	13	37	7	3	9	43	11	1	2	21	18	21	14
Ghana	143	388	354	324	302	405	690	417	273	117	132	69	244	336
Guinea	47	145	149	245	122	49	85	143	54	-35	-80	44	132	89
Guinea-Bissau	72	38	37	22	25	13	23	25	12	-1	10	22	40	22
Kenya	424	544	175	111	-276	137	-76	-163	-128	-107	-169	251	340	31
Lesotho	10	47	59	50	44	44	33	34	26	24	44	15	32	41
Liberia	61	-13	0	20	-14	0	0	0	0	0	..	61	22	-1
Madagascar	333	150	77	91	51	66	93	217	45	61	..	171	153	100
Malawi	120	120	106	151	74	149	121	129	121	109	144	75	72	118
Mali	89	128	131	58	69	138	110	76	50	88	83	78	125	97
Mauritania	108	23	81	92	82	42	83	26	-7	-35	..	100	77	44
Mauritius	79	77	-1	22	83	255	32	691	-102	-100	..	37	58	106
Mozambique	..	73	168	153	176	196	222	221	181	246	..	300	281	183
Namibia	..	..	..	..	..	..	..	..	5	..	..	..	..	5
Niger	223	-31	56	44	36	-3	8	54	49	8	..	107	105	31
Nigeria	1,510	-76	-1,343	-35	-148	-486	-1,102	-525	-487	-421	..	1,015	203	-488
Rwanda	25	77	71	50	20	43	53	62	79	99	..	27	71	61
São Tomé and Príncipe	9	29	23	14	14	13	10	3	4	10	11	6	11	13
Senegal	171	33	225	100	7	4	66	124	50	-25	45	166	215	64
Seychelles	12	9	13	6	8	-7	2	2	9	23	18	7	7	7
Sierra Leone	50	14	41	95	47	40	31	33	35	11	69	25	14	39
Somalia	106	13	0	0	0	0	0	0	0	0	..	136	83	6
South Africa	..	..	..	..	1,524	1,478	-478	-105	-386	-698	..	..	..	223
Sudan	658	116	94	91	9	36	17	5	-1	-6	-5	495	164	48
Swaziland	21	-6	-10	-9	-4	3	8	8	3	-4	2	22	0	-3
Tanzania	318	162	222	139	158	131	63	166	120	165	104	290	183	149
Togo	78	47	35	11	34	19	77	25	48	16	..	88	30	37
Uganda	51	119	202	301	183	161	169	235	109	208	191	62	197	191
Zambia	388	102	136	99	109	110	80	108	-49	46	..	205	161	81
Zimbabwe	93	239	426	322	57	171	33	63	-165	86	..	164	44	141
NORTH AFRICA	4,953	384	1,214	267	1,407	1,376	781	-672	-2,310	-2,318	-2,328	5,088	3,328	-67
Algeria	869	-692	475	-446	1,447	1,466	947	-369	-1,541	-1,887	-1,753	1,435	808	-200
Egypt, Arab Republic	2,337	297	-105	180	122	-372	-437	-163	-452	-522	-788	2,162	1,483	-180
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	1,394	428	491	196	-293	-183	-202	-794	-148	-438	..	1,118	825	2
Tunisia	352	352	352	277	131	465	473	655	-170	529	213	373	212	311
ALL AFRICA	12,694	4,735	5,064	5,178	5,834	5,360	1,546	1,425	-2,589	-3,250	-2,619	11,251	8,999	2,482

## 5-12. Other capital flows

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB SAHARAN AFRICA</b>	1,228	-5,783	-5,571	-4,754	-6,930	-4,076	-5,551	-14,783	-1,921	-19,053	-20,546	1,163	-1,860	-8,095
excluding South Africa	2,767	-1,778	-3,664	-5,600	-3,862	-2,723	-6,676	-6,782	675	-3,147	-23,793	906	238	-5,166
excl S Africa & Nigeria	2,984	-2,568	-4,421	-3,079	-3,999	-3,314	-5,152	-6,005	41	-2,905	-2,912	1,501	815	-3,150
Angola	0	-7	193	-648	-640	201	-345	-321	670	-549	-634	0	342	-203
Benin	116	48	89	-109	-120	-46	-41	53	38	189	20	95	83	25
Botswana	125	50	162	180	-91	-157	-208	-5	-5	0	0	104	47	8
Burkina Faso	..	-190	-144	-24	-29	-44	-148	-274	-267	-395	4	83	46	-143
Burundi	-22	-4	-25	-22	34	-1	-55	-29	-16	-7	-9	-24	-27	-12
Cameroon	665	-336	-1,143	241	-345	-455	76	147	0	10	-1	475	-141	-185
Cape Verde	..	-1	5	-24	-40	-41	-22	-53	-116	-52	-65	4	-7	-37
Central African Republic	24	-67	-67	-10	-47	-75	-31	4	-19	-54	-30	5	-58	-38
Chad	-24	-40	-32	-48	-93	-59	-87	-91	-79	-6	-69	-27	-21	-54
Comoros	-11	28	11	26	12	-5	28	21	-3	1	25	-3	0	13
Congo, Democratic Rep. of	652	188	191	-159	-221	-512	-486	-70	..	..	..	175	-18	-144
Congo, Republic of	219	604	170	463	96	1,091	-1,019	463	1,630	-213	-633	317	389	351
Côte d'Ivoire	626	227	144	260	-173	-587	-125	3	445	-57	-21	355	680	6
Djibouti	..	..	..	..	..	2	-2	-33	..	-2	25	..	..	-2
Equatorial Guinea	..	-65	28	7	-8	6	-32	64	9	279	366	15	-63	52
Eritrea	..	..	-139	-43	-84	-133	-125	2	-164	-92	-101	..	..	-98
Ethiopia	-7	-981	-1,277	-856	58	-316	-642	-4,369	-148	-37	-73	-4	-148	-826
Gabon	-337	33	187	26	-245	-153	-217	-126	-128	-83	-51	-259	-169	-100
Gambia, The	..	-17	-10	1	-36	0	8	-55	-66	-52	-2	..	-27	-23
Ghana	-168	46	-157	-7	-18	-351	-589	406	-50	529	24	-20	-28	-15
Guinea	-8	-176	-115	-176	-84	-75	-66	-165	-133	-158	-111	6	28	-115
Guinea-Bissau	..	-60	-9	-66	-97	-67	-58	-52	10	-36	-17	-8	-21	-45
Kenya	482	-317	-38	53	121	199	392	487	570	380	246	128	259	205
Lesotho	..	400	484	-142	18	20	113	35	21	65	16	115	245	126
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	399	35	-140	-147	-21	-59	-7	-103	-156	-65	-145	68	210	-31
Malawi	62	77	-118	-77	-112	-131	34	99	-80	-119	-28	31	-9	-24
Mali	34	-138	-144	-106	-109	-169	-101	-102	-188	-111	-90	38	-109	-124
Mauritania	-5	-66	-75	27	-107	98	40	-16	8	-34	-82	15	-145	-22
Mauritius	74	-78	2	97	-4	-107	-196	90	88	-43	-164	14	-60	-30
Mozambique	-85	-498	-540	-551	-554	-316	-113	-322	-360	-544	22	-90	-325	-386
Namibia	..	-116	-147	-181	-147	-247	-138	-39	-1	-99	-118	..	..	-118
Niger	0	-37	-185	-125	-36	7	-35	-116	-23	-20	23	0	-115	-56
Nigeria	-217	790	757	-2,521	137	591	-1,524	-777	634	-242	-20,881	-783	-578	-2,016
Rwanda	1	8	-11	13	27	-46	-40	-62	-55	-55	-85	-14	49	-29
São Tomé and Príncipe	-22	-17	0	-1	-9	-15	-23	-22	-8	-11	-11	0	-2	-13
Senegal	-136	-276	-328	-266	-241	-286	-273	-88	-107	-93	-1	-134	-218	-202
Seychelles	0	-19	9	12	-8	30	26	8	27	7	-18	-5	-50	6
Sierra Leone	28	-32	-42	-53	-124	-15	45	-31	-23	-19	-5	31	-3	-29
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	-1,538	-4,005	-1,907	846	-3,068	-1,353	1,125	-8,001	-2,596	-15,907	3,247	300	-2,038	-2,930
Sudan	-71	351	252	394	501	591	615	272	204	65	-231	65	460	284
Swaziland	131	-129	53	-10	-64	6	-4	-6	61	1	55	31	-65	-13
Tanzania	..	19	-68	-14	-289	-279	-490	-711	-563	-797	-825	..	..	-367
Togo	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uganda	..	-352	-269	-361	-199	-429	-348	-432	-362	-256	-287	-27	-17	-297
Zambia	-123	-600	-895	-552	-295	-380	-331	-229	-439	-404	147	12	-124	-398
Zimbabwe	365	-63	-284	-101	-176	-6	-132	-235	-182	30	21	66	-54	-105
<b>NORTH AFRICA</b>	-573	-2,332	-2,097	561	2,523	-646	179	86	1,797	163	-3,397	152	472	-307
Algeria	201	-270	-1,340	-780	574	-180	-10	-40	0	-950	200	-19	221	-353
Egypt, Arab Republic	0	-1,221	-333	333	318	-525	237	-138	1,673	-411	-3,152	0	-595	-195
Libya	-481	..	..	..	..	..	..	..	..	..	..	161	1,348	-142
Morocco	-101	-636	-673	610	1,377	43	-144	268	240	1,293	-67	97	-457	201
Tunisia	-192	-206	249	398	255	16	96	-4	-117	231	-378	-22	-45	53
<b>ALL AFRICA</b>	655	-8,115	-7,608	-4,193	-4,407	-4,722	-5,372	-14,697	-124	-18,890	-23,944	1,242	-1,328	-8,402

Note: Includes all capital account flows, except changes in reserves, that are not included in the tables on foreign investment or long-term borrowing.

## 5-13. Use of reserves

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	-4 655	0	1 733	-2 369	-1 479	1 879	-7 164	-1 954	-177	4 760	-12 610	1 262	-1 397	-1 966
excluding South Africa	-3 840	-1 499	1 534	360	-2 424	-487	-5 976	-4 310	551	526	-5 665	1 074	-1 422	-1 838
excl S Africa & Nigeria	705	-1 212	-481	-365	-2 425	-88	-3 623	-1 249	436	-1 140	-1 706	638	-1 280	-1 144
Angola	0	0	-115	900	35	626	-1 520	183	321	-639	-631	33	-40	-76
Benin	19	-113	-92	-30	-75	18	-58	-14	-9	-181	16	10	-5	-59
Botswana	-91	-374	-405	-397	-135	-213	-548	-606	-192	100	146	-55	-416	-267
Burkina Faso	-11	-43	-61	-72	-119	-143	4	38	41	26	63	-13	-14	-24
Burundi	8	-26	-13	0	-48	-11	62	19	39	14	17	-1	-37	5
Cameroon	-162	-41	-112	-291	333	-13	-81	-142	39	-4	-242	-38	-108	-55
Cape Verde	0	10	-15	4	3	9	-22	3	8	-29	21	-1	-4	0
Central African Republic	-10	10	-4	-27	-72	-11	-20	18	41	-6	-11	-4	3	-7
Chad	5	8	33	32	-19	-58	13	14	20	33	8	-3	-9	7
Comoros	4	4	0	-14	-10	4	-9	4	3	-4	-10	0	-3	-3
Congo, Democratic Rep. of	-35	43	-1	14	17	39	-15	21	..	..	..	76	-60	15
Congo, Republic of	-59	45	27	5	-56	-6	-17	20	69	-51	-168	1	2	-12
Côte d'Ivoire	112	-50	235	-88	-794	-222	-39	-82	3	115	134	92	-75	-58
Djibouti	..	..	..	..	..	7	-1	12	..	-3	-5	..	..	2
Equatorial Guinea	13	-3	8	2	-1	-8	-4	-7	2	-29	-176	2	3	-20
Eritrea	..	..	-91	-109	-78	58	76	-113	179	20	25	..	..	-4
Ethiopia	40	-154	-46	-112	-256	-253	-104	-163	-134	40	225	27	2	-83
Gabon	-93	-67	222	79	-137	42	-83	-39	107	59	-39	-9	-180	9
Gambia, The	..	5	1	-6	5	-4	-13	-7	-10	-3	3	5	-4	-2
Ghana	96	-171	124	-41	-164	-211	14	-25	-100	94	-27	25	-44	-57
Guinea	-25	-18	-3	-49	34	-13	27	-47	5	42	44	-5	-12	-3
Guinea-Bissau	0	9	-5	9	6	1	-12	-25	-1	10	-6	5	-6	-3
Kenya	131	91	-75	-330	-103	133	-417	13	42	-31	-94	7	-194	-60
Lesotho	-41	-42	-50	120	-121	-108	-103	-84	-71	-51	48	-8	-1	-44
Liberia	41	..	0	-1	-3	..	..	..	..	..	..	27	-3	-1
Madagascar	-83	-17	-17	-20	8	-61	-134	-54	104	-46	-28	6	-44	-12
Malawi	17	-11	74	-13	3	-87	-110	63	-76	31	11	16	-1	-15
Mali	-9	-178	-89	-28	-87	-68	-128	3	61	56	19	-6	-38	-48
Mauritania	2	-28	3	-26	11	-131	-67	-61	-19	-23	4	9	32	-28
Mauritius	-25	-22	0	-8	43	75	73	-125	-103	32	41	24	-28	-3
Mozambique	32	-13	-40	46	-52	-60	-159	-115	-62	-68	-307	46	-17	-76
Namibia	..	12	7	-91	-75	-24	-23	-68	-56	-57	-16	..	..	-39
Niger	53	-4	10	-6	-21	9	11	29	1	22	-29	6	5	0
Nigeria	-4 545	-287	2 015	725	1	-399	-2 353	-3 061	115	1 666	-3 959	436	-142	-694
Rwanda	33	-66	41	31	-4	-35	-8	-29	7	7	-10	19	91	-1
São Tomé and Príncipe	12	0	0	0	0	-5	0	-8	3	-1	1	0	0	-1
Senegal	135	-16	-20	112	-240	-82	-55	-147	-61	-86	22	56	-5	-58
Seychelles	-8	-10	-4	-3	6	1	4	-6	2	-8	14	-1	-1	-1
Sierra Leone	32	1	-26	-17	7	18	20	-5	11	20	-23	19	-4	1
Somalia	18	..	..	..	..	..	..	..	..	..	..	5	-12	-51
South Africa	-815	1 499	199	-2 729	945	2 366	-1 188	2 356	-727	4 234	-6 945	188	25	-128
Sudan	177	-23	35	2	1	-23	-13	-23	-25	-36	-90	85	135	-22
Swaziland	-34	-14	-92	64	13	-30	-15	-25	-20	-24	-49	-8	-17	-19
Tanzania	66	-63	-102	123	-107	-46	-81	-208	-34	-143	-348	9	-2	-97
Togo	2	-15	86	125	11	-12	12	-35	19	..	..	-18	-21	21
Uganda	55	37	-2	-29	-90	-146	-73	-132	-134	-33	15	25	-10	-52
Zambia	162	-31	-76	-17	-77	1 210	-52	-33	211	-19	-109	152	-85	81
Zimbabwe	125	126	171	-207	-17	-255	43	739	205	-286	-163	46	-52	34
NORTH AFRICA	-7 615	-5 232	-4 953	-4 370	-3 944	865	-3 638	-6 982	1 164	2 139	-3 918	434	244	-2 690
Algeria	-1 341	-860	330	300	-1 122	740	-2 380	-4 180	1 090	2 350	-7 600	-39	337	-1 006
Egypt, Arab Republic	168	-3 843	-3 999	-4 312	-2 106	-754	-570	-1 912	135	2 117	3 025	421	161	-954
Libya	-6 407	150	-520	-35	..	..	..	..	..	..	..	73	-81	-391
Morocco	30	-782	-683	-284	-361	982	-292	-553	-247	-1 639	415	0	-117	-462
Tunisia	-65	103	-82	-39	-355	-103	-397	-336	187	-690	243	-20	-57	-126
ALL AFRICA	-12 270	-5 232	-3 220	-6 739	-5 423	2 745	-10 803	-8 936	988	6 898	-16 527	1 696	-1 153	-4 636

Note: Excludes IMF credit transactions, which appear in the table on long-term borrowing.



## 5-14. Import coverage ratio of reserves

	<i>Reserves in months of imports of goods and services</i>											<i>Annual Average</i>		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	4	6	7	8	8	7	8	8	8	9	7	3	5	8
excluding South Africa	5	7	9	10	10	9	9	10	10	11	8	3	6	9
excl. S Africa & Nigeria	3	9	10	11	11	9	10	11	11	11	9	3	7	10
Angola	..	..	..	..	..	1	1	1	0	1	2	..	..	1
Benin	0	4	4	4	6	4	5	5	5	7	5	1	0	4
Botswana	4	19	19	24	25	22	26	26	26	26	21	4	15	23
Burkina Faso	2	5	5	6	6	6	5	6	5	5	7	2	5	6
Burundi	6	5	6	7	9	9	11	9	5	4	8	5	3	7
Cameroon	1	0	0	0	0	0	0	0	0	0	0	1	1	0
Cape Verde	6	5	5	4	2	1	1	1	0	1	3	6	7	3
Central African Republic	2	4	3	4	9	9	11	8	6	10	11	2	3	7
Chad	2	3	2	1	2	3	4	3	3	2	2	1	2	3
Comoros	2	4	3	5	6	5	6	5	6	6	5	2	3	5
Congo, Democratic Rep. of	2	1	1	0	1	1	0	..	..	..	..	1	2	1
Congo, Republic of	1	0	0	0	0	0	1	0	0	0	..	0	0	0
Côte d'Ivoire	0	0	0	0	1	1	1	2	2	2	2	0	0	1
Djibouti	..	..	..	..	..	3	3	3	2	3	2	..	..	3
Equatorial Guinea	..	1	2	0	0	0	0	0	0	0	0	0	1	0
Eritrea	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Ethiopia	4	1	3	4	6	7	6	4	4	3	2	5	2	4
Gabon	1	2	0	0	1	1	1	1	0	0	1	1	1	1
Gambia, The	0	3	4	..	5	5	5	5	4	5	5	2	2	4
Ghana	3	4	3	3	4	4	4	..	1	2	1	3	5	3
Guinea	..	1	1	2	1	1	1	1	3	2	3	..	..	2
Guinea-Bissau	..	2	2	2	2	2	1	3	5	4	4	..	1	3
Kenya	2	1	0	2	3	1	3	2	2	3	2	2	2	2
Lesotho	1	2	2	3	5	5	5	6	6	6	7	1	1	4
Liberia	0	..	..	..	..	..	..	..	..	..	..	0	0	..
Madagascar	0	1	..	..	1	1	2	3	2	2	2	1	3	2
Malawi	1	3	1	1	1	2	4	2	4	4	5	2	2	3
Mali	1	5	4	5	3	4	5	5	5	4	3	1	1	4
Mauritania	4	1	1	1	1	2	2	4	4	5	6	3	1	3
Mauritius	2	6	5	4	4	4	4	3	2	3	4	2	3	4
Mozambique	..	3	3	2	2	2	3	5	6	4	5	1	2	3
Namibia	..	..	0	1	1	1	1	1	2	2	2	..	..	1
Niger	2	6	7	6	3	2	2	1	1	1	1	2	6	3
Nigeria	5	4	1	2	2	2	4	6	5	..	5	3	2	3
Rwanda	7	4	2	1	1	3	3	4	4	5	5	5	4	3
São Tomé and Príncipe	..	..	..	..	..	1	1	3	3	3	4	..	..	3
Senegal	0	0	0	0	1	2	2	3	3	2	3	0	0	1
Seychelles	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Sierra Leone	1	0	1	1	2	2	1	3	4	3	2	1	0	2
Somalia	1	..	..	..	..	..	..	..	..	..	..	2	0	..
South Africa	4	2	1	1	1	1	1	2	2	3	4	2	1	2
Sudan	0	0	0	0	0	1	0	0	0	1	0	0	0	0
Swaziland	3	2	3	3	3	3	2	3	3	3	4	3	3	3
Tanzania	0	1	2	1	2	1	2	3	3	4	5	1	0	2
Togo	1	6	5	4	3	3	2	2	2	2	3	3	6	3
Uganda	0	1	2	2	4	4	4	4	5	5	4	1	1	3
Zambia	1	1	..	1	2	1	2	2	1	0	1	1	1	1
Zimbabwe	8	1	2	3	3	3	3	1	1	2	1	3	2	2
NORTH AFRICA	..	..	7	8	8	8	9	9	8	7	8	..	..	8
Algeria	6	4	3	4	4	3	5	9	8	5	11	4	4	5
Egypt, Arab Republic	3	5	10	11	11	11	12	11	10	8	7	2	2	9
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	2	4	4	5	5	4	4	4	4	5	4	1	1	4
Tunisia	2	2	1	1	2	2	2	3	2	3	2	2	2	2
ALL AFRICA	4	5	7	8	8	8	8	9	8	8	7	3	4	7

Note: 2000 data are preliminary (see page 2). Based on total reserves, excluding gold, at year-end and on imports of all goods and services at current prices and exchange rates.

## 5-15. Export unit values

	Index 1995=100											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	122.9	97.3	99.8	90.7	91.8	100.2	101.6	97.5	84.2	85.7	97.6	6.0	3.6	-0.5
excluding South Africa	126.2	98.0	101.6	89.2	89.5	100.3	106.7	101.3	84.2	88.3	108.4	4.1	2.8	0.0
excl S Africa & Nigeria	115.7	97.0	92.9	86.1	88.7	100.4	102.2	97.1	87.6	85.6	93.8	2.4	1.4	-0.3
Angola	..	178.0	88.9	106.7	88.4	100.0	134.8	127.0	120.2	170.5	273.1	..	4.1	3.0
Benin	44.2	76.3	53.5	65.3	71.0	100.0	87.6	80.6	92.9	80.0	64.0	5.9	7.7	1.5
Botswana	..	91.1	93.3	92.8	94.3	100.0	93.7	79.4	66.1	56.8	58.4	..	12.4	-3.9
Burkina Faso	51.6	87.2	60.5	59.6	85.0	100.0	95.3	87.0	82.2	73.9	67.7	5.1	12.3	-0.8
Burundi	159.5	101.3	64.9	67.1	93.8	100.0	61.4	60.0	46.8	29.8	22.7	6.3	-0.9	-11.8
Cameroon	142.0	105.2	94.1	97.8	87.8	100.0	90.2	89.0	80.1	69.0	88.3	4.8	-3.4	-1.5
Cape Verde	62.3	82.7	89.8	85.1	90.0	100.0	98.4	94.2	93.4	93.7	83.3	7.1	11.8	1.7
Central African Republic	139.5	143.7	153.5	144.1	85.7	100.0	87.8	66.8	57.1	48.5	40.5	8.4	6.4	-12.9
Chad	92.3	91.2	88.2	77.1	73.3	100.0	110.2	98.8	105.1	95.0	80.7	-0.7	3.2	1.8
Comoros	135.7	135.2	144.4	120.8	95.4	100.0	86.9	71.5	72.9	95.7	..	..	12.8	-6.5
Congo, Democratic Rep. of	132.6	68.1	86.4	70.4	98.6	100.0	89.0	85.1	..	..	..	0.9	1.8	3.2
Congo, Republic of	130.7	107.6	103.4	69.6	83.9	100.0	111.5	94.1	66.1	88.6	120.3	9.7	-6.1	-0.1
Côte d'Ivoire	115.9	83.0	94.0	88.3	80.4	100.0	99.7	90.8	93.8	92.5	82.6	-1.1	-1.1	0.7
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	159.6	180.0	133.3	87.6	100.0	122.4	137.5	103.2	157.3	230.4	..	17.8	0.0
Eritrea	..	..	83.9	80.5	91.5	100.0	104.3	104.4	104.3	102.7	102.8	..	..	3.1
Ethiopia	..	49.1	76.3	86.1	69.1	100.0	87.4	82.5	93.5	85.0	73.9	..	2.0	2.0
Gabon	173.9	105.7	104.0	76.6	88.7	100.0	117.5	104.5	73.3	72.8	70.2	8.8	-4.5	-2.9
Gambia, The	81.3	89.2	94.7	96.9	95.9	100.0	100.4	100.0	97.0	94.5	89.9	3.4	15.8	0.6
Ghana	39.2	90.5	86.9	81.2	89.1	100.0	98.6	95.1	97.5	85.2	88.2	0.9	8.5	0.8
Guinea	..	100.6	99.0	98.1	113.3	100.0	92.8	94.2	83.4	77.2	81.0	..	0.6	-3.7
Guinea-Bissau	57.5	102.6	88.7	109.8	102.2	100.0	102.1	102.3	84.2	79.8	73.4	14.0	0.9	-3.8
Kenya	130.0	90.0	87.5	69.5	82.9	100.0	98.5	112.8	113.7	95.3	89.7	5.5	-1.8	1.6
Lesotho	105.8	81.0	94.4	93.1	93.7	100.0	91.7	94.5	91.3	71.9	67.9	1.9	5.9	-0.5
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	63.9	69.1	73.9	73.0	84.3	100.0	108.3	95.7	97.1	93.9	87.4	6.5	3.4	2.8
Malawi	87.1	122.4	102.7	86.5	82.3	100.0	104.9	110.0	89.0	92.8	89.2	3.8	1.4	-1.2
Mali	108.3	106.3	99.0	92.6	82.7	100.0	97.8	83.2	83.9	73.9	68.9	3.5	6.5	-3.3
Mauritania	71.4	110.1	120.5	127.8	94.6	100.0	96.9	100.8	89.2	78.8	80.6	1.7	7.5	-2.7
Mauritius	72.2	92.2	95.8	88.1	90.9	100.0	105.4	93.4	91.1	87.6	84.3	0.5	8.9	0.1
Mozambique	122.0	125.1	98.5	92.3	93.9	100.0	77.5	78.0	75.2	73.1	91.6	..	4.8	-4.2
Namibia	134.1	92.5	97.4	90.3	99.6	100.0	99.1	99.7	90.6	86.3	78.3	..	5.2	-1.7
Niger	158.9	105.0	110.5	77.0	88.7	100.0	88.2	80.6	84.0	81.8	71.3	12.0	6.0	-3.7
Nigeria	145.5	101.6	133.7	101.2	92.7	100.0	122.2	115.6	72.6	98.7	168.0	3.1	10.3	0.8
Rwanda	95.9	70.5	62.5	64.7	77.4	100.0	88.1	116.9	87.4	76.2	89.6	8.0	-8.3	3.6
São Tomé and Príncipe	..	90.8	85.3	94.4	110.0	100.0	127.0	130.5	103.6	102.6	89.4	..	-14.1	1.8
Senegal	84.0	91.0	101.3	89.0	92.3	100.0	101.2	93.6	91.5	81.0	67.8	2.5	6.8	-1.5
Seychelles	..	68.9	81.0	80.9	73.8	100.0	93.1	99.2	116.0	90.1	86.7	..	-5.3	3.3
Sierra Leone	73.0	51.5	55.4	55.8	64.8	100.0	68.8	75.4	60.1	64.8	61.6	11.7	2.1	2.5
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	116.8	96.3	96.9	93.0	95.7	100.0	93.1	91.4	84.2	81.4	81.6	9.1	5.0	-1.4
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	104.9	76.3	82.2	83.5	87.8	100.0	95.1	98.6	90.8	88.9	87.8	3.8	2.0	2.6
Tanzania	..	110.3	101.0	104.0	113.2	100.0	104.4	155.0	121.9	113.0	104.5	..	..	1.0
Togo	109.2	116.3	123.1	83.9	85.2	100.0	96.8	93.4	102.5	100.3	95.1	-1.9	5.9	-1.9
Uganda	..	68.2	59.6	56.7	66.2	100.0	83.8	73.9	73.3	58.1	50.4	..	-2.1	-3.0
Zambia	90.0	90.9	86.9	79.7	80.3	100.0	76.7	74.0	51.7	40.0	48.4	2.4	9.3	-6.2
Zimbabwe	161.6	120.4	102.7	97.4	97.0	100.0	110.1	107.6	81.0	67.0	71.1	0.3	3.9	-5.1
NORTH AFRICA	163.8	100.6	98.7	93.6	91.4	100.0	105.9	103.2	92.1	93.5	108.3	6.5	-5.8	0.8
Algeria	200.9	123.0	108.1	98.7	93.5	100.0	116.2	113.3	82.3	95.0	150.7	11.4	-9.6	-0.1
Egypt, Arab Republic	106.9	95.0	99.4	99.7	95.4	100.0	99.5	105.2	99.2	93.3	99.9	9.8	-7.5	1.9
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	96.2	89.8	90.9	84.9	85.4	100.0	103.9	95.3	94.3	93.2	87.4	1.8	5.8	0.5
Tunisia	91.3	84.4	90.7	84.6	88.8	100.0	103.4	94.2	93.0	92.2	83.7	5.3	1.6	1.3
ALL AFRICA	130.4	98.4	94.4	91.7	91.7	100.1	102.9	99.2	86.6	88.1	101.0	6.7	0.6	-0.1

Note: 2000 data are preliminary (see page 2).

## 5-16. Import unit values

	Index 1995=100										Average annual percentage growth			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	77.7	93.5	99.6	93.1	93.2	100.0	96.0	96.8	92.2	89.2	89.2	5.3	7.8	0.0
excluding South Africa	71.1	92.0	99.7	92.4	92.5	100.0	98.1	99.6	95.8	91.2	90.6	3.0	9.3	0.5
excl. S.Africa & Nigeria	91.1	96.4	96.0	92.1	92.9	100.0	102.7	100.1	97.1	91.1	90.0		3.9	0.3
Angola	..	192.4	91.7	120.1	89.6	100.0	132.3	128.7	186.2	134.5	127.5	..	1.4	3.2
Benin	54.3	86.2	66.7	84.4	93.6	100.0	99.3	90.4	87.3	92.0	78.1	6.3	11.7	0.8
Botswana	..	88.2	91.5	91.0	93.7	100.0	93.0	90.8	84.5	81.7	78.2	..	7.8	0.3
Burkina Faso	103.1	100.4	68.5	70.8	89.5	100.0	102.2	93.9	86.0	85.8	88.7	5.8	4.3	-0.4
Burundi	112.9	121.5	108.6	91.2	89.7	100.0	84.5	89.5	63.1	42.1	37.2	8.9	7.4	-9.5
Cameroon	153.0	92.9	132.1	119.5	94.1	100.0	98.8	92.7	87.3	88.4	80.1	6.9	-1.1	-2.8
Cape Verde	62.3	82.7	89.8	85.1	90.0	100.0	98.4	94.2	93.4	93.7	83.3	-0.5	11.8	1.7
Central African Republic	102.6	102.8	105.1	101.4	83.0	100.0	101.7	85.8	88.6	87.5	78.0	4.4	4.1	-3.5
Chad	78.6	77.3	80.0	76.8	87.7	100.0	110.2	98.9	120.6	114.5	101.0	2.2	5.8	4.8
Comoros	62.8	89.1	91.9	86.3	89.3	100.0	96.1	89.7	78.5	77.4	..	..	11.9	0.0
Congo, Democratic Rep. of	125.7	67.0	71.2	62.3	118.0	100.0	101.2	103.9	..	..	..	-2.6	-4.9	9.0
Congo, Republic of	109.4	123.3	127.0	82.5	120.6	100.0	95.0	93.0	92.8	92.6	83.6	5.8	7.4	-2.5
Côte d'Ivoire	100.7	94.0	101.5	94.9	82.5	100.0	106.7	97.2	100.5	97.5	85.8	4.4	6.3	0.0
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	173.3	177.3	156.1	87.7	100.0	122.4	137.3	103.1	73.9	85.5	..	12.9	-5.4
Eritrea	..	..	89.5	89.2	92.4	100.0	111.2	108.0	108.8	108.8	114.2	..	..	3.3
Ethiopia	..	54.9	54.7	79.5	82.5	100.0	105.2	102.1	96.4	92.7	91.1	..	-0.9	4.0
Gabon	71.2	92.7	96.4	73.9	93.0	100.0	99.3	88.8	88.8	86.9	87.5	1.3	10.7	0.1
Gambia, The	44.8	89.2	94.7	96.9	95.9	100.0	100.4	100.0	97.0	94.5	89.9	7.6	11.2	0.6
Ghana	20.4	94.1	96.7	97.4	98.9	100.0	100.0	95.4	84.5	83.5	93.7	2.0	11.9	-0.1
Guinea	..	77.4	95.7	102.8	101.9	100.0	106.9	96.9	94.2	90.1	92.8	..	5.8	0.5
Guinea-Bissau	47.0	82.9	87.1	79.3	84.3	100.0	102.6	102.7	94.1	88.8	81.4	8.1	13.0	1.1
Kenya	134.1	117.9	112.6	75.9	81.0	100.0	94.1	102.7	107.7	99.9	94.9	9.6	-0.6	-1.9
Lesotho	80.3	93.1	99.8	94.5	92.9	100.0	92.5	94.1	88.4	89.8	87.9	6.8	6.4	0.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	63.4	82.9	87.0	84.9	90.4	100.0	99.4	94.5	95.8	92.3	87.6	9.1	6.5	1.8
Malawi	56.3	82.1	84.5	80.0	96.4	100.0	98.6	98.7	91.2	91.9	94.9	6.4	8.7	2.3
Mali	102.9	92.5	96.3	93.4	90.5	100.0	97.2	85.7	83.1	87.3	78.1	1.7	4.9	-0.7
Mauritania	100.4	108.1	112.0	109.0	99.4	100.0	105.7	99.6	88.2	77.9	77.5	5.6	4.9	-2.8
Mauritius	73.0	86.2	89.6	86.8	91.5	100.0	104.5	92.5	85.9	86.9	87.6	6.1	5.5	0.7
Mozambique	77.0	106.4	105.3	103.5	86.9	100.0	100.2	102.9	97.9	97.5	100.8	..	8.4	-0.2
Namibia	89.1	90.8	96.8	93.7	93.4	100.0	90.7	89.6	78.5	77.6	74.0	..	3.7	-0.8
Niger	83.1	83.7	93.6	64.1	90.4	100.0	101.1	98.1	103.3	105.6	99.3	1.8	9.3	2.9
Nigeria	44.1	75.2	113.9	93.6	90.7	100.0	77.9	97.4	90.1	91.7	93.2	-3.4	31.6	1.8
Rwanda	175.5	90.5	95.0	88.7	94.9	100.0	102.9	94.4	85.4	90.0	93.6	5.9	6.4	-4.3
São Tomé and Príncipe	..	87.8	90.8	90.3	94.4	100.0	101.9	95.5	84.6	90.0	88.8	..	3.4	0.5
Senegal	84.1	95.3	97.4	91.9	87.3	100.0	100.1	91.9	86.1	82.4	75.0	3.8	5.6	-0.7
Seychelles	..	105.1	103.8	94.1	96.5	100.0	96.6	97.8	86.2	85.1	84.8	..	1.8	-1.8
Sierra Leone	100.2	86.9	93.7	94.1	94.4	100.0	96.4	105.6	84.2	83.8	85.1	9.3	-2.9	0.8
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	97.5	97.3	99.3	94.4	94.4	100.0	91.9	91.2	84.9	84.1	85.4	10.3	4.2	-1.2
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	111.1	76.3	82.2	83.5	87.8	100.0	95.1	98.6	90.8	88.9	87.8	4.3	2.0	2.6
Tanzania	..	97.0	101.0	101.6	103.0	100.0	106.4	152.3	169.9	150.0	141.0	..	..	5.4
Togo	91.2	92.0	96.3	92.0	89.1	100.0	103.6	93.7	89.3	87.4	91.0	0.2	7.0	0.1
Uganda	..	100.2	96.9	98.6	98.9	100.0	104.5	96.6	93.7	70.3	70.9	..	10.9	-3.5
Zambia	77.1	113.5	130.9	122.5	101.3	100.0	96.2	99.7	87.5	87.4	84.5	11.9	3.7	-1.7
Zimbabwe	184.6	118.7	99.4	96.8	96.3	100.0	109.7	108.3	80.8	66.8	75.4	5.7	3.7	-4.9
NORTH AFRICA	70.6	88.0	90.6	91.6	93.2	100.0	102.2	99.9	98.5	96.2	93.8	5.5	8.2	0.8
Algeria	69.1	88.6	90.0	97.3	94.7	100.0	100.5	93.2	94.7	92.9	87.9	5.6	10.3	-0.5
Egypt, Arab Republic	58.2	88.5	93.5	94.2	93.2	100.0	104.5	114.0	117.9	112.4	116.5	8.6	9.7	2.7
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	95.5	90.3	87.9	85.9	95.7	100.0	101.6	90.1	79.7	80.8	78.1	3.7	2.7	-1.1
Tunisia	75.0	82.8	90.0	85.3	88.0	100.0	100.5	94.4	94.0	92.5	83.8	5.1	4.4	1.7
ALL AFRICA	74.2	91.5	96.3	92.5	93.2	100.0	98.0	97.8	94.3	91.6	90.7	5.5	8.0	0.3

Note: 2000 data are preliminary (see page 2).

## 5-17. Terms of trade

	Index 1995=100										Average annual percentage growth			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	158.2	104.0	100.3	97.4	98.6	100.2	103.9	100.7	91.4	96.0	109.4	0.6	-3.8	-0.5
excluding South Africa	177.5	106.4	101.9	96.5	96.8	100.4	108.8	101.7	87.8	96.8	119.7	1.1	-6.0	-0.6
excl. S Africa & Nigeria	127.0	100.6	96.8	93.4	95.4	100.5	99.5	97.1	90.2	91.0	104.3	..	-2.4	-0.6
Angola	..	92.5	97.0	88.8	98.7	100.0	101.9	98.6	64.6	126.8	214.2	..	2.6	-0.2
Benin	81.4	88.5	80.1	77.3	75.9	100.0	88.2	89.2	106.4	86.9	82.0	-0.3	-3.6	0.7
Botswana	..	103.2	102.1	101.9	100.6	100.0	100.7	87.4	78.2	69.5	74.7	..	4.3	-4.1
Burkina Faso	50.0	86.8	88.4	84.2	95.0	100.0	93.2	92.7	95.6	86.1	76.4	-0.7	7.7	-0.4
Burundi	141.3	83.3	59.7	73.6	104.6	100.0	72.7	67.1	74.1	70.8	61.1	-2.4	-7.8	-2.6
Cameroon	92.8	113.3	71.2	81.8	93.2	100.0	91.4	96.1	91.8	78.0	110.3	-1.9	-2.4	1.3
Cape Verde	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	7.6	0.0	0.0
Central African Republic	136.0	139.8	146.0	142.1	103.3	100.0	86.4	77.9	64.4	55.4	51.9	3.9	2.1	-9.7
Chad	117.5	118.0	110.3	100.4	83.6	100.0	100.0	99.9	87.1	83.0	79.9	-2.8	-2.4	-2.8
Comoros	216.1	151.8	157.1	140.0	106.7	100.0	90.4	79.8	92.8	123.6	..	..	0.8	-6.5
Congo, Democratic Rep. of	105.5	101.7	121.4	113.0	83.5	100.0	87.9	81.9	..	..	..	3.6	7.0	-5.3
Congo, Republic of	119.5	87.3	81.4	84.4	69.6	100.0	117.4	101.2	71.3	95.7	144.0	3.7	-12.6	2.4
Côte d'Ivoire	115.1	88.3	92.6	93.1	97.5	100.0	93.4	93.4	93.3	94.9	96.3	-5.2	-7.0	0.7
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	92.1	101.6	85.4	100.0	100.0	100.0	100.2	100.2	213.0	269.6	..	4.3	5.6
Eritrea	..	..	93.8	90.3	98.9	100.0	93.8	96.7	95.9	94.4	90.0	..	..	-0.2
Ethiopia	..	89.5	139.4	108.3	83.8	100.0	83.1	80.8	97.0	91.7	81.1	..	2.9	-2.0
Gabon	244.0	114.0	107.9	103.7	95.4	100.0	118.4	117.7	82.5	83.7	80.2	7.5	-13.7	-2.9
Gambia, The	181.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-3.9	4.2	0.0
Ghana	191.9	96.2	89.9	83.4	90.1	100.0	98.6	99.7	115.3	102.1	94.2	-1.1	-3.0	0.9
Guinea	..	130.0	103.4	95.4	111.2	100.0	86.8	97.2	88.5	85.7	87.2	..	-5.0	-4.2
Guinea-Bissau	122.2	123.8	101.8	138.4	121.3	100.0	99.6	99.6	89.5	89.9	90.2	5.3	-10.7	-4.8
Kenya	96.9	76.3	77.7	91.5	102.4	100.0	104.6	109.8	105.6	95.4	94.5	-3.8	-1.2	3.5
Lesotho	131.8	87.0	94.5	98.5	100.9	100.0	99.1	100.5	103.4	80.1	77.3	-4.6	-0.4	-1.0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	100.8	83.3	84.9	85.9	93.2	100.0	109.0	101.3	101.3	101.7	99.7	-2.4	-2.9	1.0
Malawi	154.7	149.1	121.5	108.2	85.3	100.0	106.3	111.5	97.6	100.9	94.0	-2.4	-6.7	-3.4
Mali	105.3	115.0	102.8	99.1	91.4	100.0	100.7	97.1	101.0	84.7	88.2	1.8	1.5	-2.6
Mauritania	71.1	101.8	107.6	117.2	95.1	100.0	91.7	101.2	101.1	101.1	103.9	-3.6	2.5	0.1
Mauritius	98.8	106.9	107.0	101.5	99.4	100.0	100.8	100.9	106.0	100.8	96.1	-5.3	3.2	-0.7
Mozambique	158.4	117.5	93.6	89.2	108.0	100.0	77.3	75.8	76.8	75.0	90.9	..	-3.4	-4.0
Namibia	150.6	101.9	100.6	96.4	106.7	100.0	109.3	111.2	115.5	111.2	105.9	..	1.5	-0.8
Niger	191.1	125.5	118.1	120.1	98.1	100.0	87.2	82.1	81.3	77.5	71.9	10.1	-3.0	-6.5
Nigeria	329.7	135.1	117.3	108.2	102.3	100.0	156.7	118.7	80.5	107.6	180.3	6.7	-16.2	-1.1
Rwanda	54.7	77.8	65.7	73.0	81.6	100.0	85.6	123.9	102.3	84.6	95.7	2.0	-13.8	8.3
São Tomé and Príncipe	..	103.3	94.0	104.6	116.5	100.0	124.6	136.6	122.4	113.9	100.6	..	-16.9	1.3
Senegal	99.9	95.5	104.0	96.9	105.8	100.0	101.2	102.0	106.3	98.3	90.5	-1.2	1.1	-0.8
Seychelles	..	65.6	78.0	86.0	76.5	100.0	96.3	101.4	134.5	105.9	102.2	..	-7.0	5.3
Sierra Leone	72.8	59.3	59.1	59.3	68.7	100.0	71.4	71.4	71.4	77.3	72.3	2.1	5.1	1.7
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	119.8	99.0	97.6	98.5	101.3	100.0	101.4	100.2	99.1	96.8	95.6	-1.2	0.8	-0.2
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	94.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-0.5	0.0	0.0
Tanzania	..	113.7	100.0	102.4	110.0	100.0	98.1	101.7	71.8	75.3	74.1	..	..	-4.2
Togo	119.7	126.4	127.8	91.1	95.6	100.0	93.4	99.7	114.8	114.8	104.5	-2.1	-1.0	-2.0
Uganda	..	68.1	61.5	57.5	66.9	100.0	80.2	76.5	78.2	82.7	71.1	..	-11.7	0.5
Zambia	116.6	80.0	66.4	65.1	79.3	100.0	79.7	74.2	59.1	45.7	57.3	-8.5	5.4	-4.5
Zimbabwe	87.6	101.4	103.3	100.7	100.7	100.0	100.3	99.4	100.2	100.3	94.3	-5.1	0.1	-0.3
NORTH AFRICA	232.2	114.3	108.9	102.2	98.1	100.0	103.6	103.3	93.5	97.3	115.5	1.0	-12.9	0.0
Algeria	290.9	138.8	120.1	101.4	98.7	100.0	115.6	121.6	86.9	102.3	171.5	5.5	-18.1	0.3
Egypt, Arab Republic	183.9	107.3	106.3	105.9	102.4	100.0	95.2	92.2	84.1	83.0	85.7	1.0	-15.6	-0.8
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	100.8	99.5	103.4	98.8	89.3	100.0	102.2	105.8	118.3	115.3	111.9	-1.8	3.0	1.6
Tunisia	121.7	101.9	100.7	99.2	100.9	100.0	102.9	99.8	98.9	99.7	99.9	0.2	-2.7	-0.4
ALL AFRICA	175.9	107.5	103.2	99.1	98.4	100.1	105.0	101.4	91.8	96.3	111.3	1.1	-6.8	-0.4

Note: 2000 data are preliminary (see page 2).

## 5-18. Forest products exports

	Thousands of cubic meters											Average annual percentage growth		
	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	8,169	6,803	8,821	7,032	6,931	6,824	7,170	4,764	4,364	3,788	4,289	149.9	2.4	-9.3
excluding South Africa	7,413	5,283	6,044	5,855	5,794	5,632	5,478	4,339	3,960	3,300	3,748	149.8	-1.3	-8.2
excl. S. Africa & Nigeria	7,402	5,266	6,028	5,844	5,757	5,583	5,444	3,908	3,672	3,030	3,499	150.2	-1.1	-9.5
Angola	..	0	0	3	0	..	2	..	..	..	..	..	56.3	..
Benin	..	..	..	..	..	0	0	..	..	..	..	..	..	..
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cameroun	934	521	652	539	837	1,049	816	..	..	..	..	151.6	-4.7	..
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	177	74	80	113	67	37	36	..	..	..	..	150.6	-5.5	..
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	..	..	..	..	1	..	0	..	..	..	..	..	..	..
Congo, Democratic Rep. of	116	147	163	143	142	172	136	113	101	74	91	171.2	0.4	-9.3
Congo, Republic of	385	643	941	937	816	609	530	..	..	..	..	163.8	28.3	..
Côte d'Ivoire	3,394	1,175	1,138	1,084	1,127	967	878	..	..	..	..	150.4	-16.9	..
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	16	133	133	142	129	126	143	400	380	..	5	218.1	12.4	-24.1
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gabon	1,150	1,353	1,343	1,460	1,244	1,392	1,447	1,685	1,729	1,359	1,632	154.9	0.8	2.4
Gambia, The	..	..	..	..	..	0	0	..	..	..	..	..	..	..
Ghana	183	514	531	371	361	390	426	936	735	754	1,018	107.8	26.0	17.3
Guinea	..	8	8	8	13	15	17	45	45	45	45	112.1	-7.6	31.0
Guinea-Bissau	6	5	4	4	6	12	9	5	5	6	8	117.7	22.1	1.3
Kenya	33	4	4	3	4	3	0	82	94	95	27	138.6	-26.5	78.3
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	524	255	701	729	663	429	642	149	145	206	225	147.3	30.0	-20.0
Madagascar	0	2	1	2	3	26	6	6	10	8	4	111.7	21.2	10.2
Malawi	..	..	1	0	0	0	1	1	1	1	1	153.8	..	20.3
Mali	..	..	..	..	..	0	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Mauritius	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Mozambique	31	5	10	2	5	4	1	149	137	140	158	68.8	-3.8	115.9
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	11	17	16	11	37	49	34	431	288	269	248	143.7	-32.2	59.9
Rwanda	..	..	..	..	..	0	..	..	..	..	..	..	..	..
São Tomé and Príncipe	..	..	..	..	0	..	..	0	..	..	..	..	..	..
Senegal	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Seychelles	..	..	..	..	0	..	..	..	..	..	..	..	..	..
Sierra Leone	..	1	1	0	0	0	0	..	..	..	..	..	-8.8	..
Somalia	..	..	..	..	..	..	..	48	..	..	..	..	..	..
South Africa	756	1,520	2,777	1,177	1,137	1,191	1,692	425	405	488	541	150.9	24.9	-15.6
Sudan	..	..	..	..	..	0	..	..	..	..	..	..	..	..
Swaziland	421	355	293	285	254	254	254	241	239	299	270	163.6	-13.1	0.2
Tanzania	5	5	6	3	25	14	8	40	40	37	9	115.7	3.0	16.4
Togo	..	..	..	..	0	..	..	0	0	1	0	..	..	..
Uganda	0	..	..	..	..	..	..	9	11	7	7	45.4	..	..
Zambia	..	..	..	..	0	0	..	..	..	..	..	..	..	..
Zimbabwe	26	65	17	17	56	83	89	..	..	..	..	214.2	-14.1	..
NORTH AFRICA	88	94	117	95	95	77	105	78	84	71	60	160.0	6.1	-5.4
Algeria	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Egypt, Arab Republic	..	..	..	..	0	0	..	3	6	0	..	..	..	..
Libya	..	..	..	..	..	0	0	..	..	..	..	..	..	..
Morocco	74	85	102	88	84	70	98	43	48	50	39	169.1	6.3	-11.4
Tunisia	14	10	16	7	10	8	7	32	29	20	21	135.1	3.4	22.6
ALL AFRICA	8,258	6,897	8,938	7,127	7,026	6,901	7,275	4,842	4,448	3,849	4,349	150.0	2.5	-6.1

## 5-19. Petroleum exports

	Thousands of metric tons										Average annual percentage growth			
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	118,522	127,609	132,768	138,200	147,485	145,754	148,423	163,266	174,459	173,874	166,735	-4.5	4.7	3.7
excluding South Africa	118,522	127,609	132,768	138,122	147,182	145,558	148,339	163,264	174,118	173,218	165,310	-4.5	4.7	3.6
excl. S. Africa & Nigeria	21,791	50,466	52,600	55,116	54,988	56,300	61,022	66,727	70,555	72,612	74,638	3.8	9.0	4.9
Angola	6,334	22,198	23,255	25,706	23,497	25,315	28,654	31,441	33,410	35,108	35,171	-0.2	21.6	5.7
Benin	..	210	200	138	157	131	97	84	65	62	45	..	63.4	-14.3
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cameroon	3,407	7,166	6,456	6,097	6,091	5,278	5,014	5,354	5,532	6,200	5,503	81.5	-0.7	-2.7
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	859	1,158	1,125	1,027	1,019	1,141	1,138	1,133	1,136	1,138	1,052	0.3	-0.8	-0.6
Congo, Republic of	3,432	7,611	7,496	8,358	9,201	8,725	9,047	10,272	11,809	12,549	13,500	12.2	6.6	6.2
Côte d'Ivoire	122	..	..	..	..	..	..	767	748	472	472	..	-34.8	..
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	0	0	0	0	0	0	0	0	0	0	..	..	..	..
Gabon	7,637	12,123	14,068	13,790	15,023	15,710	17,072	17,676	17,855	17,083	15,980	-4.5	1.9	5.3
Gambia, The	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malawi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mozambique	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	96,731	77,143	80,168	83,006	92,194	89,258	87,317	96,537	103,563	100,606	90,672	-6.8	2.2	2.7
Rwanda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	78	303	196	84	2	841	656	1,425	..	..	34.4
Sudan	..	..	..	..	..	..	..	..	..	..	2,915	..	..	..
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Togo	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zimbabwe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
NORTH AFRICA	145,865	111,371	114,024	113,950	110,186	99,427	98,517	101,032	96,971	97,821	89,709	-0.4	-3.0	-3.1
Algeria	38,918	32,303	31,648	30,966	31,920	32,015	31,875	35,434	34,234	35,813	..	..	..	..
Egypt, Arab Republic	17,146	19,929	18,461	20,412	19,924	8,480	8,503	6,836	6,241	2,836	2,865	20.7	-2.8	-19.5
Libya	85,054	55,766	60,403	58,463	54,893	55,661	54,573	55,365	53,633	56,255	53,488	-6.4	-0.4	0.2
Morocco	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tunisia	4,747	3,373	3,512	4,109	3,449	3,271	3,566	3,397	2,863	2,927	3,356	-0.5	-3.9	-1.3
ALL AFRICA	264,387	238,980	246,792	252,150	257,671	245,181	246,940	264,298	271,430	271,705	226,444	-3.3	2.4	2.1

## 5-20. Copper exports

	Thousands of metric tons											Average annual percentage growth		
	1980	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	1,286	1,074	973	792	714	598	495	418	392	393	316	5.2	-3.1	-12.8
excluding South Africa	1,164	958	883	688	581	517	421	339	318	322	248	4.6	-3.4	-14.0
excl S Africa & Nigeria	1,164	958	883	688	581	517	421	339	318	322	248	4.6	-3.4	-14.0
Angola	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Benin	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Botswana	20	19	19	20	19	22	20	18	23	18	20	..	1.0	0.4
Burkina Faso	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Burundi	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Cameroon	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Cape Verde	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Central African Republic	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Chad	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Comoros	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Congo, Democratic Rep. of	461	439	374	252	116	28	14	5	0	..	..	16.8	-2.7	-55.3
Congo, Republic of	1	0	0	0	0	0	0	0	0	..	..	..	..	..
Côte d'Ivoire	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Djibouti	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Eritrea	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Ethiopia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Gabon	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Gambia, The	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Ghana	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Guinea	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Guinea-Bissau	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Kenya	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Lesotho	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Liberia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Madagascar	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Malawi	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Mali	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Mauritania	1	0	0	0	0	0	0	0	0	..	..	..	..	..
Mauritius	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Mozambique	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Namibia	41	33	30	34	35	30	26	25	18	..	..	1.9	-7.0	-6.8
Niger	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Nigeria	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Rwanda	0	0	0	0	0	0	0	0	0	0	0	..	..	..
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Senegal	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Seychelles	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Sierra Leone	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Somalia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
South Africa	121	115	90	104	132	81	74	79	74	71	68	13.2	-0.8	-5.7
Sudan	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Swaziland	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Tanzania	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Togo	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Uganda	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Zambia	617	456	460	382	412	437	361	292	276	304	228	-1.8	-3.4	-7.0
Zimbabwe	23	10	0	0	0	0	0	0	0	..	..	3.8	-16.6	..
NORTH AFRICA	6	12	16	16	17	13	19	16	16	0	0	..	-13.1	2.5
Algeria	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Egypt, Arab Republic	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Libya	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Morocco	6	12	16	16	17	13	19	16	16	..	..	..	-12.9	2.5
Tunisia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
ALL AFRICA	1,292	1,086	989	807	730	611	514	434	408	393	316	5.4	-3.3	-12.9

## 5-21. Iron exports

	Thousands of metric tons											Average annual percentage growth		
	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	28,215	20,447	22,981	24,956	21,057	17,509	15,778	18,986	19,465	21,397	19,345		-0.4	-1.3
excluding South Africa	17,482	14,903	15,734	15,780	9,988	7,474	6,114	6,276	6,722	7,196	7,000		-2.3	-8.7
excl. S Africa & Nigeria	17,482	14,903	15,734	15,780	9,988	7,474	6,114	6,276	6,722	7,196	7,000		-2.3	-8.7
Angola	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Benin	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Botswana	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Burkina Faso	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Burundi	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Cameroon	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Cape Verde	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Central African Republic	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Chad	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Comoros	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Congo, Democratic Rep. of	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Congo, Republic of	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Côte d'Ivoire	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Djibouti	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Eritrea	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Ethiopia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Gabon	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Gambia, The	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Ghana	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Guinea	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Guinea-Bissau	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Kenya	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Lesotho	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Liberia	11,695	9,052	9,231	8,540	2,607	670	853	0	0	0	0	..	-5.4	..
Madagascar	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Malawi	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Mali	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Mauritania	5,673	5,851	6,503	7,240	7,381	6,804	5,261	6,276	6,722	7,196	7,000	..	3.0	-0.3
Mauritius	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Mozambique	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Namibia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Niger	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Nigeria	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Rwanda	0	0	0	0	0	0	0	0	0	0	0	..	..	..
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Senegal	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Seychelles	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Sierra Leone	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Somalia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
South Africa	10,733	5,544	7,247	9,176	11,069	10,035	9,664	12,710	12,743	14,201	12,545	..	4.0	5.4
Sudan	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Swaziland	114	0	0	0	0	0	0	0	0	0	0	..	..	..
Tanzania	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Togo	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Uganda	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Zambia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Zimbabwe	0	0	0	0	0	0	0	0	0	0	0	..	..	..
NORTH AFRICA	784	6	48	62	47	50	55	58	42	21	4	..	-11.3	-24.3
Algeria	699	6	0	10	9	10	20	25	25	5	4	..	-41.9	-6.9
Egypt, Arab Republic	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Libya	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Morocco	85	0	48	52	38	40	35	33	17	16	0	..	..	-17.4
Tunisia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
ALL AFRICA	28,999	20,453	23,029	25,018	21,104	17,559	15,833	19,044	19,507	21,418	19,549		-0.6	-1.4



## 5-22. Phosphates exports

	Thousands of metric tons											Average annual percentage growth		
	1980	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	4,277	5,983	5,877	4,995	5,544	4,617	3,747	4,154	4,919	4,496	4,290	0.4	6.9	-3.1
excluding South Africa	4,274	4,715	4,783	3,778	4,378	3,272	2,550	2,881	3,511	3,522	2,990	-0.6	4.6	-4.3
excl S Africa & Nigeria	4,274	4,715	4,783	3,778	4,378	3,272	2,550	2,881	3,511	3,522	2,990	-0.6	4.6	-4.3
Angola	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Benin	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Botswana	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Burkina Faso	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Burundi	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Cameroon	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Cape Verde	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Central African Republic	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Chad	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Comoros	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Congo, Democratic Rep. of	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Congo, Republic of	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Côte d'Ivoire	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Djibouti	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Eritrea	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Ethiopia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Gabon	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Gambia, The	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Ghana	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Guinea	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Guinea-Bissau	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Kenya	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Lesotho	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Liberia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Madagascar	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Malawi	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Mali	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Mauritania	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Mauritius	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Mozambique	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Namibia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Niger	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Nigeria	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Rwanda	0	0	0	0	0	0	0	0	0	0	0	..	..	..
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Senegal	1,378	1,847	1,435	1,356	1,304	1,187	983	648	859	836	598	-3.9	4.4	-10.1
Seychelles	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Sierra Leone	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Somalia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
South Africa	4	1,268	1,094	1,217	1,166	1,344	1,197	1,273	1,408	974	1,300	39.6	20.6	0.6
Sudan	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Swaziland	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Tanzania	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Togo	2,896	2,868	3,347	2,422	3,074	2,086	1,567	2,234	2,652	2,686	2,392	1.9	4.5	-2.1
Uganda	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Zambia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Zimbabwe	0	0	0	0	0	0	0	0	0	0	0	..	..	..
<b>NORTH AFRICA</b>	18,932	16,560	14,700	13,297	10,537	11,068	10,096	11,523	11,466	12,422	13,390	-1.1	-2.3	-0.6
Algeria	768	877	970	735	804	800	449	575	671	993	474	5.6	8.5	-4.3
Egypt, Arab Republic	258	268	246	297	164	180	134	114	48	65	..	12.4	3.8	-21.0
Libya	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Morocco	16,457	14,260	12,407	11,672	9,143	9,132	8,398	9,527	9,420	10,141	11,669	-0.8	-3.1	-0.9
Tunisia	1,449	1,156	1,077	593	426	956	1,114	1,308	1,327	1,224	1,247	-6.9	-0.8	9.3
<b>ALL AFRICA</b>	23,210	22,543	20,576	18,292	16,080	15,684	13,843	15,678	16,385	16,918	17,680	-0.8	-0.2	-1.3

## 5-23. Cocoa exports

	Thousands of metric tons											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	869	1,352	1,369	1,190	1,469	1,271	1,340	1,995	1,633	1,749	1,975	0.4	5.3	4.0
excluding South Africa	869	1,349	1,364	1,180	1,456	1,260	1,332	1,985	1,623	1,740	1,967	0.4	5.3	4.0
excl. S Africa & Nigeria	718	1,196	1,203	1,069	1,296	1,113	1,193	1,803	1,469	1,605	1,759	1.1	5.2	4.3
Angola	..	..	..	..	..	..	..	..	..	..	..	-20.0	..	..
Benin	5	0	0	..	..	..	..	..	..	0	..	6.2	-63.8	..
Botswana	0	0	0	0	0	0	0	0	0	0	0	..	128.8	-15.0
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cameroon	105	119	98	68	112	82	120	142	110	122	121	0.1	3.8	2.4
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	0	..	..	..	..	..	..	..	..	..	..	-21.8	..	..
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	0	..	..	..	..	..	..	..	..	..	..	-14.3	..	..
Congo, Democratic Rep. of	4	5	4	3	3	6	2	3	3	3	2	-0.2	2.8	-6.7
Congo, Republic of	2	1	0	0	0	0	0	1	1	1	1	-5.1	-18.7	7.4
Côte d'Ivoire	332	767	793	724	872	744	795	1,138	1,028	1,103	1,277	9.1	5.4	5.0
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	7	6	6	5	3	3	3	6	4	6	3	-0.2	0.4	-4.1
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gabon	4	2	1	2	1	1	1	1	1	1	1	-4.2	2.6	-12.0
Gambia, The	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghana	218	270	265	243	278	252	253	478	288	333	321	-7.7	9.0	3.0
Guinea	4	2	2	2	4	4	3	6	7	8	4	4.3	-6.2	11.9
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	0	0	0	1	1	1	0	0	0	0	0	-8.2	46.3	19.8
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	4	3	2	0	0	0	0	1	1	2	2	9.1	-15.1	-7.1
Madagascar	2	3	4	3	4	3	2	2	1	1	1	5.8	7.6	-12.9
Malawi	..	..	..	..	..	..	..	..	..	..	..	-21.2	..	..
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	..	..	..	0	0	0	0	0	0	0	0	..	..	-5.5
Mozambique	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	0	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	151	154	161	111	161	148	139	182	155	135	208	-2.6	4.2	1.7
Rwanda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
São Tomé and Príncipe	7	3	5	4	4	3	3	4	3	5	4	-4.3	0.4	0.3
Senegal	0	0	0	0	0	0	0	0	0	0	0	65.7	-28.8	51.4
Seychelles	..	..	0	0	..	0	0	0	..	0	0	..	..	3.4
Sierra Leone	8	5	13	5	4	3	3	4	3	3	3	6.0	-4.6	-11.0
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	0	3	6	10	13	11	8	10	10	9	8	-8.5	34.0	11.3
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	..	..	..	..	..	..	..	..	6	8	7	..	..	..
Tanzania	1	3	2	2	2	2	3	3	3	3	2	9.0	9.7	2.6
Togo	15	8	6	6	5	6	4	11	10	6	8	-1.7	-11.9	1.7
Uganda	0	0	1	1	1	1	1	1	1	2	1	2.5	5.5	16.2
Zambia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zimbabwe	0	0	0	0	0	0	0	0	0	0	0	-14.6	-4.1	17.2
NORTH AFRICA	..	1	2	1	0	0	1	1	1	1	1	6.1	25.6	-2.7
Algeria	..	..	..	..	..	..	0	..	0	..	..	..	..	..
Egypt, Arab Republic	..	1	2	0	0	0	0	1	1	0	1	-22.9	81.9	-0.7
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	..	0	0	0	0	0	0	0	0	0	0	..	-17.2	0.0
Tunisia	..	0	0	0	0	0	0	0	0	0	0	..	17.4	-4.7
ALL AFRICA	869	1,353	1,372	1,191	1,469	1,272	1,341	1,996	1,634	1,750	1,976	0.4	5.3	4.0

## 5-24. Coffee exports

	Thousands of metric tons											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	819	1,032	828	847	830	751	788	949	937	841	791	-2.3	0.0	-0.9
excluding South Africa	818	1,030	827	846	830	750	787	948	933	835	789	-2.4	-0.1	-0.9
excl. S Africa & Nigeria	816	1,030	827	846	829	750	786	947	932	834	788	-2.4	-0.1	-0.9
Angola	47	5	5	5	2	0	2	3	3	3	3	-17.7	-19.0	-7.1
Benin	0	..	0	0	0	..	..	..	..	..	..	18.1	-21.6	..
Botswana	0	0	0	0	0	0	..	0	0	0	0	3.8	56.4	-23.1
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	19	34	41	40	23	29	29	13	32	22	24	3.0	-0.2	-4.8
Cameroon	92	158	113	104	67	54	63	74	59	53	69	0.0	4.4	-9.5
Cape Verde	..	..	..	..	0	..	..	..	0	..	..	..	..	..
Central African Republic	11	13	9	6	8	8	14	5	12	6	12	2.2	10.4	-5.2
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	0	..	..	..	..	..	..	..	..	..	..	-17.4	..	..
Congo, Democratic Rep. of	74	104	84	104	55	63	61	49	23	38	23	0.3	2.7	-14.0
Congo, Republic of	2	0	0	0	0	0	2	1	0	..	..	8.4	-28.7	17.2
Côte d'Ivoire	207	232	199	203	226	122	135	145	254	239	132	-2.6	-7.4	-0.2
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	0	0	0	0	0	0	0	0	0	..	..	-10.7	-18.2	-19.1
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	70	89	77	110	119	115	109	..	..	8.5
Gabon	1	0	0	0	0	0	0	0	..	0	0	26.9	12.9	-13.2
Gambia, The	..	..	..	..	..	..	0	..	..	..	..	..	..	..
Ghana	0	1	1	2	3	1	2	1	3	6	6	-21.1	12.5	23.0
Guinea	3	7	4	5	6	12	19	8	20	22	7	0.4	105.1	9.1
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	80	112	83	78	88	80	89	114	68	51	70	2.9	-2.7	-4.0
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	13	2	..	..	..	..	..	..	..	..	..	6.3	-10.9	..
Madagascar	69	48	41	50	51	37	35	40	26	30	13	-2.5	2.6	-10.0
Malawi	0	7	6	9	6	5	5	5	4	4	4	25.2	12.9	-3.7
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	0	0	..	0	..	..	..	..	0	..	0	..	..	..
Mozambique	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	0	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	2	0	0	0	1	0	1	1	1	1	1	-1.8	41.6	20.6
Rwanda	22	46	38	34	30	2	8	18	14	14	17	1.4	1.4	-11.9
São Tomé and Príncipe	0	..	0	..	0	0	0	0	0	0	0	-6.1	-41.0	32.0
Senegal	1	0	..	0	0	..	..	..	..	..	0	0.9	-2.6	..
Seychelles	..	..	..	..	..	0	..	..	..	..	..	..	..	..
Sierra Leone	10	8	6	4	3	4	5	2	3	3	1	-0.7	12.2	-13.1
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	0	1	1	1	0	0	1	1	4	6	2	24.9	26.1	18.7
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	..	..	..	..	..	..	..	..	0	0	0	..	..	..
Tanzania	43	61	52	51	59	37	48	62	47	45	38	0.8	-2.2	-2.4
Togo	9	14	9	19	13	9	13	5	19	10	19	-6.2	28.6	0.0
Uganda	110	141	127	119	114	194	169	279	210	163	230	-2.8	3.8	5.1
Zambia	..	1	0	1	1	0	1	2	2	2	3	..	59.2	16.4
Zimbabwe	3	35	9	10	4	4	10	11	12	8	7	13.2	-9.3	-3.3
NORTH AFRICA	..	2	0	0	0	0	0	0	0	0	0	-34.0	..	-25.4
Algeria	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Egypt, Arab Republic	..	1	0	0	0	0	0	0	..	0	0	..	..	-47.1
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	..	..	0	..	0	0	0	0	0	0	0	..	..	-4.2
Tunisia	..	0	0	0	0	0	0	0	0	0	0	..	..	11.5
ALL AFRICA	819	1,033	828	847	830	751	788	949	937	841	791	-2.4	0.0	-0.9

## 5-25. Cotton exports

	Thousands of metric tons											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	459	700	661	693	695	699	786	833	973	943	792	1.2	7.6	2.5
excluding South Africa	459	694	658	689	695	698	786	833	969	936	787	1.3	7.4	2.5
excl. S. Africa & Nigeria	459	691	657	688	691	696	784	811	937	927	778	1.3	7.4	2.3
Angola	..	..	..	..	..	..	..	..	..	..	..	-27.7	10.4	..
Benin	8	41	43	58	60	74	99	89	112	107	84	-0.6	13.3	9.6
Botswana	..	..	..	0	1	1	1	1	1	1	1	..	..	20.7
Burkina Faso	28	59	55	55	60	40	55	42	61	96	69	10.8	14.3	3.7
Burundi	1	0	..	..	2	2	1	0	..	..	..	-0.4	2.0	..
Cameroon	26	38	23	42	51	59	54	66	51	61	65	15.1	19.5	3.5
Cape Verde	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Central African Republic	14	9	13	6	8	5	12	15	9	15	10	-4.0	-12.8	4.4
Chad	35	57	65	85	40	32	62	50	72	68	37	-2.4	-0.4	-0.9
Comoros	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Congo, Democratic Rep. of	2	..	..	..	..	1	1	1	0	0	0	..	..	..
Congo, Republic of	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Côte d'Ivoire	39	89	97	67	96	100	88	75	86	117	122	14.7	15.3	2.2
Djibouti	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Equatorial Guinea	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Eritrea	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	0	0	8	1	0	1	5	..	..	43.8
Gabon	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Gambia, The	..	1	2	1	1	1	1	1	0	0	0	..	10.6	-17.5
Ghana	..	..	..	..	2	7	1	..	0	1	7	..	..	..
Guinea	..	2	1	4	10	6	7	5	4	5	9	..	..	18.6
Guinea-Bissau	..	0	1	0	1	1	1	1	1	1	1	..	25.4	7.2
Kenya	4	..	1	6	8	7	1	..	0	0	0	-18.6	-73.2	-47.6
Lesotho	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Liberia	0	0	0	0	..	..	..	..	..	..	..	..	..	..
Madagascar	1	0	3	..	..	1	1	1	0	..	0	22.2	-16.8	-6.9
Malawi	3	3	6	3	0	..	..	..	9	5	3	-20.5	-0.6	6.0
Mali	53	93	114	113	133	90	105	130	140	160	138	9.9	14.2	4.2
Mauritania	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Mauritius	..	..	0	..	0	..	..	0	..	..	0	..	..	..
Mozambique	6	6	6	11	13	16	13	16	16	17	10	-8.0	1.1	10.8
Namibia	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Niger	0	1	0	1	1	1	0	2	3	1	1	-12.4	80.4	0.8
Nigeria	..	3	1	0	3	3	2	22	32	9	9	..	..	36.2
Rwanda	0	0	0	0	0	0	0	..	..	..	..	..	..	..
São Tomé and Príncipe	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Senegal	6	5	12	16	20	15	9	11	15	14	5	2.1	-6.4	0.4
Seychelles	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Sierra Leone	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	0	6	3	5	0	0	0	0	4	7	5	-30.6	269.4	-7.9
Sudan	132	126	87	76	48	78	96	104	94	62	24	0.0	1.2	-9.7
Swaziland	4	19	10	6	7	4	3	4	2	0	0	4.8	40.8	-29.1
Tanzania	31	46	39	73	61	60	71	82	86	37	28	-3.9	17.8	-1.2
Togo	5	33	36	39	42	43	61	56	48	67	53	27.3	22.1	6.6
Uganda	2	4	8	8	8	4	6	10	19	1	10	-21.5	-25.3	5.6
Zambia	5	3	2	2	1	1	3	5	17	12	16	15.9	12.7	18.9
Zimbabwe	54	54	34	16	18	47	27	44	91	78	80	4.2	-0.2	7.5
NORTH AFRICA	167	41	16	16	20	114	68	23	42	67	112	0.1	-17.0	9.0
Algeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Egypt, Arab Republic	164	39	13	16	18	113	67	23	42	66	112	0.2	-18.9	10.4
Libya	0	0	0	0	0	0	0	..	..	..	..	..	..	..
Morocco	3	1	3	1	2	1	0	..	0	1	0	3.4	..	-25.6
Tunisia	..	..	..	..	..	0	0	..	..	0	0	..	..	..
ALL AFRICA	627	740	677	710	715	813	854	857	1,015	1,010	904	0.9	3.6	2.9

## 5-26. Groundnut exports

	Thousands of metric tons											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	605	574	342	336	276	397	280	390	392	403	229	-8.9	15.7	-4.7
excluding South Africa	660	535	309	312	249	337	244	351	334	372	203	-8.7	15.2	-4.9
excl S Africa & Nigeria	559	535	309	310	249	330	243	347	312	359	190	-8.2	15.1	-5.5
Angola	1	..	..	..	..	..	..	..	..	..	..	-4.9	..	..
Benin	2	..	0	..	..	..	..	..	..	..	..	-27.0	..	..
Botswana	0	0	..	0	0	0	0	0	0	0	0	-10.2	29.0	2.8
Burkina Faso	1	1	1	1	0	0	0	0	0	0	0	-43.9	152.2	-8.8
Burundi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cameroon	1	0	0	0	0	0	0	0	0	0	0	-39.5	15.8	17.9
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	..	..	..	1	1	0	1	1	1	..	..	..
Chad	..	..	..	0	1	2	..	1	0	0	0	..	..	13.7
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	0	..	..	..	..	..	..	..	..	..	..	-10.6	..	..
Côte d'Ivoire	0	..	..	..	..	..	1	0	1	1	1	-8.4	..	..
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	..	0	..	..	..	..	..	..	..
Gabon	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gambia, The	67	24	17	18	28	26	38	32	38	37	33	-7.7	-11.7	6.7
Ghana	2	..	..	..	..	..	..	0	0	0	0	..	..	..
Guinea	0	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea-Bissau	8	2	0	0	..	0	0	0	0	0	0	-4.4	-17.9	-14.2
Kenya	0	..	0	0	1	0	0	0	0	0	0	-24.6	23.1	14.5
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	4	0	1	0	0	0	0	0	1	0	0	-44.9	..	-1.3
Malawi	28	0	1	..	0	1	1	1	3	4	1	-17.8	23.7	22.8
Mali	15	12	10	11	12	17	16	15	15	12	12	-11.7	9.3	2.4
Mauritania	..	..	..	0	..	..	..	..	..	..	..	..	..	..
Mauritius	..	0	0	0	0	..	..	..	..	0	0	..	..	..
Mozambique	10	2	0	0	0	0	1	0	0	0	0	-8.5	22.4	-15.3
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	1	1	1	1	0	0	0	0	0	5	5	-38.0	182.2	-2.0
Nigeria	1	..	0	1	0	7	1	4	22	13	13	-37.9	..	73.1
Rwanda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	175	360	215	219	119	164	98	207	88	103	54	-9.1	21.2	-14.6
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	45	39	32	24	27	59	36	38	58	33	26	-12.5	23.7	-2.9
Sudan	238	109	39	51	84	110	82	84	156	167	71	-6.0	15.7	5.0
Swaziland	..	..	..	..	..	..	..	..	3	11	8	..	..	..
Tanzania	1	7	16	7	..	..	0	1	1	1	0	..	181.1	-23.1
Togo	..	..	0	..	..	0	0	2	0	0	0	-36.2	296.1	28.6
Uganda	..	0	0	0	1	0	0	0	0	0	0	..	..	-1.9
Zambia	0	0	5	1	0	0	0	0	0	0	0	-26.0	..	-7.7
Zimbabwe	3	16	3	1	3	7	3	1	5	15	2	-19.6	107.4	-3.7
NORTH AFRICA	13	7	5	5	21	16	15	10	19	23	13	-7.3	-19.9	16.9
Algeria	..	..	..	..	..	..	..	0	..	..	..	..	..	..
Egypt, Arab Republic	13	4	2	4	12	9	10	6	11	15	4	-7.3	-19.9	13.1
Libya	..	3	4	1	8	4	5	5	8	8	8	..	..	15.8
Morocco	..	0	0	0	0	..	..	..	0	..	..	..	..	..
Tunisia	..	0	..	..	0	3	0	..	..	..	..	..	..	..
ALL AFRICA	618	581	347	341	297	413	296	400	411	428	241	-8.9	15.5	-4.3

## 5-27. Oil palm products exports

	Thousands of metric tons											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	280	233	194	269	319	247	187	221	180	207	191	-12.2	9.5	-1.9
excluding South Africa	280	232	194	267	317	244	187	220	179	205	189	-12.2	9.4	-2.0
excl S Africa & Nigeria	184	223	186	204	315	237	175	203	169	194	179	-9.3	6.3	-0.9
Angola	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Benin	13	6	1	2	3	7	9	8	13	17	15	-12.5	8.9	22.6
Botswana	..	..	0	0	..	..	0	..	..	..	..	..	..	..
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	1	1	0	0	0	..	..	..
Cameroon	21	28	10	27	27	30	8	41	13	15	15	-7.7	12.3	-4.9
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	..	..	..	..	0	0	0	0	0	..	..	..
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	10	4	1	1	1	3	1	1	1	1	..	-23.7	-21.9	-17.6
Congo, Republic of	0	..	..	..	..	..	..	..	..	..	..	-17.6	..	..
Côte d'Ivoire	99	166	158	186	207	153	121	103	76	103	106	-7.9	9.5	-3.9
Djibouti	..	..	0	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gabon	..	4	2	5	1	..	3	6	9	3	6	..	9.6	4.2
Gambia, The	1	..	..	..	..	..	..	..	..	..	..	-19.8	..	..
Ghana	..	7	3	8	9	11	12	21	19	10	11	..	39.0	10.7
Guinea	15	1	1	1	7	1	0	4	4	1	1	-3.6	1.5	1.0
Guinea-Bissau	6	2	5	3	2	3	1	3	1	2	2	2.0	5.1	-7.6
Kenya	0	..	1	25	53	14	13	10	26	31	12	-52.7	..	43.8
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	6	5	4	5	5	5	5	5	5	6	6	24.9	12.7	-0.6
Madagascar	..	..	..	0	0	0	0	0	0	0	0	..	..	44.3
Malawi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	..	..	0	0	0	0	0	0	0	0	..	..	..	29.1
Mozambique	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	0	0	..	..	..
Nigeria	96	9	8	3	2	6	11	17	10	11	11	-16.9	17.5	-2.0
Rwanda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
São Tomé and Príncipe	0	..	..	..	..	..	..	..	..	..	..	-19.1	..	..
Senegal	0	..	..	..	0	0	0	0	2	2	2	-55.4	18.6	62.6
Seychelles	..	0	0	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	1	0	0	0	..	11	0	0	0	0	0	-11.4	-48.9	-15.4
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	0	1	2	2	3	0	1	1	3	1	..	..	43.1
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	..	..	..	..	..	..	..	..	..	0	..	..	..	..
Tanzania	1	..	0	..	..	..	..	..	1	0	0	..	..	..
Togo	10	0	0	2	0	0	..	..	..	..	..	-13.6	-15.9	..
Uganda	..	..	..	..	..	..	..	..	..	3	2	..	..	..
Zambia	..	..	..	0	..	..	..	..	..	..	..	..	..	..
Zimbabwe	..	0	0	0	..	..	..	..	..	..	..	..	..	..
NORTH AFRICA	..	0	0	..	0	0	0	0	0	0	0	..	..	-12.9
Algeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Egypt, Arab Republic	..	..	0	..	0	0	0	0	0	0	0	..	..	-15.1
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	..	0	..	..	..	..	0	..	..	0	0	..	..	..
Tunisia	..	..	..	..	..	..	..	0	0	0	..	..	..	..
ALL AFRICA	280	233	195	269	319	247	187	221	181	207	191	-12.2	9.5	-1.9

## 5-28. Sisal exports

	Thousands of metric tons											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	109	50	42	44	42	41	47	36	38	32	37	-9.6	-8.7	-3.4
excluding South Africa	109	50	42	43	42	41	47	36	38	32	37	-9.7	-8.7	-3.4
excl. S Africa & Nigeria	109	50	42	43	42	41	47	36	38	32	37	-9.7	-8.7	-3.4
Angola	3	..	..	..	..	..	..	..	..	..	..	-30.8	..	..
Benin	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Botswana	..	..	..	..	..	..	0	..	..	..	..	..	..	..
Burkina Faso	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Burundi	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Cameroon	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Cape Verde	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Central African Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chad	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Côte d'Ivoire	..	..	..	..	..	0	0	0	0	0	0	..	..	..
Djibouti	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Equatorial Guinea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Eritrea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Ethiopia	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Gabon	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Gambia, The	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Ghana	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Guinea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Guinea-Bissau	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Kenya	40	30	28	32	27	26	25	17	19	18	17	-1.3	-4.8	-7.0
Lesotho	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Liberia	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Madagascar	10	12	10	7	9	8	10	10	4	3	5	-5.9	-8.1	-9.0
Malawi	..	..	..	..	0	..	..	..	..	..	..	..	..	..
Mali	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Mauritania	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Mauritius	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Mozambique	7	..	0	0	0	0	0	0	0	0	0	-14.5	1.7	-11.4
Namibia	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Niger	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Nigeria	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Rwanda	0	0	0	0	0	0	0	0	0	..	..	..	..	..
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Senegal	0	..	..	..	..	..	..	..	..	..	..	38.6	..	..
Seychelles	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Sierra Leone	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	0	0	0	0	0	0	0	0	0	0	0	-4.4	-7.3	-24.5
Sudan	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Swaziland	..	..	..	..	..	..	..	..	0	..	..	..	..	..
Tanzania	48	8	5	4	5	7	11	9	15	12	15	-12.1	-16.9	10.0
Togo	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Uganda	..	..	..	..	..	..	..	..	..	0	..	..	..	..
Zambia	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Zimbabwe	0	0	0	0	0	0	0	0	0	..	..	..	..	..
NORTH AFRICA	0	0	0	0	0	0	0	0	0	0	0	..	..	24.4
Algeria	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Egypt, Arab Republic	..	..	..	..	..	0	0	..	..	0	0	..	..	..
Libya	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Morocco	..	..	..	0	0	0	0	0	0	0	0	..	..	43.3
Tunisia	..	..	0	..	0	..	0	0	0	0	0	..	..	-8.5
ALL AFRICA	109	50	42	44	42	41	47	36	38	32	37	-9.6	-8.7	-3.4

## 5-29. Tea exports

	Thousands of metric tons											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	182	267	277	271	298	274	347	354	312	380	359	3.8	4.0	3.8
excluding South Africa	180	266	275	270	297	273	346	353	311	377	354	3.7	4.8	3.7
excl. S. Africa & Nigeria	180	266	275	270	297	273	346	353	311	377	354	3.7	4.8	3.7
Angola	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Benin	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Botswana	0	0	0	0	0	0	0	0	0	0	0	21.8	-48.8	27.5
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	-6.7	..	..
Burundi	1	4	5	6	5	7	7	4	6	6	6	12.3	2.6	4.0
Cameroon	1	3	0	..	0	..	0	0	..	..	..	23.2	-32.4	..
Cape Verde	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Central African Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Congo, Democratic Rep. of	1	3	2	1	2	2	1	2	1	1	1	-8.5	-4.9	-7.0
Congo, Republic of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Côte d'Ivoire	0	..	..	..	..	..	0	0	0	0	0	..	..	..
Djibouti	..	..	0	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Eritrea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Ethiopia	..	..	..	..	..	0	0	0	0	0	0	..	..	..
Gabon	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Gambia, The	..	..	..	..	..	..	0	0	0	0	0	..	..	..
Ghana	..	..	..	..	..	..	0	..	..	0	0	..	..	..
Guinea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Guinea-Bissau	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Kenya	84	166	176	172	199	177	259	261	199	264	246	6.7	8.4	4.9
Lesotho	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Liberia	..	..	..	..	0	0	..	..	..	..	..	..	..	..
Madagascar	0	0	0	0	0	0	0	0	0	0	0	..	-54.8	42.4
Malawi	31	41	37	37	35	35	32	32	40	41	30	3.8	-0.2	-1.3
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Mauritius	4	4	4	5	4	4	3	1	0	0	0	8.2	-7.0	-33.8
Mozambique	30	1	1	1	0	0	0	0	0	0	0	-0.2	-48.5	-8.1
Namibia	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	0	0	..	..	..
Nigeria	..	0	0	0	..	..	0	0	0	0	0	..	..	16.7
Rwanda	7	12	13	13	12	5	3	3	10	12	10	8.5	8.0	-5.8
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Senegal	0	1	..	..	..	..	..	..	..	..	0	-8.6	281.6	..
Seychelles	0	..	0	..	0	0	0	0	0	0	0	-7.6	..	-1.9
Sierra Leone	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Somalia	0	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	2	1	1	1	1	1	1	1	1	3	5	44.8	13.6	11.0
Sudan	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Swaziland	..	..	..	..	..	..	..	..	0	0	0	..	..	..
Tanzania	13	15	18	20	20	22	22	22	22	22	21	2.6	1.2	5.0
Togo	..	0	0	..	..	0	..	..	..	..	..	..	..	..
Uganda	1	5	7	8	10	11	11	15	18	19	22	-28.0	11.3	19.3
Zambia	..	0	0	0	..	..	0	0	0	0	0	..	..	28.0
Zimbabwe	6	12	11	6	8	10	9	12	13	11	16	10.5	5.4	2.5
NORTH AFRICA	..	0	0	0	0	0	0	0	0	0	0	..	87.0	16.1
Algeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Egypt, Arab Republic	..	0	0	0	0	0	0	0	0	0	0	..	..	29.6
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	..	0	0	0	0	0	0	0	0	0	0	..	..	48.0
Tunisia	..	..	..	..	..	0	0	0	0	0	0	..	..	-34.2
ALL AFRICA	182	267	277	271	298	274	348	354	312	380	359	3.8	4.9	3.8



## 5-30. Sugar exports

	Thousands of metric tons											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	2,148	2,441	2,068	1,627	1,259	1,741	1,604	2,356	2,614	2,760	2,476	0.8	2.6	1.9
excluding South Africa	1,362	1,469	1,356	1,343	1,118	1,422	1,215	1,523	1,610	1,527	1,338	3.1	0.5	0.7
excl S Africa & Nigeria	1,362	1,469	1,356	1,343	1,118	1,422	1,215	1,523	1,610	1,527	1,338	3.1	0.3	0.7
Angola	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	0	0	0	0	0	0	0	1	1	1	1	-14.0	65.9	33.4
Burkina Faso	2	..	..	..	..	..	..	..	..	..	..	91.6	..	..
Burundi	..	0	0	10	..	0	0	4	0	1	2	..	..	27.3
Cameroon	9	0	2	..	1	0	1	7	1	1	1	42.1	-24.4	3.7
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	0	..	..	0	0	0	0	0	0	..	..	-5.5
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	0	26	23	29	18	11	14	7	37	21	25	-1.3	-14.0	0.3
Côte d'Ivoire	11	23	40	23	39	33	12	29	31	6	18	142.4	-18.9	-6.3
Djibouti	..	..	0	..	..	..	..	..	..	10	10	..	..	..
Equatorial Guinea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Eritrea	..	..	..	..	..	0	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	15	5	..	..	..	..	..	..	..	..
Gabon	2	..	8	7	0	..	..	..	..	..	..	9.3	..	..
Gambia, The	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghana	..	..	..	..	..	..	..	1	0	0	2	..	..	..
Guinea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	56	0	0	104	50	112	13	52	31	2	5	19.0	-15.5	61.9
Lesotho	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Liberia	0	..	..	..	..	..	..	..	..	..	..	8.1	..	..
Madagascar	26	47	21	17	11	24	15	7	1	1	7	-1.1	19.9	-29.6
Malawi	92	62	51	22	26	34	66	55	30	72	30	13.9	-5.4	-1.0
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Mauritius	618	578	551	598	535	519	524	773	575	602	534	-0.7	4.4	-0.1
Mozambique	64	18	25	52	..	52	54	25	59	20	..	-12.8	-8.1	8.3
Namibia	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Niger	..	1	..	..	..	..	..	..	..	1	1	..	..	..
Nigeria	..	0	0	0	0	..	0	0	0	0	0	..	..	3.6
Rwanda	0	0	0	0	0	0	0	0	0	..	..	..	..	..
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Senegal	0	3	0	0	0	0	0	..	0	0	0	-34.3	244.7	-19.9
Seychelles	..	..	..	..	..	0	..	..	..	0	0	..	..	..
Sierra Leone	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Somalia	0	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	786	971	712	284	141	318	390	833	1,005	1,233	1,138	-2.7	6.2	5.0
Sudan	..	65	49	54	39	136	20	49	80	127	76	..	..	5.5
Swaziland	300	425	492	379	363	279	275	241	466	345	395	9.2	1.5	-2.2
Tanzania	13	22	..	11	11	11	11	12	13	22	12	33.4	0.9	0.5
Togo	..	..	0	0	0	..	0	0	0	0	0	..	..	-1.0
Uganda	..	..	..	..	..	..	..	..	..	1	5	..	..	..
Zambia	..	2	4	26	11	7	50	69	63	87	50	60.8	-21.0	47.4
Zimbabwe	169	197	89	12	0	201	160	192	219	207	165	3.9	-7.3	14.0
NORTH AFRICA	23	6	25	1	1	7	6	4	1	2	0	-29.0	53.1	-23.8
Algeria	..	..	13	..	..	..	..	0	..	..	..	..	..	..
Egypt, Arab Republic	10	2	8	1	1	7	6	4	0	2	0	-12.4	134.0	-26.8
Libya	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Morocco	..	0	0	0	0	0	..	0	0	0	..	..	-17.5	39.7
Tunisia	13	3	4	0	0	0	0	..	0	0	0	-28.6	-44.5	-11.2
ALL AFRICA	2,171	2,446	2,093	1,628	1,260	1,748	1,610	2,360	2,615	2,762	2,477	0.4	2.7	1.9

## 5-31. Tobacco exports

	Hundreds of metric tons											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	1,777	2,259	2,494	2,817	3,164	4,414	3,116	3,669	3,364	3,823	3,089	3.0	0.4	5.8
excluding South Africa	1,705	2,179	2,404	2,736	3,070	4,244	3,004	3,581	3,243	3,678	2,930	3.2	0.2	5.8
excl S Africa & Nigeria	1,705	2,178	2,403	2,731	3,068	4,241	3,003	3,573	3,240	3,677	2,928	3.2	0.2	5.8
Angola	16	..	..	..	..	..	..	..	..	..	..	-4.7	..	..
Benin	0	..	..	..	..	..	..	..	..	..	..	-36.9	..	..
Botswana	1	0	0	0	0	0	0	1	1	1	1	32.5	-1.9	21.7
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	7	11	11	10	4	0	2	0	1	0	..	89.6	-43.2
Cameroon	21	8	7	7	6	1	3	..	1	1	2	-7.9	-11.6	-19.5
Cape Verde	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Central African Republic	8	0	1	1	1	1	2	1	1	1	1	-8.6	-2.0	4.3
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	1	..	..	..	..	..	..	..	..	..	..	-23.6	-46.4	..
Côte d'Ivoire	0	1	..	0	..	..	2	2	1	1	1	-2.6	..	10.4
Djibouti	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Equatorial Guinea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Eritrea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Ethiopia	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Gabon	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Gambia, The	..	..	..	..	..	..	1	1	1	1	1	..	..	..
Ghana	..	3	3	2	3	5	2	7	4	2	3	-33.6	-12.6	5.6
Guinea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	0	0	19	48	56	29	30	76	51	50	44	9.8	31.8	35.0
Lesotho	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Liberia	0	..	..	..	..	..	..	..	..	..	..	3.3	..	..
Madagascar	1	..	0	0	0	0	4	4	1	..	0	-11.2	-6.9	-0.1
Malawi	611	874	982	973	957	983	980	1,121	1,168	1,296	930	8.4	-3.3	4.7
Mali	..	..	..	0	..	..	..	..	..	..	..	-53.9	..	..
Mauritania	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Mauritius	..	..	..	..	..	0	0	..	..	..	..	..	..	..
Mozambique	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Namibia	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Niger	3	9	..	..	..	..	..	..	..	4	4	39.9	..	..
Nigeria	..	1	1	5	2	4	2	9	3	2	2	..	..	14.9
Rwanda	0	0	0	0	0	0	0	0	0	..	..	..	..	..
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Senegal	..	3	0	0	1	1	1	1	2	2	4	..	..	8.6
Seychelles	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Sierra Leone	..	1	2	7	2	2	2	2	2	2	1	..	23.3	-1.8
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	72	80	90	81	94	169	112	88	121	145	159	-1.8	7.0	5.8
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	2	0	0	0	1	1	1	1	0	0	0	-17.4	-22.6	-25.9
Tanzania	83	71	80	127	106	154	171	249	279	264	214	-7.4	6.4	16.0
Togo	..	..	..	..	..	..	..	..	..	..	..	4.7	..	..
Uganda	3	23	25	23	41	41	35	31	48	72	47	-8.6	-20.7	18.1
Zambia	26	20	13	25	41	30	9	34	31	38	36	-13.6	0.0	10.0
Zimbabwe	930	1,158	1,261	1,505	1,843	2,989	1,760	2,042	1,650	1,941	1,639	3.9	2.3	5.3
NORTH AFRICA	15	10	11	7	7	9	12	4	6	5	3	6.5	-7.2	-8.5
Algeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Egypt, Arab Republic	..	1	..	0	0	0	..	0	..	..	..	..	..	..
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	..	..	..	3	3	1	0	..	..	0	..	..	..	..
Tunisia	15	9	11	4	4	8	12	4	6	5	3	26.9	-5.4	-5.5
ALL AFRICA	1,792	2,269	2,505	2,825	3,171	4,423	3,128	3,674	3,371	3,828	3,092	3.0	0.4	5.7

## 5-32. Meat exports

	Hundreds of metric tons											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	1,436	730	839	928	1,281	1,153	1,417	1,320	1,046	1,158	833	-6.8	-8.8	3.8
excluding South Africa	895	648	754	837	1,133	1,068	1,113	978	905	965	641	-7.2	-8.8	2.2
excl S Africa & Nigeria	895	647	754	836	1,133	1,068	1,113	978	905	965	641	-7.2	-8.8	2.2
Angola	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Benin	..	..	..	0	..	..	..	..	..	..	..	..	..	..
Botswana	249	209	256	240	279	250	241	201	228	217	168	-0.8	-8.6	-2.2
Burkina Faso	3	..	..	..	..	..	..	..	..	..	..	-4.6	-52.2	..
Burundi	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Cameroon	0	0	..	..	..	0	..	0	..	..	..	-53.6	-61.3	..
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	20	..	..	..	..	..	..	..	..	..	..	-19.8	..	..
Chad	..	4	2	2	2	2	2	2	2	2	2	-37.5	14.5	-1.9
Comoros	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	0	..	..	..	0	1	0	0	0	0	0	..	..	10.0
Côte d'Ivoire	2	..	..	..	..	0	0	0	0	0	0	11.9	..	..
Djibouti	..	..	0	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Eritrea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Ethiopia	..	..	..	..	0	2	6	6	6	6	6	..	..	42.4
Gabon	..	..	..	..	..	0	0	0	0	0	0	..	..	..
Gambia, The	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghana	..	..	..	..	..	..	..	0	..	0	..	..	..	..
Guinea	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	16	20	28	6	10	11	8	11	12	12	12	-11.6	-54.6	0.7
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	0	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	72	1	5	17	22	30	49	24	8	1	0	-16.0	-61.1	-5.5
Malawi	..	..	..	..	..	0	..	..	0	0	0	..	-61.0	..
Mali	0	..	..	..	..	..	..	..	..	..	..	-24.4	..	..
Mauritania	..	..	..	..	..	0	..	..	..	..	..	..	..	..
Mauritius	0	6	4	16	32	65	69	45	52	32	11	13.7	44.6	19.2
Mozambique	..	..	..	..	..	..	..	..	..	..	..	9.6	..	..
Namibia	306	286	350	360	438	459	425	391	265	372	132	5.1	5.8	-3.6
Niger	0	0	..	..	..	..	..	..	..	0	0	-20.1	..	..
Nigeria	..	0	..	1	0	..	..	..	..	..	..	..	..	..
Rwanda	0	0	0	0	0	0	0	0	0	..	..	..	..	..
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	..	..	..	..	..
Senegal	3	1	0	1	1	1	0	0	1	1	1	3.1	-18.2	-6.1
Seychelles	..	..	..	..	..	..	..	0	0	..	..	..	..	..
Sierra Leone	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Somalia	10	..	..	..	..	..	..	..	..	..	..	-40.8	..	..
South Africa	542	82	85	91	148	84	304	342	141	193	192	-7.0	-9.2	13.3
Sudan	0	..	..	7	61	40	65	134	169	134	78	-12.0	..	36.8
Swaziland	35	10	15	4	10	10	9	10	16	21	22	-5.1	-53.1	23.7
Tanzania	2	43	..	..	..	..	..	..	1	1	1	-37.0	..	..
Togo	..	..	0	0	..	..	0	0	0	0	0	..	..	10.4
Uganda	..	..	..	..	..	..	..	..	..	0	0	..	..	..
Zambia	0	0	1	0	1	1	1	1	1	1	1	-11.8	51.9	6.2
Zimbabwe	175	66	91	183	275	195	238	151	143	164	205	-16.5	-19.4	9.2
NORTH AFRICA	34	59	12	45	39	24	17	13	18	19	18	-2.2	19.8	-5.6
Algeria	0	..	0	..	..	..	..	0	..	..	..	-58.2	..	..
Egypt, Arab Republic	1	56	11	43	37	21	14	10	14	11	7	-0.4	60.4	-11.8
Libya	..	2	0	..	..	..	..	..	..	..	..	..	..	..
Morocco	32	0	0	0	1	2	2	2	3	3	5	-2.5	-19.9	64.8
Tunisia	1	1	1	2	1	2	1	1	2	5	6	-6.5	-9.8	18.1
ALL AFRICA	1,471	789	851	973	1,320	1,177	1,434	1,333	1,064	1,177	851	-6.7	-8.5	3.5

## 5-33. Manufactured goods exports

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	4,323	10,427	10,027	10,356	11,685	14,590	14,466	15,340	16,011	15,816	18,232	3,270	7,465	13,392
excluding South Africa	775	4,406	4,374	4,384	4,891	6,086	6,261	5,891	5,841	5,798	5,715	670	3,106	5,264
excl. S. Africa & Nigeria	775	4,321	4,338	4,345	4,844	6,016	6,215	5,852	5,701	5,771	5,684	670	3,093	5,207
Angola	..	56	66	63	72	78	105	101	62	75	132	..	89	79
Benin	..	0	0	0	0	0	0	..	..	..	..	0	0	0
Botswana	..	..	..	..	..	..	..	0	0	0	0	..	..	0
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	1	4	11	9	5	7	4	1	0	1	1	3	8	4
Cameroon	96	268	241	227	204	259	302	291	423	399	381	81	232	305
Cape Verde	..	1	1	1	2	6	0	0	0	0	0	..	1	1
Central African Republic	..	0	0	0	0	0	0	0	0	0	0	..	0	0
Chad	..	0	1	0	0	1	2	1	27	29	..	5	4	6
Comoros	..	0	0	0	0	0	0	0	0	0	0	0	0	0
Congo, Democratic Rep. of	..	297	163	93	140	225	305	..	..	..	..	..	..	204
Congo, Republic of	0	26	25	20	13	23	17	16	10	12	12	6	40	19
Côte d'Ivoire	..	988	1,037	956	1,012	1,294	1,329	1,210	1,179	1,309	1,299	672	841	1,160
Djibouti	..	..	..	..	..	26	27	29	39	46	46	..	..	36
Equatorial Guinea	..	0	0	0	0	0	0	0	0	0	0	0	0	0
Eritrea	..	..	1	16	21	31	41	21	7	..	..	..	..	20
Ethiopia	..	0	0	0	0	0	0	0	0	0	0	..	0	0
Gabon	..	0	0	0	0	0	0	0	0	0	0	0	0	0
Gambia, The	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea	..	0	0	0	0	0	0	0	0	0	0	..	0	0
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	177	171	144	230	224	298	290	283	220	238	252	128	127	226
Lesotho	..	..	..	..	..	136	130	228	163	48	56	..	..	127
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	159	180	183	237	335	356	342	402	478	486	44	72	300
Malawi	..	23	28	32	39	49	69	74	63	56	56	..	40	47
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..	0	..	..
Mauritius	116	804	861	887	1,004	1,104	1,098	1,034	1,135	1,171	1,177	125	512	1,006
Mozambique	..	40	14	7	3	5	8	20	14	14	14	0	0	15
Namibia	158	394	501	500	579	618	540	525	595	575	522	169	236	522
Niger	..	0	0	0	0	0	0	0	0	..	..	0	0	0
Nigeria	..	85	36	40	47	70	47	40	140	27	30	..	34	57
Rwanda	..	2	2	7	2	4	5	18	10	16	42	4	4	10
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	136	213	190	164	201	254	250	254	258	242	241	171	157	223
Seychelles	..	12	13	11	17	18	34	57	60	63	67	0	5	33
Sierra Leone	..	0	0	0	0	0	0	0	0	0	0	0	0	0
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	3,548	6,021	5,653	5,972	6,794	8,504	8,205	9,455	10,170	10,018	12,517	2,600	4,358	8,128
Sudan	..	..	..	..	..	..	..	..	..	..	..	31	30	11
Swaziland	..	13	26	56	52	66	87	81	76	69	67	..	20	54
Tanzania	91	74	64	52	77	109	123	111	30	22	34	54	56	70
Togo	..	145	128	75	60	86	78	74	78	79	73	66	92	93
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	46	62	103	129	155	168	180	194	189	163	101	47	132
Zimbabwe	..	587	579	652	750	829	846	900	655	640	567	319	495	689
<b>NORTH AFRICA</b>	1,292	5,847	6,719	6,332	7,178	9,189	8,761	8,824	9,693	10,271	10,927	1,039	2,851	8,140
Algeria	..	226	213	68	28	30	31	40	42	46	81	7	105	97
Egypt, Arab Republic	..	1,163	1,461	1,167	1,127	1,655	1,314	1,302	1,685	2,080	2,845	..	868	1,555
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	387	2,374	2,612	2,710	3,010	3,754	3,673	3,802	3,932	4,087	3,997	320	1,093	3,291
Tunisia	905	2,085	2,432	2,387	3,012	3,750	3,742	3,680	4,033	4,058	4,005	718	1,133	3,198
<b>ALL AFRICA</b>	5,615	16,274	16,745	16,689	18,863	23,779	23,227	24,170	25,703	26,087	29,159	4,309	10,316	21,532

## 5-34. Manufactured goods exports, growth

	Percent										Average annual percentage growth			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		3.0	-2.1	4.0	11.1	4.4	9.6	5.1	0.6	4.2	-25.6	44.3	30.9	3.7
excluding South Africa		3.0	-2.1	4.0	11.1	4.4	9.6	5.1	0.6	4.2	-25.6	44.3	27.2	3.7
excl. S Africa & Nigeria		2.7	-1.0	3.9	11.1	4.1	10.1	5.2	-1.0	6.2	-25.7	44.3	26.9	3.8
Angola	..	12.6	-6.3	28.3	12.0	-4.9	4.7	-0.6	-20.1	8.2	1.8	..	9.4	-0.3
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	-15.1	185.4	-19.2	-39.1	19.1	-36.3	-87.7	3.0	2.2	6.2	..	0.3	-22.9
Cameroon	21.3	-16.0	1.1	-0.4	-4.6	-5.5	21.1	5.6	2.7	20.0	5.0	13.0	0.7	2.4
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chad	..	1.1	-2.9	-4.5	-0.8	22.6	14.0	0.0	5.0	6.1	..	..	..	4.7
Comoros	..	..	..	..	..	..	..	..	100.0	50.0	33.3	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	0.3	0.3	-33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..	..	-4.4
Côte d'Ivoire	..	-7.4	5.5	-7.3	19.7	1.2	11.5	2.0	6.0	7.1	7.1	..	0.7	5.0
Djibouti	..	..	..	..	..	..	-0.2	1.1	31.4	14.9	-2.9	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gabon	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gambia, The	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	..	10.3	-8.3	7.0	10.2	9.4	18.8	5.2	2.9	7.7	5.9	..	-9.1	7.9
Lesotho	..	..	..	..	..	..	-2.1	80.0	-27.0	-69.5	18.2	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	5.6	12.2	5.3	23.6	42.0	12.8	11.2	17.9	19.6	-2.2	..	11.3	16.5
Malawi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	..	6.1	7.4	9.5	1.0	5.0	5.0	5.0	0.1	2.5	..	..	14.9	5.6
Mozambique	..	45.1	-66.6	-49.5	-55.5	43.4	67.8	159.7	-28.3	-2.2	0.0	..	..	25.2
Namibia	..	3.1	27.2	10.9	1.6	1.1	-8.3	-2.9	16.4	1.6	-78.3	..	3.0	0.3
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	..	19.4	-59.7	11.6	14.4	38.3	-30.6	-10.0	260.3	-81.2	11.0	..	..	-3.2
Rwanda	..	-23.9	16.5	-25.9	-38.8	175.0	-15.5	2.8	2.3	61.9	93.7	..	-22.1	6.2
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	..	19.1	-48.3	12.7	14.0	-9.0	10.0	4.8	2.2	4.0	5.0	..	0.8	-1.2
Seychelles	..	18.2	47.0	27.7	-61.0	33.2	-55.0	-100.0	..	..	..	..	..	-8.6
Sierra Leone	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	..	324.8	92.5	113.9	-10.4	19.9	38.6	0.1	-2.6	-8.3	0.1	..	..	28.1
Tanzania	..	..	-100.0	-19.0	48.1	41.8	12.5	-9.4	-73.2	-27.9	59.1	..	..	-56.7
Togo	..	-1.9	-164.5	192.4	-22.7	88.5	-94.3	1,063.5	29.6	..	..	..	..	..
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	-32.4	28.9	67.3	19.9	11.3	13.5	12.5	12.2	-2.8	-15.9	..	..	15.3
Zimbabwe	..	2.8	1.3	8.8	20.2	-4.6	5.1	14.9	-25.1	0.2	-9.1	..	..	1.8
NORTH AFRICA	2.2	-1.5	6.6	-6.7	13.6	16.9	-8.1	7.4	22.4	10.4	-33.7	11.8	22.9	-5.2
Algeria	..	-34.0	8.7	-23.6	-57.6	-1.5	7.6	27.3	4.6	9.2	..	..	100.0	-13.0
Egypt, Arab Republic	..	-13.2	22.0	-21.9	-5.5	40.1	-20.9	-15.0	69.5	25.9	39.2	..	..	6.0
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	2.2	3.4	5.5	4.0	7.1	15.6	2.5	8.6	5.4	6.8	0.4	5.5	23.6	7.3
Tunisia	..	5.9	-1.6	-4.0	34.9	8.5	-10.0	16.4	21.0	5.7	..	..	1.2	9.1
ALL AFRICA	..	0.4	2.4	-2.4	12.5	11.5	-1.0	6.4	12.4	8.0	-30.6	23.0	26.4	4.6

## 5-35. Food Imports

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	5,455	5,420	5,939	5,379	5,901	7,435	7,279	7,456	7,491	6,959	8,131	3,693	4,922	6,606
excluding South Africa	4,522	4,454	4,991	4,429	4,485	5,479	5,437	5,806	5,859	5,374	6,128	2,859	3,950	5,161
excl. S. Africa & Nigeria	1,361	1,694	4,184	3,658	3,747	4,419	4,508	4,587	4,462	3,858	4,370	953	3,048	4,107
Angola	..	57	244	203	215	205	275	365	..	..	..	..	263	231
Benin	..	99	117	113	85	134	136	130	138	128	135	80	141	118
Botswana	109	265	347	316	289	305	293	307	322	340	364	121	140	307
Burkina Faso	..	104	90	0	0	70	86	71	111	..	..	..	..	70
Burundi	18	15	11	19	30	29	11	11	10	11	11	19	14	15
Cameroon	82	199	189	161	189	123	138	155	173	169	162	70	134	168
Cape Verde	0	41	75	53	65	79	75	78	50	53	55	0	25	60
Central African Republic	..	28	30	25	23	29	22	20	23	23	18	20	26	25
Chad	..	7	0	6	25	22	21	18	4	4	..	..	16	12
Comoros	..	12	13	10	9	18	12	20	18	18	15	8	8	14
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	0	31	34	36	15	16	18	19	20	21	23	10	23	24
Côte d'Ivoire	435	490	377	431	317	523	563	538	539	544	503	389	441	481
Djibouti	..	..	..	..	..	70	67	69	72	75	78	..	..	72
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	25	35	76	69	92	83	63	89	..	..	..	66
Ethiopia	..	152	131	167	126	181	103	17	28	100	116	126	219	109
Gabon	..	157	174	166	166	181	191	189	166	138	142	142	151	165
Gambia, The	..	12	14	13	7	8	8	8	9	9	9	..	7	10
Ghana	..	39	38	..	..	..	..	..	..	..	..	39	48	39
Guinea	..	8	49	53	76	77	76	77	79	82	87	..	12	62
Guinea-Bissau	..	21	32	25	17	26	25	31	17	31	34	16	14	25
Kenya	109	149	156	145	173	117	199	401	312	189	278	89	123	204
Lesotho	..	..	..	..	..	0	0	0	0	0	0	..	..	0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	89	35	58	51	79	67	60	49	54	46	67	87	42	56
Malawi	..	11	63	5	65	82	43	32	77	32	32	..	3	41
Mali	103	117	97	97	86	111	113	111	123	105	111	113	88	108
Mauritania	..	121	137	104	95	128	103	117	103	98	120	76	107	114
Mauritius	165	201	219	235	287	330	350	320	339	299	291	133	146	279
Mozambique	..	..	..	..	..	44	29	30	32	47	87	..	..	45
Namibia	..	..	..	..	..	..	..	..	..	..	396	..	..	396
Niger	..	31	22	22	16	18	19	27	36	..	..	..	30	26
Nigeria	3,161	760	807	771	738	1,060	929	1,219	1,397	1,516	1,758	1,906	902	1,054
Rwanda	..	35	29	59	218	56	51	54	57	35	47	27	31	61
São Tomé and Príncipe	..	6	6	7	7	7	6	5	5	5	5	8	7	6
Senegal	210	362	363	348	310	394	395	336	348	336	305	246	243	351
Seychelles	..	33	40	46	42	47	63	88	85	75	76	17	25	57
Sierra Leone	..	53	58	57	52	66	110	41	36	28	66	39	49	55
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	933	965	948	950	1,416	1,956	1,842	1,650	1,632	1,585	2,003	835	972	1,445
Sudan	..	275	166	205	181	215	232	238	264	276	340	219	189	238
Swaziland	42	97	110	135	136	202	172	170	169	163	156	32	49	146
Tanzania	..	32	25	58	97	97	54	57	169	200	176	96	86	93
Togo	..	156	131	82	75	96	149	209	212	..	..	118	137	141
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	..	258	50	55	98	25	12	108	0	9	24	16	62
Zimbabwe	..	245	257	121	43	78	119	84	90	88	54	77	28	127
NORTH AFRICA	3,100	4,626	5,431	5,364	5,541	7,766	7,034	7,192	7,746	6,142	5,735	2,484	4,242	6,193
Algeria	1,992	1,894	2,127	2,092	2,206	2,762	2,601	2,544	2,657	2,609	2,465	1,558	2,102	2,372
Egypt, Arab Republic	..	1,802	1,979	1,878	1,982	2,760	2,513	2,885	3,194	1,799	1,395	..	1,999	2,228
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	720	594	895	978	817	1,373	1,298	1,072	1,191	1,177	1,338	594	512	1,029
Tunisia	388	336	430	417	537	871	622	691	705	557	538	333	428	564
ALL AFRICA	8,555	10,045	11,369	10,743	11,442	15,201	14,313	14,648	15,237	13,101	13,867	6,177	9,164	12,799

## 5-36. Food imports, growth

	Percent										Average annual percentage growth			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	61.3	-3.2	19.3	-14.1	3.1	12.9	0.3	11.2	-33.9	-3.1	2.5	22.1	-3.3	-0.3
excluding South Africa	61.3	-3.2	19.3	-14.1	3.1	12.9	0.3	11.2	-33.9	-3.1	2.5	22.1	-4.1	-0.3
excl. S. Africa & Nigeria	76.5	-8.5	23.7	-17.0	7.8	8.1	5.8	4.2	-12.2	-3.1	2.5	26.3	7.8	1.6
Angola	..	-79.9	340.6	-12.6	2.5	-13.2	34.2	47.1	..	..	..	..	-12.7	7.3
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	0.2	-0.3	75.5	61.3	-4.0	-62.2	2.8	-9.6	4.0	4.6	..	3.3	-0.5
Cameroon	0.8	35.3	-6.8	-17.2	9.5	-27.6	-3.8	20.6	9.5	-10.1	1.6	-0.9	20.2	-1.4
Cape Verde	..	9.8	78.5	-27.7	11.9	12.5	-8.4	11.0	-35.0	3.5	3.1	..	..	2.3
Central African Republic	..	-19.1	1.4	-16.9	-11.4	19.4	-26.5	-7.7	9.4	-3.9	-21.1	..	..	-6.8
Chad	..	2.0	-89.5	500.0	25.0	-12.8	-0.3	-1.9	2.8	1.2	..	..	..	-0.3
Comoros	..	17.4	1.5	-12.6	32.7	77.9	-30.5	1.0	1.5	2.0	3.5	..	5.3	5.7
Congo, Democratic Rep. of	..	..	..	..	..	62.8	50.1	..	..	..	..	..	..	..
Congo, Republic of	..	-1.9	-16.5	32.2	10.9	-1.1	-0.7	9.6	7.6	3.0	3.5	..	-6.5	4.1
Côte d'Ivoire	..	2.5	-25.8	13.0	-26.1	52.6	1.5	7.1	5.0	4.0	-2.0	..	..	1.4
Djibouti	..	..	..	..	..	..	-7.3	-1.5	0.9	1.5	-0.1	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	..	..	..	..	..	..	..	-11.2	..
Gabon	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gambia, The	..	23.0	8.0	-11.6	-41.9	3.6	-1.8	-1.7	1.3	1.6	2.0	..	..	-4.4
Ghana	..	2.7	4.3	5.5	4.2	5.4	7.7	-0.7	7.3	6.0	4.1	..	8.4	4.6
Guinea	..	-34.3	513.8	12.8	38.7	-7.4	0.0	-2.0	5.3	5.8	5.2	..	7.8	21.0
Guinea-Bissau	..	37.2	43.8	-21.4	-15.6	61.3	-7.9	20.2	-44.9	87.3	11.4	..	..	6.7
Kenya	..	-37.6	112.6	-41.6	186.6	-59.6	66.3	97.6	-20.7	-3.2	-1.5	..	22.4	11.3
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	-40.6	61.7	-17.5	53.4	-26.2	-19.9	-8.8	22.0	-22.2	-9.1	..	-17.0	-2.8
Malawi	..	161.0	354.3	-90.5	967.9	23.5	-47.9	-30.5	56.2	-8.6	-1.7	..	..	20.6
Mali	2.1	11.1	-20.9	1.9	-8.7	13.3	11.3	7.5	11.4	-10.2	23.5	6.7	-17.6	3.9
Mauritania	..	-4.5	12.3	-22.4	-5.1	-19.4	4.6	-6.1	11.9	-9.0	52.0	..	-3.0	-2.8
Mauritius	..	5.8	6.9	8.0	6.0	2.5	8.0	7.5	3.5	3.0	3.0	..	-11.1	5.8
Mozambique	..	..	..	..	..	..	-39.4	4.3	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	59.2	19.0	5.3	-3.0	-11.7	31.3	-17.1	39.8	..	..	..	20.0	-27.0	7.9
Rwanda	..	5.4	1.5	0.9	5.1	8.1	12.2	-10.8	-12.7	-3.8	-6.6	..	-11.6	0.7
São Tomé and Príncipe	..	-22.1	-1.9	23.6	-14.2	2.9	-24.9	-14.6	25.7	-6.9	-13.4	..	20.0	-5.2
Senegal	..	11.4	-2.1	0.7	-15.3	-0.5	1.4	-5.8	5.6	0.7	3.9	..	0.5	-0.5
Seychelles	..	-1.5	14.4	27.2	-16.4	10.4	38.5	40.6	3.0	1.5	1.5	..	6.3	12.2
Sierra Leone	..	45.9	6.9	5.4	-11.6	16.3	64.9	-60.1	-5.5	-25.8	131.1	..	..	-0.8
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	10.1	..
Swaziland	..	-1.7	13.2	21.4	0.4	47.6	-15.4	-1.8	-1.2	15.2	-2.4	..	..	7.1
Tanzania	..	..	..	..	..	..	-64.1	..	..	..	..	..	..	..
Togo	..	..	..	..	..	..	..	..	..	..	..	..	2.6	..
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	..	..	-80.3	0.7	64.0	-75.9	-47.3	864.4	-100.0	..	..	-14.5	-63.3
Zimbabwe	..	13.1	3.2	-51.0	-65.7	71.9	59.4	-26.4	13.5	0.8	-40.8	..	-12.7	-3.2
NORTH AFRICA	5.8	-8.0	16.2	-3.6	-1.0	16.5	-12.5	-0.6	18.0	-11.9	-36.1	9.9	16.6	-1.1
Algeria	..	3.5	8.6	-10.5	7.5	-12.0	-7.0	-10.6	12.4	-2.5	..	..	10.0	-3.8
Egypt, Arab Republic	..	-19.1	9.8	-4.8	2.0	27.8	-15.3	14.1	21.1	-35.3	-13.3	..	..	-0.1
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	5.8	2.6	49.5	10.9	-22.9	53.6	-10.6	-12.2	23.1	18.4	17.8	3.6	-3.8	8.9
Tunisia	..	-35.5	21.9	2.3	21.1	35.2	-30.8	18.3	6.3	-9.7	..	..	-4.4	1.8
ALL AFRICA	-43.1	-6.4	17.3	-7.3	0.4	15.3	-8.3	3.6	-2.0	-9.6	-25.3	16.7	8.8	-0.8

## 5-37. Nonfood consumer goods imports

	<i>Millions of U.S. dollars (current prices)</i>											<i>Annual Average</i>		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB SAHARAN AFRICA</b>	9,824	12,111	12,857	11,846	14,198	18,020	17,745	16,998	15,740	9,363	10,585	7,302	10,169	13,765
excluding South Africa	1,618	5,127	5,997	4,974	5,143	6,690	6,861	7,267	6,115	6,044	6,390	1,117	4,382	5,974
excl. S Africa & Nigeria	1,618	5,127	5,997	4,974	5,143	6,690	6,861	7,267	6,115	6,044	6,390	1,117	4,382	5,974
Angola	..	676	1,009	778	712	1,069	1,119	1,263	..	..	..	..	328	897
Benin	..	107	126	121	92	144	146	140	148	137	145	..	97	128
Botswana	146	426	394	355	363	367	350	375	403	436	478	158	197	396
Burkina Faso	..	168	215	0	0	170	192	176	160	..	..	..	..	144
Burundi	53	36	45	33	28	28	8	19	49	-4	10	43	38	27
Cameroon	136	131	68	89	76	64	74	179	244	402	432	222	262	170
Cape Verde	0	57	60	57	65	85	91	81	45	48	49	0	43	62
Central African Republic	..	20	27	26	29	11	32	51	15	-13	-31	30	45	21
Chad	..	117	102	131	85	103	109	116	120	117	..	..	108	112
Comoros	..	40	49	41	36	35	28	22	17	17	15	25	29	30
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	0	2	3	3	5	5	7	9	28	36	82	26	212	17
Côte d'Ivoire	629	398	534	491	454	743	793	771	784	789	730	466	475	629
Djibouti	..	..	..	..	..	35	34	34	36	38	39	..	..	36
Equatorial Guinea	..	28	33	25	22	29	50	43	39	49	49	21	27	36
Eritrea	..	..	198	109	95	28	59	80	174	..	..	..	..	106
Ethiopia	..	168	174	189	183	176	254	272	256	365	293	116	140	228
Gabon	..	224	252	241	71	77	78	79	67	61	65	330	236	129
Gambia, The	..	1	0	0	0	0	0	0	0	0	0	..	0	0
Ghana	..	228	306	..	..	..	..	..	..	..	..	80	125	231
Guinea	..	334	313	318	320	389	313	355	378	405	436	..	259	355
Guinea-Bissau	..	10	7	5	6	7	7	9	9	10	10	11	9	8
Kenya	152	550	537	376	689	1,008	980	987	1,123	1,036	1,040	130	599	823
Lesotho	..	..	..	..	..	0	0	0	0	0	0	..	..	0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	155	188	209	236	299	309	353	363	417	434	89	90	284
Malawi	..	52	57	54	39	31	45	58	30	44	53	..	42	46
Mali	181	151	182	188	176	159	182	168	154	147	165	163	95	163
Mauritania	..	27	29	16	12	18	17	23	22	25	-12	23	32	20
Mauritius	41	145	159	163	186	204	179	181	188	188	181	35	87	173
Mozambique	..	..	..	..	..	140	137	137	147	216	175	..	..	159
Namibia	..	..	..	..	..	..	..	..	..	..	501	..	..	501
Niger	..	87	94	92	117	112	154	130	147	..	..	..	113	114
Nigeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rwanda	..	46	92	88	158	69	71	120	105	133	95	31	46	96
São Tomé and Príncipe	..	9	10	11	9	7	8	6	6	5	8	15	9	8
Senegal	151	216	212	192	170	199	203	191	203	207	198	139	166	201
Seychelles	..	23	29	39	33	33	40	51	50	51	53	8	16	39
Sierra Leone	..	15	15	19	16	11	11	4	7	6	19	18	34	13
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	8,206	6,984	6,859	6,872	9,055	11,330	10,884	9,731	9,625	3,319	4,195	6,185	5,787	7,791
Sudan	..	126	3	8	15	17	64	64	72	72	43	120	88	53
Swaziland	127	42	58	78	46	32	39	41	43	41	40	86	75	46
Tanzania	..	179	274	293	237	355	268	323	272	357	376	71	117	280
Togo	..	19	27	16	22	27	29	28	14	..	..	61	89	23
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	..	..	..	167	199	200	125	121	128	125	..	..	152
Zimbabwe	..	115	121	119	173	205	183	203	77	76	93	303	198	134
<b>NORTH AFRICA</b>	2,714	5,144	5,738	6,125	7,969	7,761	5,877	7,122	7,454	8,469	11,000	2,083	4,160	7,085
Algeria	1,785	1,485	1,617	1,373	2,027	1,757	1,037	1,095	1,314	1,422	1,386	1,333	2,029	1,520
Egypt, Arab Republic	..	799	813	1,448	2,159	1,531	121	1,167	785	1,621	4,087	..	1,252	1,345
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	334	1,337	1,414	1,366	1,525	1,853	2,037	2,134	2,418	2,481	2,701	288	580	1,863
Tunisia	595	1,523	1,895	1,938	2,258	2,621	2,683	2,726	2,937	2,945	2,825	462	799	2,356
<b>ALL AFRICA</b>	12,538	17,255	18,595	17,970	22,167	25,782	23,622	24,120	23,194	17,832	21,585	9,384	14,329	20,850



## 5-38. Nonfood consumer goods imports, growth

	Percent										Average annual percentage growth				
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR	
SUB-SAHARAN AFRICA	-1.2	-1.2	15.7	-7.0	13.2	8.2	9.2	9.4	-18.8	1.9	5.3	36.4	20.4	4.0	
excluding South Africa	-1.2	-1.2	15.7	-7.0	13.2	8.2	9.2	9.4	-18.8	1.9	5.3	36.4	17.3	4.0	
excl. S. Africa & Nigeria	-1.2	-1.2	15.7	-7.0	13.2	8.2	9.2	9.4	-18.8	1.9	5.3	36.4	17.3	4.0	
Angola	..	23.4	54.2	-19.0	-11.5	36.7	4.7	25.1	..	..	..	..	52.1	12.3	
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Burundi	..	-18.4	9.2	-33.2	-46.6	0.2	-101.6	-5,796.8	259.1	-130.0	-120.4	..	-9.7	-15.6	
Cameroon	-40.2	28.4	58.8	-25.5	69.5	-22.2	40.4	21.7	16.6	3.4	5.0	-3.7	-3.0	14.9	
Cape Verde	..	30.1	8.2	-4.5	-6.5	20.1	14.7	-8.7	-44.4	1.5	1.9	..	..	-0.6	
Central African Republic	..	-69.0	29.9	-1.4	8.2	-64.1	166.4	66.9	-72.7	-186.3	133.1	..	..	-8.3	
Chad	..	-23.3	9.5	-20.4	-96.4	-313.0	183.6	-5.4	4.2	1.9	..	..	..	..	
Comoros	..	13.9	14.6	-9.5	27.5	-11.0	20.0	1.0	1.5	2.0	3.5	..	-6.6	6.1	
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Congo, Republic of	..	-1.9	-16.5	32.2	10.9	-1.1	140.8	-22.9	-22.1	8.7	-3.1	..	2.9	8.4	
Côte d'Ivoire	..	2.5	22.8	-8.2	-8.4	48.7	5.0	4.7	4.5	4.0	-2.0	..	..	6.5	
Djibouti	..	..	..	..	..	..	-7.1	-1.5	0.9	2.4	-0.1	..	..	..	
Equatorial Guinea	..	38.1	-6.6	13.5	-8.5	18.6	71.3	57.6	157.1	-59.7	-27.2	..	1.5	18.9	
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Ethiopia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Gabon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Gambia, The	..	144.8	-60.9	-1.7	-5.2	-17.0	-6.2	4.9	-4.5	0.4	-2.1	..	..	-6.5	
Ghana	..	40.0	28.6	69.6	-30.7	4.8	10.3	0.9	7.3	6.1	4.1	..	11.8	10.1	
Guinea	..	-3.8	-9.3	6.2	-3.0	10.6	-20.2	18.6	4.0	4.4	4.8	..	12.1	0.5	
Guinea-Bissau	..	-25.7	-32.3	-36.5	15.8	13.8	10.9	12.2	2.8	9.3	9.2	..	..	-3.2	
Kenya	..	-23.5	20.9	-25.3	70.4	-0.9	-19.5	7.1	4.6	0.3	0.2	..	9.0	3.7	
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Madagascar	..	-0.5	15.5	17.1	8.2	15.9	6.6	23.8	3.8	17.1	10.0	..	-9.3	13.7	
Malawi	..	-23.7	7.3	-5.4	-32.3	-35.3	66.0	45.9	-19.2	-8.9	18.0	..	..	-3.2	
Mali	2.5	29.3	9.6	7.7	-9.5	-19.0	17.8	10.4	-119.4	-455.4	148.9	-3.4	9.9	2.8	
Mauritania	..	-31.1	2.8	-46.9	-12.1	23.2	7.7	-7.1	4.3	-42.3	666.1	..	-10.9	-2.8	
Mauritius	..	17.3	-3.3	-1.7	6.0	-1.8	5.0	4.0	3.0	4.0	2.5	..	33.0	2.5	
Mozambique	..	..	..	..	..	..	-1.5	4.3	..	..	..	..	..	..	
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Nigeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rwanda	..	11.5	3.9	-6.3	3.3	-45.0	-83.6	787.7	11.9	-13.2	-46.0	..	0.1	-5.8	
São Tomé and Príncipe	..	111.2	7.8	13.3	-20.2	-31.9	17.6	5.1	-57.9	152.8	27.8	..	-9.4	-0.9	
Senegal	..	-5.1	-6.0	-8.8	-15.1	8.6	7.2	-1.2	7.9	5.2	-2.0	..	7.7	-1.1	
Seychelles	..	-10.0	18.3	47.0	-25.4	-1.6	34.6	24.0	3.0	1.5	1.5	..	21.0	8.7	
Sierra Leone	..	4.6	-4.8	34.3	-17.7	-38.2	4.1	-58.2	66.6	-8.0	189.4	..	..	-6.6	
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
South Africa	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Swaziland	..	0.3	35.1	33.7	-41.0	-31.7	20.7	4.1	3.9	11.7	1.0	..	..	-1.8	
Tanzania	..	..	..	..	..	..	13.1	..	..	..	..	..	..	..	
Togo	..	..	..	..	..	..	..	..	..	..	..	..	10.7	..	
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Zambia	..	..	..	..	..	10.2	4.9	-33.9	0.0	6.0	0.4	..	..	-5.7	
Zimbabwe	..	13.1	3.2	2.2	40.9	11.7	-6.2	15.5	-59.5	0.8	25.3	..	-19.5	-0.4	
NORTH AFRICA	1.5	14.6	-1.4	16.2	31.0	-5.4	-23.3	17.7	2.8	21.4	2.2	1.8	-11.7	6.3	
Algeria	..	-1.4	-21.9	-9.3	73.2	17.3	-16.7	-27.0	5.5	7.7	..	..	-20.3	0.2	
Egypt, Arab Republic	..	212.1	1.8	78.6	44.1	-34.9	-92.6	858.0	-26.3	137.3	182.5	..	..	19.7	
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Morocco	1.5	6.2	1.3	-3.1	7.7	12.6	15.2	9.9	15.5	5.4	11.8	-4.9	21.0	9.3	
Tunisia	..	-5.0	11.7	8.3	11.6	3.1	0.3	8.0	6.8	1.9	..	..	4.9	6.3	
ALL AFRICA	-0.4	5.7	7.6	3.0	21.9	1.1	-6.8	12.8	-9.6	11.5	3.7	21.4	8.7	5.1	

## 5-39. Fuel imports

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	10,347	10,031	9,596	9,575	11,409	13,241	14,440	15,766	15,205	7,157	9,112	7,189	8,170	11,411
excluding South Africa	2,792	3,525	3,207	3,174	3,261	3,781	4,444	4,716	4,276	4,281	5,476	1,728	2,692	3,978
excl. S. Africa & Nigeria	2,452	3,481	3,157	3,128	3,175	3,663	4,354	4,572	4,153	4,129	5,298	1,458	2,635	3,879
Angola	..	0	0	0	0	0	0	0	..	..	..	..	0	0
Benin	..	34	40	39	27	43	54	48	64	59	80	34	29	47
Botswana	90	123	102	113	98	98	111	112	116	121	130	91	68	111
Burkina Faso	..	80	53	0	0	52	73	69	72	..	..	..	..	54
Burundi	25	29	26	24	29	27	18	14	14	19	20	30	27	23
Cameroon	187	9	8	7	7	139	151	136	149	12	24	96	13	60
Cape Verde	0	8	8	6	5	10	9	9	7	11	20	0	3	9
Central African Republic	..	16	16	15	11	17	13	15	14	13	16	17	18	15
Chad	..	11	4	4	12	12	14	18	22	24	28	20	28	17
Comoros	..	6	7	6	6	8	4	4	4	5	5	5	4	6
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	0	196	104	162	367	187	215	225	216	221	229	2	9	205
Côte d'Ivoire	557	530	511	459	396	470	589	624	528	576	562	433	355	528
Djibouti	..	..	..	..	..	14	14	14	11	11	12	..	..	13
Equatorial Guinea	..	3	4	3	3	3	5	11	11	13	13	5	5	7
Eritrea	..	..	1	1	2	7	6	7	6	..	..	..	..	4
Ethiopia	..	102	120	198	222	169	148	147	143	111	213	183	125	153
Gabon	..	10	12	11	161	173	221	217	216	162	177	44	33	125
Gambia, The	..	1	16	15	9	9	10	10	10	10	11	..	9	11
Ghana	..	175	162	158	176	194	266	240	220	342	533	168	156	243
Guinea	..	68	69	73	69	82	87	90	86	93	99	..	55	80
Guinea-Bissau	..	10	5	3	6	8	9	9	6	7	10	9	7	8
Kenya	852	385	412	407	333	401	448	519	532	527	850	456	343	480
Lesotho	..	..	..	..	..	0	0	0	0	0	0	..	..	0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	159	71	72	85	72	81	106	117	102	124	214	123	60	105
Malawi	..	54	47	40	25	49	59	79	56	66	80	..	38	55
Mali	120	79	84	74	52	85	102	105	88	112	166	99	67	92
Mauritania	..	39	36	37	36	51	43	69	50	61	100	43	34	52
Mauritius	87	132	126	116	123	146	169	159	135	151	236	83	82	147
Mozambique	..	..	..	..	..	68	78	78	84	124	44	..	..	79
Namibia	..	..	..	..	..	..	..	..	..	..	83	..	..	83
Niger	..	19	22	23	20	35	32	28	23	..	..	..	19	25
Nigeria	340	44	49	46	86	118	89	143	123	152	178	270	58	98
Rwanda	..	39	37	35	24	22	27	32	35	41	62	49	52	36
São Tomé and Príncipe	..	2	3	2	2	3	4	4	3	4	7	..	0	3
Senegal	276	148	150	124	142	138	176	191	156	197	280	272	170	169
Seychelles	..	38	33	34	32	30	43	50	47	45	47	26	23	40
Sierra Leone	..	26	24	22	29	24	23	15	25	21	29	45	25	25
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	7,555	6,506	6,390	6,401	8,148	9,460	9,997	11,050	10,929	2,877	3,636	5,461	5,478	7,433
Sudan	..	356	225	249	230	225	306	293	256	184	137	351	230	246
Swaziland	99	95	108	91	42	78	135	149	126	121	117	57	71	104
Tanzania	..	189	142	101	124	186	189	194	129	104	95	247	175	148
Togo	..	35	37	26	22	41	34	42	38	..	..	33	25	36
Uganda	..	83	72	58	55	64	90	92	84	108	143	91	69	84
Zambia	..	83	53	47	56	41	51	87	42	115	177	144	85	79
Zimbabwe	..	197	207	260	150	176	222	250	229	216	250	213	143	212
NORTH AFRICA	2,065	2,580	2,679	2,820	2,270	2,554	2,856	3,934	3,616	3,222	5,424	1,237	2,014	3,140
Algeria	259	130	147	141	150	115	110	132	110	127	106	149	183	128
Egypt, Arab Republic	..	1,062	959	1,267	542	721	854	1,909	2,188	1,228	2,451	..	1,237	1,269
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	1,006	991	1,124	957	1,113	1,177	1,285	1,296	922	1,326	2,039	745	776	1,218
Tunisia	799	396	449	455	466	541	607	597	396	541	827	387	313	524
ALL AFRICA	12,412	12,611	12,276	12,395	13,679	15,795	17,297	19,699	18,821	10,379	14,536	8,425	10,184	14,550

## 5-40. Fuel imports, growth

	Percent										Average annual percentage growth			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	15.6	16.2	-9.9	16.8	-19.3	17.5	9.2	14.0	9.7	1.0	-10.4	8.7	4.9	4.3
excluding South Africa	15.6	16.2	-9.9	16.8	-19.3	17.5	9.2	14.0	9.7	1.0	-10.4	8.7	1.0	4.3
excl S Africa & Nigeria	60.4	16.6	-10.3	17.0	-21.6	17.1	11.6	12.3	14.7	1.0	-10.4	22.7	1.4	4.5
Angola	..	-16.7	-20.0	-25.0	-33.3	-50.0	-100.0	..	..	..	..	..	..	..
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	15.3	-8.5	2.4	29.0	-15.1	-42.3	-19.8	50.0	20.0	-3.8	..	-0.3	-2.2
Cameroon	9.7	-14.3	-63.5	379.3	-38.3	40.6	-12.9	101.9	-4.4	-44.7	255.0	-42.7	10.1	13.2
Cape Verde	..	-9.3	-0.6	-10.2	-15.1	91.5	-9.9	-1.1	-18.2	13.5	12.0	..	..	3.8
Central African Republic	..	-33.5	-3.7	-5.9	-28.1	46.2	-25.4	18.6	-12.5	-9.0	15.4	..	..	-5.7
Chad	..	-19.2	-61.0	-21.0	190.0	35.4	20.5	9.3	124.3	135.4	..	..	..	18.7
Comoros	..	6.2	8.2	-5.7	42.0	13.8	-47.9	2.0	2.5	2.9	3.5	..	-14.2	2.1
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	-1.9	-16.5	32.2	10.9	-1.1	-3.6	12.7	9.4	2.1	3.1	..	-2.6	4.2
Côte d'Ivoire	..	2.5	-3.1	1.8	27.1	9.8	9.5	6.2	4.8	3.5	-5.7	..	..	6.0
Djibouti	..	..	..	..	..	..	-7.2	-1.7	-25.8	2.4	-0.5	..	..	..
Equatorial Guinea	..	-50.3	24.3	-2.4	-4.5	15.8	23.9	126.9	5.3	24.7	1.9	..	22.7	12.2
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	46.5	20.0	119.9	..	..	..	..	..	..	..	..	-10.4	..
Gabon	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gambia, The	..	-94.9	1,470.5	-11.6	-40.3	0.8	-1.8	-1.7	1.3	1.6	2.0	..	..	-1.2
Ghana	..	4.2	-7.1	3.2	19.0	3.9	9.9	17.9	22.7	11.9	4.4	..	9.3	8.2
Guinea	..	26.1	1.4	14.1	0.1	10.2	11.1	1.5	7.7	5.4	6.5	..	-3.4	7.3
Guinea-Bissau	..	16.4	-49.1	-39.3	137.1	44.3	14.9	4.0	-33.1	15.0	47.3	..	..	4.8
Kenya	..	29.8	-9.5	2.8	-18.7	12.8	11.7	16.0	2.5	-2.4	-0.5	..	-10.2	3.5
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	-24.4	1.2	33.7	-14.4	3.8	11.6	16.9	27.3	-12.1	8.7	..	-4.5	8.2
Malawi	..	27.4	-12.6	-2.8	-33.5	78.2	2.7	41.8	31.5	1.2	19.7	..	..	10.3
Mali	3.0	-9.4	2.5	-14.1	12.9	28.3	14.8	20.2	70.0	-10.6	-6.6	0.7	2.7	11.8
Mauritania	..	1.3	-7.3	17.2	-2.6	158.8	3.3	-6.1	15.0	17.1	-23.4	..	6.2	14.3
Mauritius	..	9.1	-7.9	1.7	4.8	2.3	5.1	5.0	3.3	4.0	2.5	..	-16.9	3.6
Mozambique	..	..	..	..	..	..	5.4	-62.5	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	-35.3	-5.1	14.8	5.3	98.6	26.6	-36.1	70.8	..	..	..	-10.6	-9.8	16.3
Rwanda	..	-14.1	0.0	-8.2	-5.4	8.0	3.5	26.4	60.5	-14.5	-3.4	..	-6.9	4.1
São Tomé and Príncipe	..	-26.0	16.7	-21.7	-1.9	36.5	6.2	40.8	-12.3	26.9	0.6	..	..	7.2
Senegal	..	-14.5	24.5	-8.9	32.2	-14.3	8.2	4.5	15.3	10.1	-11.9	..	4.9	3.7
Seychelles	..	6.3	0.8	8.2	-3.4	-14.2	44.7	17.7	11.1	1.8	1.8	..	3.2	6.5
Sierra Leone	..	-30.5	-10.4	-0.6	27.3	-25.5	-1.1	-28.4	69.4	-18.4	38.1	..	..	-2.4
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	-15.0	..
Swaziland	..	28.7	22.0	-10.0	-49.9	97.3	85.6	18.4	-9.3	-30.5	-37.9	..	..	6.7
Tanzania	..	..	..	..	..	..	-5.2	..	..	..	..	..	..	..
Togo	..	-22.8	..	..	..	..	..	..	..	..	..	..	5.3	..
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	-17.5	-35.0	0.1	25.2	-31.7	4.6	82.1	-29.5	98.0	-0.4	..	0.5	0.9
Zimbabwe	..	28.3	6.4	42.3	-39.1	8.5	6.3	19.4	34.8	-31.3	-25.5	..	-0.9	4.1
NORTH AFRICA	19.0	5.1	10.4	9.6	-4.5	4.8	-5.4	23.2	23.7	-14.9	-5.3	5.3	17.3	5.0
Algeria	..	-10.0	8.0	-13.6	5.9	1.3	-12.8	-9.9	30.0	3.6	..	..	-8.7	1.4
Egypt, Arab Republic	..	31.0	-0.7	41.4	-53.2	31.9	4.1	80.0	65.9	-41.9	34.2	..	..	9.2
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	19.0	0.0	15.5	-3.9	23.3	-2.1	-8.2	7.4	4.4	4.0	-1.5	3.8	4.7	4.0
Tunisia	..	-13.2	15.0	16.5	9.8	7.1	-4.7	5.8	-12.0	25.5	..	..	2.6	4.6
ALL AFRICA	17.6	9.6	1.8	12.3	-10.3	9.3	0.2	19.4	18.2	-9.0	-7.4	6.9	12.0	-4.7

## 5-41. Primary intermediate goods imports

	Millions of U.S. dollars (current prices)										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	4,325	3,882	3,672	3,491	4,166	5,136	4,878	5,653	5,408	5,404	6,485	2,851	3,313	4,739
excluding South Africa	141	1,608	1,439	1,254	1,513	2,251	2,391	2,146	1,939	1,808	1,939	173	1,343	1,819
excl. S Africa & Nigeria	141	1,608	1,439	1,254	1,513	2,251	2,391	2,146	1,939	1,808	1,939	173	1,343	1,819
Angola	..	254	223	89	129	157	0	0	..	..	..	..	292	151
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	22	103	106	97	95	145	127	126	125	124	132	25	41	117
Burkina Faso	..	28	28	0	0	42	42	40	68	..	..	..	..	30
Burundi	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cameroon	55	65	72	61	60	69	77	94	76	69	70	61	76	73
Cape Verde	..	..	..	..	..	..	16	16	17	18	21	..	..	18
Central African Republic	..	55	53	40	44	58	44	39	45	54	56	..	53	50
Chad	..	0	0	0	0	0	0	0	0	0	..	..	0	0
Comoros	..	3	3	4	4	4	2	0	0	0	0	2	2	2
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	0	23	28	28	72	78	98	89	101	108	117	0	6	70
Côte d'Ivoire	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Djibouti	..	..	..	..	..	7	7	7	7	7	8	..	..	7
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	1	5	7	10	17	9	6	..	..	..	..	8
Ethiopia	..	28	17	21	15	21	29	27	28	27	21	35	28	24
Gabon	..	10	10	10	10	10	10	11	5	5	5	..	10	9
Gambia, The	..	79	85	88	79	76	82	73	87	80	84	..	45	79
Ghana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea	..	0	0	0	0	0	0	0	0	0	0	..	0	0
Guinea-Bissau	..	..	..	..	..	..	12	15	4	19	19	..	..	14
Kenya	..	57	59	47	51	71	75	67	60	54	56	42	47	59
Lesotho	..	..	..	..	..	0	0	0	0	0	0	..	..	0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	46	41	44	49	..	..	45
Malawi	..	78	85	81	58	46	67	87	46	66	80	..	119	69
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	0	0	0	0	0	0	0	0	0	0	..	0	0
Mauritius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mozambique	..	..	..	..	..	124	140	140	151	221	169	..	..	157
Namibia	..	..	..	..	..	159	163	..	..	0	..	..	..	107
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rwanda	..	0	0	0	0	0	0	0	0	0	0	0	0	0
São Tomé and Príncipe	..	0	0	0	0	0	0	0	0	0	0	..	0	0
Senegal	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Seychelles	..	0	0	0	0	0	0	0	29	29	30	..	0	8
Sierra Leone	..	10	14	13	11	18	29	14	12	12	20	..	..	15
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	4,184	2,274	2,233	2,237	2,653	2,886	2,487	3,507	3,469	3,596	4,545	2,678	1,970	2,920
Sudan	..	154	57	113	117	134	234	190	157	114	208	172	195	142
Swaziland	64	105	117	132	197	283	235	200	223	215	206	41	34	182
Tanzania	..	236	132	116	113	255	381	284	123	207	200	134	232	220
Togo	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	34	48	20	72	80	80	50	54	2	2	..	45	45
Zimbabwe	..	287	300	292	379	404	424	522	476	332	386	39	163	369
NORTH AFRICA	1,106	1,681	1,796	1,601	1,818	1,903	1,432	1,391	1,402	1,368	1,345	930	1,308	1,592
Algeria	606	870	981	942	999	831	539	520	603	607	580	535	652	765
Egypt, Arab Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	501	811	816	659	819	1,072	893	871	799	761	765	395	656	828
Tunisia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ALL AFRICA	5,431	5,564	5,469	5,092	5,984	7,040	6,311	7,045	6,810	6,772	7,830	3,781	4,621	6,331

## 5-42. Primary intermediate goods imports, growth

	Percent											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	17.2	7.3	-16.3	-15.9	20.8	18.8	-10.5	8.3	-5.3	-17.3	6.6	35.9	36.3	0.1
excluding South Africa	17.2	7.3	-16.3	-15.9	20.8	18.8	-10.5	8.3	-5.3	-17.3	6.6	35.9	31.9	0.1
excl. S.Africa & Nigeria	17.2	7.3	-16.3	-15.9	20.8	18.8	-10.5	8.3	-5.3	-17.3	6.6	35.9	31.9	0.1
Angola	..	-28.4	-9.4	-58.0	40.2	10.8	-100.0	..	..	..	..	..	-3.2	-15.8
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cameroon	17.2	-21.1	15.9	-16.5	-19.4	2.6	-8.7	12.6	-7.3	-4.0	1.3	15.3	0.6	-4.0
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	-14.4	-8.3	-25.0	8.5	19.4	-26.5	-7.7	9.4	17.5	-0.2	..	..	-4.1
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	..	-4.2	-5.0	16.6	64.2	-1.4	-46.7	..	..	..	..	..	-12.8	15.2
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Côte d'Ivoire	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Djibouti	..	..	..	..	..	..	-6.6	-2.3	1.9	2.4	1.8	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gabon	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gambia, The	..	51.3	4.7	0.5	-10.8	-8.0	4.2	-13.8	16.9	-9.5	2.3	..	..	1.2
Ghana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	..	9.4	1.6	-17.6	5.1	50.3	-10.8	14.7	38.5	0.5	0.1	..	0.8	7.4
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malawi	..	-59.6	7.3	-5.4	-32.3	-35.3	66.0	45.9	-19.2	-8.9	18.0	..	..	-7.4
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	..	5.2	2.4	10.8	5.1	2.4	4.1	4.5	3.0	4.0	2.5	..	-8.4	5.7
Mozambique	..	..	..	..	..	..	3.7	4.3	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rwanda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	..	-8.1	35.4	-6.4	-14.1	52.7	54.4	-45.4	-8.3	-7.1	64.8	..	..	4.2
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	..	19.4	7.6	12.3	43.6	35.8	-12.7	-8.5	15.8	-2.8	-0.4	..	..	10.3
Tanzania	..	..	..	..	..	..	43.8	..	..	..	..	..	..	..
Togo	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	-32.5	51.0	-52.3	222.6	0.1	-13.5	-37.5	5.1	-95.8	19.6	..	52.5	-19.8
Zimbabwe	..	13.1	3.2	1.1	25.6	0.2	10.4	28.2	-2.9	-28.8	11.6	..	42.1	6.2
NORTH AFRICA	4.3	-5.1	3.7	-22.7	9.4	13.5	-11.2	1.9	21.5	-2.5	-37.2	8.1	-0.7	-1.5
Algeria	..	-10.0	8.0	-13.6	10.1	1.3	-10.8	-10.6	25.6	4.9	..	..	-2.7	-2.2
Egypt, Arab Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	4.3	-2.4	1.4	-27.9	8.9	21.8	-11.4	9.0	19.5	-6.1	-2.8	4.7	0.9	1.4
Tunisia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ALL AFRICA	5.1	0.6	-6.1	-19.7	14.6	16.0	-10.8	5.1	1.8	-9.1	-19.3	4.7	9.5	-0.7

## 5-43. Manufactured goods imports

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	2,016	4,050	4,167	4,129	4,185	5,351	6,285	7,126	6,950	8,099	9,029	1,425	3,094	5,890
excluding South Africa	1,057	3,151	3,284	3,244	3,030	3,974	4,749	4,990	4,837	4,263	4,181	718	2,444	4,022
excl. S. Africa & Nigeria	1,057	3,151	3,284	3,244	3,030	3,974	4,749	4,990	4,837	4,263	4,181	718	2,444	4,022
Angola	..	91	135	72	71	94	343	400	..	..	..	..	154	170
Benin	..	..	..	..	..	..	..	..	..	..	..	206	..	..
Botswana	54	174	175	163	159	177	178	188	198	211	227	59	86	312
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	40	68	55	57	55	62	38	33	35	41	44	46	49	50
Cameroon	605	455	367	378	370	363	398	385	407	424	438	511	569	417
Cape Verde	..	..	..	..	..	..	10	10	12	13	14	..	..	12
Central African Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chad	..	108	127	156	136	92	108	109	82	81	..	..	87	110
Comoros	..	2	2	2	2	2	2	3	3	3	3	0	2	2
Congo, Democratic Rep. of	..	..	60	61	45	52	82	..	..	..	..	..	..	60
Congo, Republic of	0	116	142	141	86	94	118	141	148	156	164	14	128	132
Côte d'Ivoire	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Djibouti	..	..	..	..	..	28	27	26	37	39	40	..	..	33
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	41	63	102	117	177	153	139	..	..	..	..	113
Ethiopia	..	115	113	95	129	183	200	332	321	312	212	117	140	197
Gabon	..	100	103	89	30	32	286	289	388	401	422	..	85	202
Gambia, The	..	79	85	88	79	76	82	73	87	80	84	..	45	79
Ghana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea	..	223	211	196	151	173	159	174	194	215	227	..	140	194
Guinea-Bissau	..	..	..	..	..	..	5	6	2	8	8	..	..	6
Kenya	..	289	291	307	293	487	443	465	413	402	361	186	268	365
Lesotho	..	..	..	..	..	0	0	0	0	0	0	..	..	0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	92	83	89	97	..	..	90
Malawi	..	171	226	214	176	122	169	230	106	160	190	..	29	173
Mali	193	148	156	136	122	150	150	148	159	189	209	174	93	154
Mauritania	..	151	137	133	113	138	200	97	148	86	54	..	101	127
Mauritius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mozambique	..	..	..	..	..	185	229	221	237	348	257	..	..	246
Namibia	..	..	..	..	..	159	164	..	..	0	..	..	..	108
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rwanda	..	128	92	91	23	41	55	71	66	48	43	82	100	69
São Tomé and Príncipe	..	0	0	0	0	0	0	0	0	0	0	..	0	0
Senegal	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Seychelles	..	0	0	0	0	0	0	0	44	63	64	..	0	16
Sierra Leone	..	16	19	15	15	7	15	6	8	6	9	..	..	12
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	959	899	883	884	1,156	1,377	1,536	2,136	2,112	3,836	4,848	707	650	1,868
Sudan	..	175	200	293	255	307	324	353	636	276	333	160	122	293
Swaziland	165	166	169	211	229	321	275	333	318	306	294	91	104	254
Tanzania	..	17	21	12	10	15	17	27	18	15	14	6	7	16
Togo	..	116	102	60	48	80	72	63	75	..	..	67	74	82
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	..	..	..	40	54	55	116	108	103	116	..	..	85
Zimbabwe	..	244	256	212	290	364	369	447	365	189	257	166	184	292
NORTH AFRICA	3,492	3,887	4,151	3,882	4,342	4,740	4,035	3,774	4,108	3,892	3,930	3,057	3,154	4,064
Algeria	2,593	2,045	2,306	2,212	2,347	2,390	1,788	1,564	1,732	1,665	1,681	2,341	2,073	1,996
Egypt, Arab Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	899	1,842	1,846	1,670	1,994	2,350	2,247	2,210	2,376	2,227	2,249	716	1,081	2,068
Tunisia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ALL AFRICA	5,508	7,937	8,318	8,011	8,527	10,091	10,320	10,900	11,058	11,990	12,959	4,482	6,247	9,954

## 5-44. Manufactured goods imports, growth

	Percent											Average annual percentage growth			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR	
SUB-SAHARAN AFRICA	18.5	-5.5	-1.7	6.7	-1.5	21.6	10.2	13.0	-14.7	-5.0	1.4	31.4	10.3	3.7	
excluding South Africa	18.5	-5.5	-1.7	6.7	-1.5	21.6	10.2	13.0	-14.7	-5.0	1.4	31.4	9.6	3.7	
excl. S.Africa & Nigeria	18.5	-5.5	-1.7	6.7	-1.5	21.6	10.2	13.0	-14.7	-5.0	1.4	31.4	9.6	3.7	
Angola	..	-39.4	53.5	-43.9	-5.0	20.5	264.7	29.4	..	..	..	..	-15.4	11.9	
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Burundi	..	9.7	-21.6	1.9	-6.4	4.3	-36.1	-7.9	9.0	15.7	6.1	..	-4.2	-5.3	
Cameroon	16.5	-5.0	-17.1	31.5	-12.3	10.6	2.4	0.8	8.1	2.3	10.0	-3.9	3.5	2.1	
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Central African Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Chad	..	-19.2	19.2	-13.0	27.0	21.5	18.3	-0.6	7.0	3.6	..	..	..	7.0	
Comoros	..	60.8	31.2	-1.4	24.3	3.3	6.7	2.0	2.0	2.0	3.5	..	17.6	10.3	
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Congo, Republic of	..	-1.9	-16.5	32.2	10.9	-1.1	35.9	35.9	-31.0	8.5	4.6	..	4.7	6.7	
Côte d'Ivoire	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Djibouti	..	..	..	..	..	..	-7.3	-4.5	33.9	2.4	-0.1	..	..	..	
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Ethiopia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Gabon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Gambia, The	..	51.3	4.7	0.5	-10.8	-8.0	4.2	-13.8	16.9	-9.5	2.3	..	..	1.2	
Ghana	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Guinea	..	2.1	-8.6	-2.0	-25.6	3.2	-7.5	8.1	9.4	7.9	2.9	..	2.8	-1.7	
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Kenya	..	17.1	-1.5	9.6	-7.7	86.9	-12.3	0.5	-9.8	-2.1	-0.1	..	1.3	5.5	
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Madagascar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Malawi	..	187.3	29.2	-3.9	-18.3	-42.3	60.6	48.2	-18.4	-8.9	17.0	..	..	9.0	
Mali	4.5	18.6	4.7	-5.0	-13.6	10.2	3.5	4.7	3.8	18.4	8.4	4.6	0.0	3.8	
Mauritania	..	6.4	-13.4	-2.2	-6.3	-20.3	-3.8	0.8	26.6	-23.3	-50.5	..	-2.7	-7.1	
Mauritius	..	6.1	3.7	13.1	5.0	2.5	5.6	4.5	3.0	4.0	2.5	..	3.3	5.3	
Mozambique	..	..	..	..	..	..	13.5	-3.3	..	..	..	..	..	..	
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Nigeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rwanda	..	-19.8	3.9	-6.3	3.3	62.1	36.6	39.3	-5.3	-25.5	-4.1	..	-0.3	9.3	
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Senegal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Sierra Leone	..	-15.7	12.0	-14.2	-2.4	-59.6	120.8	-54.9	47.5	-33.2	43.4	..	..	-10.4	
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
South Africa	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Swaziland	..	-8.0	-1.7	24.0	4.9	32.1	-9.9	30.2	-0.8	-2.8	-0.4	..	..	8.1	
Tanzania	..	..	..	..	..	..	-29.3	..	..	..	..	..	..	..	
Togo	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Zambia	..	..	..	..	..	54.3	55.7	130.3	-0.1	-9.4	9.5	..	..	-6.8	
Zimbabwe	..	13.1	3.2	-13.7	32.5	18.1	6.4	26.2	-13.1	-47.0	39.4	..	-2.9	4.3	
NORTH AFRICA	-2.7	-4.2	2.5	-11.7	10.5	5.0	-5.6	-3.5	7.7	0.5	-44.2	6.6	-6.9	-2.6	
Algeria	..	-10.0	8.1	-13.6	6.7	1.3	-11.1	-10.6	5.5	5.8	..	..	-12.3	-3.8	
Egypt, Arab Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Morocco	-2.7	3.4	-3.9	-9.3	15.2	9.2	0.2	3.2	9.6	-3.7	3.7	-1.2	8.0	3.2	
Tunisia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
ALL AFRICA	7.2	-4.9	0.4	-2.7	4.1	13.4	3.0	6.1	-6.2	-2.6	-19.1	12.7	-0.3	0.9	

## 5-45. Capital goods imports

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	3,066	7,919	8,560	7,557	7,642	10,051	11,182	10,374	9,958	21,063	24,779	1,851	6,249	11,548
excluding South Africa	3,066	7,919	8,560	7,557	7,642	10,051	11,182	10,374	9,958	9,233	9,827	1,851	6,249	9,113
excl. S Africa & Nigeria	3,066	7,919	8,560	7,557	7,642	10,051	11,182	10,374	9,958	9,233	9,827	1,851	6,249	9,113
Angola	..	269	378	322	327	327	303	354	..	..	..	..	263	314
Benin	..	182	215	207	156	246	249	239	253	234	247	..	120	217
Botswana	195	642	536	542	485	657	523	502	487	500	584	197	348	557
Burkina Faso	..	111	131	0	0	151	169	155	196	..	..	..	..	116
Burundi	33	91	78	78	81	88	49	45	49	52	59	45	67	68
Cameroon	388	392	319	325	314	315	362	399	403	407	412	359	480	373
Cape Verde	0	65	98	71	98	121	114	117	95	99	106	0	29	94
Central African Republic	..	60	64	53	43	63	14	20	54	62	82	73	67	52
Chad	..	100	97	125	124	126	149	158	174	154	..	52	67	129
Comoros	..	..	..	..	..	..	..	13	11	14	15	..	..	13
Congo, Democratic Rep. of	..	..	683	464	553	788	862	..	..	..	..	..	..	670
Congo, Republic of	0	180	188	203	113	336	1,105	510	371	321	525	20	249	372
Côte d'Ivoire	1,102	404	481	417	410	584	734	740	773	801	762	663	512	591
Djibouti	..	..	..	..	..	54	53	54	77	81	96	..	..	69
Equatorial Guinea	..	60	26	24	42	64	192	300	384	205	108	10	15	129
Eritrea	..	..	12	62	114	173	162	161	140	..	..	..	..	118
Ethiopia	..	466	320	382	239	334	411	516	582	643	755	449	396	453
Gabon	..	360	335	320	320	339	355	388	343	311	327	188	245	341
Gambia, The	..	1	3	3	3	14	13	12	14	13	14	..	4	8
Ghana	..	247	277	..	..	..	..	..	..	..	..	200	171	250
Guinea	..	101	98	92	72	88	78	83	85	106	120	..	62	93
Guinea-Bissau	..	15	24	14	15	15	10	18	26	-10	4	12	13	14
Kenya	409	527	411	328	503	995	869	844	894	680	721	287	455	677
Lesotho	..	..	..	..	..	0	0	0	0	0	0	..	..	0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	333	165	129	140	143	141	164	146	149	154	168	160	109	153
Malawi	..	280	278	272	199	164	259	326	250	305	166	..	91	247
Mali	225	188	201	182	193	246	226	221	231	252	257	214	146	217
Mauritania	..	78	121	114	73	93	72	79	64	59	78	85	115	83
Mauritius	98	384	378	381	529	412	493	548	498	653	465	69	241	470
Mozambique	..	..	..	..	..	166	170	154	166	243	410	..	..	218
Namibia	..	..	..	..	..	..	..	..	..	..	639	..	..	639
Niger	..	102	85	80	67	87	56	68	87	..	..	..	107	87
Nigeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rwanda	..	54	69	72	36	50	54	62	60	55	53	50	84	57
São Tomé and Príncipe	..	13	9	11	12	12	7	7	8	12	10	1	10	10
Senegal	158	197	175	159	154	180	186	184	221	234	246	137	141	194
Seychelles	..	40	40	60	48	67	166	75	90	91	96	16	35	75
Sierra Leone	..	38	25	23	27	11	24	12	9	5	18	54	40	20
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	..	11,830	14,952	..	..	13,391
Sudan	..	348	355	336	259	322	387	443	541	490	492	348	266	389
Swaziland	126	170	193	172	213	249	284	286	280	269	259	95	107	232
Tanzania	..	579	639	628	597	602	461	503	733	710	770	458	472	615
Togo	..	113	102	58	41	75	105	101	97	..	..	51	95	92
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	285	349	328	296	396	361	388	284	253	284	118	243	324
Zimbabwe	..	611	640	508	743	901	930	1,148	784	773	480	345	440	733
NORTH AFRICA	4,871	8,411	8,101	7,841	7,905	9,775	10,634	10,607	12,193	13,795	13,198	4,580	5,295	10,157
Algeria	3,324	1,888	1,894	1,835	2,118	2,934	3,023	2,831	2,907	3,155	2,983	3,054	2,444	2,605
Egypt, Arab Republic	..	3,340	2,610	2,545	2,349	3,108	4,101	4,114	4,801	5,575	5,639	..	2,001	3,757
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	806	1,880	2,019	1,946	2,003	2,186	1,948	1,939	2,567	2,833	2,388	808	1,009	2,144
Tunisia	742	1,304	1,578	1,515	1,434	1,547	1,562	1,724	1,918	2,233	2,099	719	642	1,650
ALL AFRICA	7,938	16,330	16,661	15,398	15,547	19,826	21,816	20,981	22,150	34,858	37,887	6,431	11,544	21,704



## 5-46. Capital goods imports, growth

	Percent										Average annual percentage growth			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	39.2	11.3	-7.0	-5.8	5.3	23.1	13.2	4.3	-6.1	0.3	-0.4	25.9	13.3	4.2
excluding South Africa	39.2	11.3	-7.0	-5.8	5.3	23.1	13.2	4.3	-6.1	0.3	-0.4	25.9	13.3	4.2
excl. S. Africa & Nigeria	39.2	11.3	-7.0	-5.8	5.3	23.1	13.2	4.3	-6.1	0.3	-0.4	25.9	13.3	4.2
Angola	..	16.2	45.1	-10.5	-1.7	-9.0	-7.3	29.4	..	..	..	..	-19.2	6.3
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	8.9	-16.8	6.9	0.2	-3.3	-42.7	2.8	12.0	7.0	10.9	..	-3.0	-4.7
Cameroon	-7.4	12.2	-1.9	2.3	-15.3	13.2	21.9	6.3	6.0	4.0	45.0	-5.6	8.2	6.1
Cape Verde	..	24.4	49.3	-27.7	36.1	21.4	-8.3	0.1	-21.2	4.3	5.8	..	..	5.2
Central African Republic	..	-1.0	2.9	-17.2	-21.1	34.1	-79.1	47.6	162.6	11.9	28.5	..	..	-4.6
Chad	..	-19.2	-7.0	-8.0	-2.0	29.6	18.9	5.9	0.4	1.1	..	..	..	2.3
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	-1.9	-16.5	32.2	10.9	-1.1	199.4	-58.4	19.1	2.6	1.2	..	7.6	7.9
Côte d'Ivoire	..	2.5	52.6	-13.5	-2.6	29.4	23.7	8.5	7.5	8.0	6.5	..	..	10.4
Djibouti	..	..	..	..	..	..	-4.9	-2.5	37.1	3.0	14.6	..	..	..
Equatorial Guinea	..	194.2	-58.9	-4.3	67.5	39.0	189.2	62.3	22.4	-48.3	-48.7	..	3.3	26.4
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gabon	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gambia, The	..	-43.2	177.2	-10.8	24.4	322.4	-11.8	-12.6	15.1	-8.5	2.2	..	..	20.3
Ghana	..	7.5	7.2	14.7	6.0	9.1	24.8	-17.1	13.8	9.8	7.6	..	-3.1	8.0
Guinea	..	2.2	-6.7	-0.5	-24.3	9.4	5.2	7.2	23.5	21.2	11.1	..	1.9	3.6
Guinea-Bissau	..	-35.9	58.5	-40.9	26.2	13.8	-37.4	74.0	38.2	-138.9	-140.2	..	..	-6.3
Kenya	..	-19.2	-23.4	-15.9	50.3	102.4	-12.6	-2.9	8.9	-2.0	1.1	..	-3.7	9.1
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	-9.8	-25.4	13.9	-2.1	-9.9	20.1	-3.3	2.8	5.5	10.6	..	3.4	0.6
Malawi	..	101.3	-5.4	-1.8	-28.7	-20.4	59.8	29.5	-8.1	1.6	-46.6	..	..	3.2
Mali	3.0	0.7	3.0	-5.0	2.2	15.5	-8.0	8.9	8.7	9.0	0.1	-1.1	3.2	3.6
Mauritania	..	-13.8	48.8	-4.9	-31.0	46.9	-26.3	-15.9	-0.1	-24.0	56.5	..	-14.3	-3.1
Mauritius	..	-4.5	-4.0	6.7	4.0	-20.0	7.0	7.0	3.0	5.5	4.7	..	19.8	1.2
Mozambique	..	..	..	..	..	..	-14.2	-9.6	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rwanda	..	-10.2	3.9	-6.3	3.3	25.8	11.5	23.3	-0.8	6.1	1.6	..	6.4	6.7
São Tomé and Príncipe	..	12.6	-32.4	20.8	3.9	-6.4	-38.0	0.2	51.7	12.5	-19.0	..	18.8	-4.8
Senegal	..	-0.8	-15.2	-8.7	-6.8	8.4	8.4	3.6	22.8	8.7	7.6	..	4.3	2.0
Seychelles	..	-9.4	8.8	52.2	-12.7	32.7	125.5	-46.4	25.0	2.0	2.0	..	23.4	12.6
Sierra Leone	..	16.2	-35.1	-3.2	16.1	-61.4	106.6	-47.0	-21.1	-46.8	273.4	..	..	-13.3
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	20.1	..
Swaziland	..	-8.0	9.3	-11.9	19.8	10.4	19.9	8.3	1.7	-2.8	-0.4	..	..	6.2
Tanzania	..	..	..	..	..	..	-22.7	..	..	..	..	..	..	..
Togo	..	..	..	..	..	..	..	..	..	..	..	..	6.7	..
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	-19.4	17.4	-5.8	-13.0	23.7	-4.8	13.1	-23.9	-11.3	15.3	..	16.6	-2.2
Zimbabwe	..	13.1	3.2	-17.3	41.4	14.0	8.5	28.5	-27.2	0.8	-36.2	..	3.4	4.3
<b>NORTH AFRICA</b>	-13.0	-12.0	-12.2	-1.8	-6.5	10.6	13.5	5.6	23.8	12.5	-36.0	8.6	-3.3	2.4
Algeria	..	-35.2	-13.1	-10.5	7.6	7.0	8.9	-1.0	25.3	-1.0	..	..	-20.6	0.3
Egypt, Arab Republic	..	3.0	-24.1	-4.7	-9.6	26.2	31.5	6.6	23.4	18.4	2.9	..	..	7.9
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	-13.0	-1.9	3.0	-3.4	-0.7	1.1	-6.6	4.4	35.0	13.4	-13.4	-2.0	6.8	3.4
Tunisia	..	3.4	9.1	20.7	-23.7	-4.2	-1.0	17.1	10.3	17.2	..	..	-13.2	3.6
<b>ALL AFRICA</b>	6.0	-4.1	-10.1	-3.5	-1.8	15.9	13.4	5.0	10.4	7.9	-23.4	13.0	2.3	3.4

## 5-47. Direction of trade matrix, imports, 1990

Exporters		Importers																Percentage of total imports							
		DZA	AGO	BEN	BFA	BWA	BDI	CMR	CPV	CAF	TCD	COM	ZAR	COG	CIV	DJI	EGY	GNQ	ERI	ETH	GAB				
Algeria	DZA	**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	..	0.13	0.00	..	0.00	0.80				
Angola	AGO	0.00	**	..	..	..	0.00	0.00	0.49	..	..	0.00	0.00	0.33	0.38	..	0.00	..	..	..	0.00				
Benin	BEN	0.00	0.00	**	0.29	..	0.00	0.00	0.00	0.00	..	..	0.00	0.01	0.25	0.00	0.00	..	..	0.00	0.01				
Burkina Faso	BFA	0.00	..	1.22	**	..	..	0.22	0.00	0.00	0.00	0.00	0.00	0.00	2.59	..	0.00	..	..	0.00	0.00				
Botswana	BWA	..	..	..	..	**	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
Burundi	BDI	0.00	..	0.00	..	0.00	**	0.00	0.00	..	..	..	0.08	0.00	0.00	0.94	0.00	..	..	0.00	..				
Cameroon	CMR	0.00	0.02	1.21	0.00	0.00	0.00	**	0.00	0.15	0.64	0.00	0.00	0.03	0.21	0.03	0.00	0.08	..	0.00	0.08				
Cape Verde	CPV	0.00	0.03	..	0.00	..	..	0.00	**	0.00	0.00	0.00	0.00	0.00	0.11	..	0.00	..	..	0.00	0.00				
Central African Republic	CAF	0.00	0.00	0.00	0.00	..	0.00	1.55	0.00	**	0.03	..	0.06	0.00	0.02	..	0.00	..	..	0.24	0.00				
Chad	TCD	0.00	..	0.00	0.00	..	0.00	0.28	0.00	0.18	**	..	0.00	0.00	0.03	..	0.00	..	..	0.00	0.00				
Comoros	COM	0.00	..	..	..	0.00	..	0.00	0.00	..	..	**	0.00	..	0.00	0.00	0.00	..	..	0.00	0.00				
Congo, Dem. Rep. of	ZAR	0.00	0.00	0.00	..	..	1.94	0.09	0.00	0.00	0.00	0.00	**	0.33	0.97	0.00	0.00	..	..	0.00	0.00				
Congo, Republic of	COG	0.00	0.02	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	**	0.03	0.00	0.00	0.00	..	0.00	0.00				
Cote d'Ivoire	CIV	0.00	0.29	5.14	1.32	0.02	0.00	0.15	0.00	0.01	0.03	0.00	0.01	0.01	**	0.01	0.00	0.00	..	0.00	0.07				
Djibouti	DJI	0.00	..	..	..	..	0.00	0.00	..	0.00	..	0.00	0.00	0.00	0.00	**	0.01	..	..	6.16	..				
Egypt	EGY	0.07	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.52	0.00	0.01	0.00	**	0.00	..	0.01	0.00				
Equatorial Guinea	GNQ	0.00	..	0.00	..	..	..	1.76	..	..	0.00	..	..	0.00	0.01	..	0.00	**	..	..	0.00				
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**	..	..				
Ethiopia	ETH	0.00	0.00	0.00	..	..	0.00	0.00	..	0.00	0.00	..	0.00	0.00	0.00	21.67	0.03	..	..	**	..				
Gabon	GAB	0.00	0.00	0.05	0.00	0.00	..	1.49	0.00	0.00	0.00	..	0.03	0.00	0.27	..	0.00	0.00	..	..	**				
Gambia, The	GMB	0.00	..	0.00	0.00	0.00	..	0.00	0.00	..	..	..	..	..	0.40	..	0.00	0.00	..	0.00	0.00				
Ghana	GHA	0.00	0.00	0.25	0.33	0.00	..	0.02	0.00	..	0.00	0.00	0.01	0.00	3.11	..	0.00	0.00	..	0.00	0.00				
Guinea	GIN	0.00	0.00	0.00	0.00	..	..	0.09	0.00	..	..	..	0.00	0.00	1.85	..	0.00	..	..	0.00	0.00				
Guinea-Bissau	GNB	0.00	0.00	0.00	..	..	..	0.00	2.52	0.00	..	..	..	0.00	0.24	..	0.00	..	..	..	..				
Kenya	KEN	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.01	0.00				
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
Liberia	LBR	0.00	0.00	0.02	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	..	0.00	0.00	..	0.00	0.00				
Libya	LBY	0.05	0.00	0.01	0.05	0.00	0.00	0.00	..	0.00	0.00	..	0.06	0.00	0.00	0.00	0.72	0.00	..	0.00	0.00				
Madagascar	MDG	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.08	0.00	0.00	0.09	0.00	0.00	..	..	0.00	0.00				
Malawi	MWI	0.00	0.00	..	..	1.07	0.00	0.00	..	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	..	..	0.00	0.00				
Mali	MLI	0.00	..	0.00	0.60	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	4.03	..	0.00	0.00	..	0.00	0.00				
Mauritania	MRT	0.14	..	0.00	0.00	..	0.01	0.00	0.01	0.00	..	..	0.00	0.00	0.03	..	0.00	0.00	..	0.00	0.02				
Mauritius	MUS	0.00	0.00	0.00	0.14	0.15	0.00	0.00	0.00	0.13	0.00	0.14	0.03	0.00	0.73	0.00	0.04	..	..	0.00	0.00				
Morocco	MAR	0.28	0.00	0.00	0.00	0.00	0.00	1.01	0.00	58.77	0.00	0.00	0.00	0.00	0.54	0.00	0.78	0.00	..	0.00	1.86				
Mozambique	MOZ	0.00	0.00	..	0.00	..	0.00	0.01	0.00	0.00	..	..	0.00	0.00	0.86	..	0.00	..	..	0.00	0.00				
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
Niger	NER	0.00	..	1.51	0.68	..	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	1.18	..	0.00	0.00	..	0.00	0.00				
Nigeria	NGA	0.00	0.01	0.45	0.06	0.00	0.00	0.02	0.00	0.00	0.52	0.09	0.00	0.00	0.14	0.00	0.02	0.00	..	0.01	0.01				
Reunion	REU	0.00	0.00	0.00	..	3.79	..	0.00	..	0.00	..	0.00	0.00	0.39	0.00	..	0.00	..	..	0.00	0.00				
Rwanda	RWA	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00	..	0.12	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00				
Sao Tome and Principe	STP	0.00	0.00	..	..	..	..	0.00	0.00	..	..	..	0.00	0.00	0.00	..	0.00	..	..	0.00	0.00				
Senegal	SEN	0.00	0.01	0.11	0.02	0.00	0.00	3.13	0.03	0.00	0.00	0.00	0.00	0.02	2.13	0.00	0.00	0.00	..	0.01	1.43				
Seychelles	SYC	0.00	0.00	..	0.00	0.01	..	0.00	..	..	..	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.00	..				
Sierra Leone	SLE	0.00	..	0.00	0.00	0.00	0.00	0.00	..	0.00	..	..	0.00	0.00	0.23	0.00	0.00	..	..	0.00	0.00				
Somalia	SOM	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	0.00	..	0.00	0.00	0.00	35.60	0.00	..	..	0.00	0.00				
South Africa	ZAF	0.00	0.00	..	..	0.00	..	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.41	..	0.00	..	..	0.00	0.00				
Sudan	SDN	0.00	0.00	0.00	..	..	0.00	0.00	..	0.00	0.11	..	0.00	0.00	0.03	0.00	0.42	..	..	0.07	0.00				
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
Tanzania	TZA	0.00	0.00	..	..	0.15	0.03	0.00	0.00	..	..	0.00	0.03	0.00	0.00	0.00	0.01	..	..	0.02	0.00				
Togo	TGO	0.00	0.09	5.43	1.36	..	..	0.02	..	0.00	0.00	0.00	0.00	0.00	1.38	..	0.00	..	..	..	0.21				
Tunisia	TUN	0.69	0.00	0.08	9.84	0.28	0.51	0.15	0.00	0.20	0.00	0.00	0.07	0.07	0.38	0.00	0.62	1.59	..	0.04	0.16				
Uganda	UGA	0.00	..	..	..	..	0.62	0.00	..	..	..	..	0.00	0.00	0.00	..	0.00	..	..	0.00	..				
Zambia	ZMB	0.15	0.00	0.00	0.00	1.93	0.03	0.00	..	0.00	0.00	..	0.44	0.00	0.00	..	0.00	..	..	0.00	0.00				
Zimbabwe	ZWE	0.02	0.00	..	0.04	19.32	0.76	0.01	0.00	0.00	..	0.00	4.47	0.00	0.12	0.01	0.00	..	..	0.02	0.00				
Sub-Saharan Africa	SSA	0.31	0.47	15.59	4.83	26.44	4.72	8.86	1.94	0.47	1.33	0.31	5.36	1.12	22.29	58.27	0.55	0.06	..	6.56	1.83				
European Community	EEC	67.30	36.16	52.39	59.14	28.92	77.31	76.69	93.96	35.00	73.88	76.47	68.34	59.63	61.28	7.60	56.76	93.03	..	44.87	45.59				
North America	NNA	21.43	51.87	20.52	0.84	4.30	6.73	7.36	1.86	0.72	1.33	19.06	16.85	34.25	7.20	0.00	8.20	0.00	..	12.33	29.40				
Rest of World	ROW	10.95	11.50	11.50	35.18	40.34	11.25	7.10	1.15	63.82	23.46	4.16	9.45	5.00	9.24	34.13	34.49	6.89	..	36.25	23.18				
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00				

Source: International Monetary Fund's Direction of Trade database.

(Table continues on the following page)

Note: \*\* means "not applicable."

## 5-47. Direction of trade matrix, imports, 1990 (continued)

Exporters		Importers				Percentage of total imports															
		GMB	GHA	GIN	GNB	KEN	LSO	LBR	LBV	MDG	MWI	MLI	MRT	MUS	MAR	MOZ	NAM	NER	NGA	REU	RWA
Algeria	DZA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	..	0.00	0.00	0.00	0.00
Angola	AGO	..	0.00	0.00	0.00	0.43	..	0.00	0.00	0.00	0.01	..	0.00	0.00	0.00	0.03	..	..	0.00	0.00	..
Benin	BEN	0.00	1.22	0.00	..	0.00	..	0.00	0.00	0.00	0.02	0.00	0.17	0.00	0.11	..	..	0.38	0.14	..	0.00
Burkina Faso	BFA	..	0.34	0.00	..	0.00	..	0.00	0.00	0.00	..	0.52	0.00	0.00	0.00	..	..	0.32	0.08	0.00	0.00
Botswana	BWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	BDI	..	..	..	..	0.40	..	0.00	0.00	0.00	0.36	..	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.27
Cameroon	CMR	0.00	0.00	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.11	0.13	0.00	..	0.00	0.04	0.00	0.00
Cape Verde	CPV	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..
Central African Republic	CAF	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.97	0.00	0.00	..	0.00
Chad	TCF	..	..	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	0.00	0.19	..	0.00
Comoros	COM	..	..	..	..	0.00	..	..	..	0.60	..	..	..	0.15	0.00	..	..	0.00	0.00	0.86	..
Congo, Dem. Rep. of	ZAR	0.00	0.00	0.00	..	1.14	..	0.00	0.00	0.00	0.32	0.00	0.01	0.01	0.27	0.00	..	0.00	0.25	0.02	0.32
Congo, Republic of	COG	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.08	0.39	..	0.00	0.00	0.00	0.00
Cote d'Ivoire	CIV	0.01	0.39	0.50	2.92	0.09	..	0.01	0.04	0.00	0.04	4.39	4.64	0.00	0.08	0.09	..	0.86	3.33	0.00	0.00
Djibouti	DJI	..	0.00	0.00	..	0.06	..	..	..	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	..	0.00	0.00
Egypt	EGY	0.00	0.02	0.03	0.00	1.56	0.00	0.00	0.10	0.00	0.93	0.00	0.04	0.00	0.02	0.00	..	0.06	0.00	0.00	0.00
Equatorial Guinea	GNQ	..	..	..	..	0.00	..	0.00	..	0.00	..	..	0.03	..	0.00	..	..	0.00	0.00	..	..
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	ETH	0.00	0.00	..	0.00	1.29	..	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00
Gabon	GAB	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.16	0.01	..	0.00	0.00	0.00	0.00
Gambia, The	GMB	**	0.01	0.06	0.16	0.00	..	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	..	0.00	0.00	..	..
Ghana	GHA	0.50	**	0.02	..	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	..	0.00	1.71	0.00	0.00
Guinea	GIN	0.00	0.00	**	0.10	0.00	..	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	..	0.00	0.05	..	0.00
Guinea-Bissau	GNB	0.14	0.00	0.02	**	0.00	..	0.00	..	..	0.00	0.00	0.00	..	0.00	0.04	..	0.00	0.00	0.00	..
Kenya	KEN	0.00	0.00	0.00	0.00	**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.35
Lesotho	LSO	..	..	..	..	**	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	LBR	0.00	0.00	0.00	0.00	0.00	0.00	**	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
Libya	LBV	0.00	0.05	0.05	..	0.00	0.00	0.00	**	0.33	0.00	0.00	0.00	0.00	2.21	0.00	..	0.86	0.00	..	0.00
Madagascar	MDG	..	0.00	..	..	0.20	..	0.00	0.00	**	0.00	0.00	0.00	0.39	0.00	0.18	..	0.00	0.00	1.84	0.00
Malawi	MWI	0.00	0.00	..	0.00	0.27	0.31	0.00	0.00	0.00	**	..	0.00	0.02	0.00	0.55	0.03	0.00	0.00	0.00	0.00
Mali	MLI	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.02	0.00	**	0.03	0.00	0.03	..	..	0.04	0.00	0.00	0.00
Mauritania	MRT	0.02	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.06	0.00	**	0.00	0.04	0.00	..	0.01	0.00	..	0.00
Mauritius	MUS	0.00	0.00	0.00	..	1.25	0.05	0.00	0.00	2.74	0.12	0.00	..	**	0.03	0.01	..	0.00	0.00	0.42	0.00
Morocco	MAR	0.00	0.00	0.00	0.00	0.00	..	0.00	1.03	0.00	0.00	4.09	0.00	0.00	**	0.00	..	0.00	0.00	0.00	0.00
Mozambique	MOZ	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	1.48	0.55	..	0.00	0.00	0.00	**	..	0.00	0.00	0.00	0.00
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**	..	..	..	..
Niger	NER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	..	**	0.03	0.00	0.00
Nigeria	NGA	0.07	0.05	0.01	0.41	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	2.81	**	0.00	0.06
Reunion	REU	..	0.00	..	..	1.07	..	..	..	4.64	0.00	0.00	..	1.59	0.00	0.00	0.80	0.00	0.00	**	0.00
Rwanda	RWA	..	0.00	0.00	0.00	3.27	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	..	**
Sao Tome and Principe	STP	..	0.00	..	0.00	0.00	..	..	..	..	..	..	..	0.00	0.00	0.00	..	..	0.00	0.00	..
Senegal	SEN	0.13	0.00	0.12	0.49	0.00	..	0.12	0.00	0.00	0.09	1.01	0.00	0.00	0.07	0.00	0.00	0.11	0.65	0.00	0.00
Seychelles	SYC	..	0.00	0.00	0.00	0.26	..	0.00	..	0.01	0.01	0.00	..	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sierra Leone	SLE	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.13	0.00	..	0.00	0.00	0.00	..	0.00	0.27	..	..
Somalia	SOM	0.00	0.00	0.00	..	1.23	0.00	0.00	0.00	0.25	0.01	0.00	0.00	0.00	0.00	0.09	..	0.00	0.00	0.00	0.00
South Africa	ZAF	0.00	0.00	0.00	0.00	0.06	..	0.00	0.00	0.00	8.55	0.00	..	0.52	0.00	1.08	..	0.00	0.00	0.32	..
Sudan	SDN	0.00	0.00	..	..	1.15	0.00	..	1.33	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.00
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	TZA	0.00	0.00	..	..	1.23	0.01	0.00	0.00	0.14	0.19	..	0.00	0.00	0.00	0.09	..	0.00	0.01	0.01	0.03
Togo	TGO	0.00	0.58	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.02	0.00	..	0.28	0.09	0.00	0.00
Tunisia	TUN	2.18	0.02	0.00	0.31	0.06	1.73	0.02	0.24	0.47	0.37	4.48	0.08	0.79	1.04	0.09	..	0.02	0.00	0.08	0.00
Uganda	UGA	..	0.00	..	..	14.24	..	0.00	0.00	0.00	0.01	..	..	0.00	0.00	0.00	..	..	0.00	0.00	0.65
Zambia	ZMB	0.00	0.00	0.00	..	0.30	0.34	0.00	0.00	15.30	1.26	0.00	0.00	0.00	0.00	0.01	0.09	0.00	0.00	..	0.00
Zimbabwe	ZWE	0.00	0.00	0.00	0.00	0.86	1.26	0.00	0.00	0.00	1.43	0.00	0.00	0.43	0.00	0.17	0.03	0.08	0.00	0.07	0.00
Sub-Saharan Africa	SSA	9.84	2.79	8.45	4.06	28.94	2.00	0.29	1.37	25.20	13.27	6.96	7.61	1.54	1.23	2.40	1.91	4.88	6.40	3.54	1.68
European Community	EEC	54.91	65.95	56.91	55.56	46.97	25.77	41.22	81.92	46.40	46.76	36.87	53.32	78.30	71.42	22.20	37.39	75.89	41.31	89.57	62.88
North America	NNA	0.04	13.95	23.12	0.27	5.17	59.47	2.59	0.00	10.12	15.93	5.45	4.49	13.11	2.83	7.71	8.43	17.36	47.74	0.89	22.89
Rest of World	ROW	44.17	17.51	11.52	40.10	18.93	12.76	55.99	16.70	18.27	24.05	51.62	34.57	5.05	24.53	67.19	52.26	1.87	4.05	6.00	12.55
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Source: International Monetary Fund's Direction of Trade database.

(Table continues on the following page)

Note: \*\* means "not applicable."

## 5-47. Direction of trade matrix, imports, 1990 (continued)

Exporters		Importers					Percentage of total imports														SSA	EEC	NNA	ROW	World
		STP	SEN	SYC	SLE	SOM	ZAF	SDN	SWZ	TZA	TGO	TUN	UGA	ZMB	ZWE										
Algeria	DZA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.00	0.00	0.00	0.28	0.42	0.27	0.13	0.28					
Angola	AGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.06	0.83	0.06	0.08	0.03	0.02	0.05						
Benin	BEN	..	0.83	..	0.00	..	0.00	..	0.00	0.00	4.42	0.00	0.00	0.00	0.00	0.12	0.01	0.00	0.01	0.01					
Burkina Faso	BFA	..	1.51	..	0.00	0.00	..	..	..	..	6.19	0.00	..	0.00	0.00	0.22	0.02	0.01	0.01	0.02					
Botswana	BWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
Burundi	BDI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.46	0.39	0.04	0.01	0.00	0.01	0.01						
Cameroon	CMR	0.00	3.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.40	0.00	0.00	0.09	0.20	0.07	0.02	0.02	0.04					
Cape Verde	CPV	0.00	0.02	..	0.00	..	0.00	..	0.00	0.30	0.00	..	..	0.00	0.01	0.01	0.00	0.00	0.00	0.00					
Central African Republic	CAF	..	0.04	..	0.00	..	0.00	0.01	..	0.00	0.00	..	0.00	0.00	0.07	0.01	0.00	0.00	0.01	0.01					
Chad	TCD	..	0.03	..	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00	0.06	0.01	0.00	0.00	0.00	0.00					
Comoros	COM	..	0.00	0.00	..	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00					
Congo, Dem. Rep. of	ZAR	..	0.08	..	0.00	0.00	0.17	0.00	..	0.16	0.00	0.00	0.00	0.50	0.52	0.24	0.05	0.02	0.02	0.04					
Congo, Republic of	COG	0.00	0.76	0.00	0.00	0.00	0.02	0.00	0.05	0.00	0.26	0.00	0.00	0.00	0.11	0.04	0.03	0.01	0.01	0.02					
Cote d'Ivoire	CIV	0.00	2.73	0.00	3.46	0.00	0.07	0.00	0.44	0.00	0.16	0.20	0.00	0.00	0.71	0.98	0.07	0.02	0.02	0.06					
Djibouti	DJI	..	0.00	0.00	..	0.25	0.00	0.00	..	0.13	..	0.00	..	0.00	0.00	0.04	0.01	0.00	0.01	0.01					
Egypt	EGY	0.00	0.05	0.00	0.00	0.37	0.00	5.97	0.27	2.05	0.00	0.12	1.69	0.00	0.99	0.20	0.27	0.25	0.26	0.26					
Equatorial Guinea	GNQ	..	0.00	..	0.00	..	..	..	..	..	..	0.06	..	0.00	0.07	0.00	0.00	0.00	0.00	0.00					
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
Ethiopia	ETH	..	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.09	0.06	0.04	0.01	0.03	0.03					
Gabon	GAB	0.00	0.32	..	0.00	0.00	0.00	..	0.03	..	0.26	0.01	..	0.00	0.01	0.09	0.04	0.01	0.01	0.02					
Gambia, The	GMB	..	0.86	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	..	0.00	0.00	0.03	0.01	0.00	0.01	0.01					
Ghana	GHA	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.25	0.00	0.00	0.08	0.58	0.05	0.03	0.02	0.01					
Guinea	GIN	..	0.69	0.00	0.00	0.20	0.00	..	..	..	1.43	0.02	..	0.00	0.00	0.13	0.02	0.01	0.01	0.01					
Guinea-Bissau	GNB	0.00	0.36	..	..	0.00	0.00	..	0.00	..	0.00	0.11	..	0.00	0.00	0.02	0.01	0.00	0.00	0.00					
Kenya	KEN	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	2.20	0.00	0.00	0.00	0.66	1.16	0.07	0.06	0.03	0.06	0.06					
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
Liberia	LBR	0.00	0.07	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.01	0.00	0.00	0.00	0.04	0.10	0.01	0.19	0.12					
Libya	LBY	..	0.00	..	0.00	0.02	0.00	0.26	..	0.00	0.00	3.29	0.00	0.00	0.00	0.47	0.25	0.02	0.11	0.16					
Madagascar	MDG	..	0.01	0.00	..	0.00	0.00	0.00	..	0.04	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.02	0.02					
Malawi	MWI	..	0.00	0.00	0.00	0.00	1.17	0.00	0.54	0.34	0.00	0.00	0.00	1.25	3.55	0.41	0.02	0.00	0.01	0.02					
Mali	MLI	..	8.29	0.00	0.00	0.00	0.00	0.00	..	0.00	0.28	0.00	0.00	0.00	0.00	0.32	0.02	0.00	0.01	0.02					
Mauritania	MRT	..	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.06	..	0.00	0.00	0.04	0.02	0.00	0.01	0.01					
Mauritius	MUS	0.00	0.00	0.10	0.00	0.00	0.93	0.03	0.40	0.10	0.00	0.00	0.00	0.00	0.17	0.33	0.04	0.01	0.05	0.05					
Morocco	MAR	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.82	0.27	0.11	0.20	0.22					
Mozambique	MOZ	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.01	4.04	0.16	0.03	0.01	0.02	0.03					
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
Niger	NER	..	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.01	0.00	0.00	0.03	0.08	0.01	0.00	0.01	0.01					
Nigeria	NGA	0.01	0.16	0.00	0.01	0.00	0.00	0.02	0.06	0.00	0.38	0.02	0.00	0.00	0.01	0.05	0.17	0.07	0.09	0.12					
Reunion	REU	..	0.00	0.00	..	0.00	0.27	..	0.00	0.00	..	0.00	0.00	..	0.00	0.19	0.11	0.00	0.02	0.06					
Rwanda	RWA	..	0.00	0.00	..	0.00	0.00	0.00	0.00	1.16	0.00	0.00	1.67	0.01	0.00	0.10	0.01	0.00	0.01	0.01					
Sao Tome and Principe	STP	..	..	..	..	0.00	0.00	..	..	..	..	..	..	..	0.00	0.00	0.00	0.00	0.00	0.00					
Senegal	SEN	..	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.00	0.00	0.03	0.46	0.05	0.02	0.02	0.04					
Seychelles	SYC	..	0.00	..	..	0.00	0.16	0.00	0.03	0.02	..	0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.01	0.01					
Sierra Leone	SLE	..	0.06	..	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.01	0.00	0.00	0.01					
Somalia	SOM	0.00	0.00	0.00	0.00	..	0.00	0.04	0.01	0.25	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.00	0.01	0.01					
South Africa	ZAF	0.00	0.00	0.00	0.00	0.00	..	0.00	..	0.00	0.00	0.27	0.00	0.13	8.64	0.31	0.49	0.32	0.21	0.35					
Sudan	SDN	..	0.00	..	0.00	0.00	0.00	..	..	0.56	0.00	0.03	0.04	0.00	0.04	0.33	0.04	0.01	0.04	0.04					
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
Tanzania	TZA	..	0.00	0.00	..	0.31	0.00	0.00	0.69	..	0.00	0.00	0.43	0.36	0.31	0.06	0.04	0.01	0.02	0.03					
Togo	TGO	..	0.71	..	0.00	..	0.00	0.00	..	..	..	0.07	..	0.00	0.00	0.15	0.02	0.01	0.01	0.01					
Tunisia	TUN	..	1.06	0.00	0.00	0.10	0.01	0.61	0.05	0.77	2.05	..	2.96	0.84	0.13	0.52	0.27	0.06	0.10	0.17					
Uganda	UGA	..	0.00	0.00	..	0.08	0.00	0.00	0.00	0.94	..	0.10	..	0.00	0.42	0.35	0.02	0.01	0.01	0.02					
Zambia	ZMB	..	0.00	0.00	0.00	0.00	1.35	0.00	2.16	0.47	0.00	0.00	0.07	..	3.75	0.60	0.03	0.02	0.02	0.03					
Zimbabwe	ZWE	0.01	0.00	0.10	0.01	0.00	2.60	0.00	2.99	0.38	0.00	0.00	0.00	0.74	..	0.95	0.04	0.03	0.04	0.05					
Sub-Saharan Africa	SSA	0.00	21.11	0.00	3.46	0.00	6.78	0.11	7.40	7.40	16.74	1.74	2.21	4.18	2.00	5.31	1.40	0.45	0.86	1.16					
European Community	EEC	31.66	58.19	63.03	66.72	37.58	56.96	37.88	45.48	49.83	38.68	78.47	74.41	32.09	42.99	50.79	65.89	23.44	28.35	43.75					
North America	NNA	0.00	1.43	0.61	22.80	0.00	12.34	2.75	16.56	3.50	12.91	0.98	10.26	1.98	9.18	21.26	8.11	32.81	23.57	18.46					
Rest of World	ROW	68.32	19.25	36.16	6.99	61.57	23.92	59.26	30.56	39.11	31.62	18.82	13.11	61.74	22.83	19.63	24.60	43.30	47.23	36.63					
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00					

Source: International Monetary Fund's Direction of Trade database.

Note: \*\* means "not applicable."

## 5-48. Direction of trade matrix, imports, 1995

Exporters		Importers																			Percentage of total imports										
		DZA	AGO	BEN	BFA	BWA	BDI	CMR	CPV	CAF	TCD	COM	ZAR	COG	CIV	DJI	EGY	GNQ	ERI	ETH	GAB										
Algeria	DZA	**	0.00	0.00	0.00	0.00	0.00	0.10	4.50	0.25	0.03	0.00	0.06	0.00	0.26	..	0.97	0.00	..	0.03	0.41										
Angola	AGO	0.00	**	..	0.00	..	0.00	0.09	0.52	0.03	..	0.00	0.00	0.46	0.13	..	0.01	..	..	..	0.10										
Benin	BEN	0.41	0.00	**	0.01	..	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.01	..	0.00	0.01										
Burkina Faso	BFA	0.00	0.00	0.28	**	..	0.01	0.07	0.00	0.02	0.02	0.00	0.00	0.00	1.69	0.00	0.00	0.00	..	0.00	0.00										
Botswana	BWA	..	..	..	..	**	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Burundi	BDI	0.00	..	0.00	..	0.00	**	0.00	0.00	..	..	..	0.11	0.00	0.00	0.01	0.00	..	..	0.00	..										
Cameroon	CMR	0.00	0.00	0.08	0.00	0.01	0.00	**	0.00	0.14	0.04	0.02	0.00	0.07	0.31	0.00	0.01	22.42	..	0.00	0.08										
Cape Verde	CPV	0.00	0.07	..	0.01	..	..	0.00	**	0.00	0.00	0.00	0.00	0.00	0.05	..	0.00	..	..	0.00	0.00										
Central African Republic	CAF	0.00	0.00	0.06	0.00	..	0.00	0.53	0.00	**	0.95	..	0.05	0.17	0.01	..	0.00	..	..	0.00	0.00										
Chad	TCD	0.03	..	0.04	0.10	..	0.00	0.30	0.00	0.39	**	..	0.00	0.00	0.04	..	0.00	..	..	0.00	0.00										
Comoros	COM	0.00	..	..	..	0.00	..	0.00	0.00	0.00	..	**	0.00	..	0.00	0.00	0.00	..	..	0.00	0.00										
Congo, Dem. Rep. of	ZAR	0.00	0.00	0.00	0.00	..	0.03	0.15	0.00	2.42	0.00	0.00	**	0.47	0.72	0.00	0.01	..	..	0.00	0.27										
Congo, Republic of	COG	0.00	0.10	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	**	0.09	0.00	0.00	0.00	..	0.02	0.00										
Cote d'Ivoire	CIV	0.00	0.02	0.28	0.30	0.00	0.03	0.00	0.00	8.99	0.00	0.02	0.03	0.01	**	0.00	0.24	3.78	..	0.01	0.07										
Djibouti	DJI	0.00	..	..	0.00	..	0.00	0.00	..	0.00	..	0.00	0.00	0.00	0.00	**	0.01	..	..	7.80	..										
Egypt	EGY	0.06	0.00	0.00	0.05	0.00	0.03	0.04	0.00	0.00	0.25	0.00	0.07	0.00	0.01	0.00	**	0.00	..	4.33	0.04										
Equatorial Guinea	GNQ	0.00	..	0.00	0.00	..	..	1.22	..	0.02	0.00	..	..	0.00	0.01	..	0.00	**	..	..	0.00										
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**	..	0.00										
Ethiopia	ETH	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00	..	0.00	0.00	0.00	26.95	0.09	..	..	**	..										
Gabon	GAB	0.00	0.00	0.14	0.03	0.00	..	1.25	0.00	0.00	0.01	..	0.00	0.00	0.28	..	0.00	0.00	..	..	**										
Gambia, The	GMB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.43	..	0.00	0.00	..	0.08	0.02										
Ghana	GHA	0.00	0.02	0.05	3.49	0.00	..	0.02	0.10	..	0.02	0.00	0.00	0.00	2.27	..	0.02	0.01	..	0.00	0.00										
Guinea	GIN	0.00	0.00	0.04	0.03	0.00	0.00	0.03	0.00	0.03	0.01	0.00	0.00	0.00	1.74	0.02	0.00	0.00	..	0.00	0.17										
Guinea-Bissau	GNB	0.00	0.00	0.00	0.00	..	..	0.00	2.71	0.00	..	..	..	0.00	0.03	..	0.00	..	..	..	..										
Kenya	KEN	0.00	0.31	0.00	0.00	0.00	2.57	0.02	0.00	0.00	0.00	0.00	0.12	0.00	0.02	0.05	0.06	0.00	..	0.02	0.00										
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Liberia	LBR	0.13	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	..	0.00	0.00	..	0.00	0.00										
Libya	LYB	0.02	0.00	0.00	0.04	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00	0.00	0.02	0.96	0.21	..	0.00	0.00										
Madagascar	MDG	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.77	0.02	0.00	0.01	0.02	0.00	0.00	..	0.00	0.00										
Malawi	MWI	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.00	..	0.00	0.00	0.00	0.00	0.01	0.00	..	..	0.01	0.00										
Mali	MLI	0.00	..	0.08	0.70	..	0.00	0.03	0.00	0.00	0.00	..	0.00	0.00	3.73	..	0.00	0.00	..	0.00	0.00										
Mauritania	MRT	0.19	..	0.00	0.01	..	0.00	0.00	0.01	0.00	..	..	0.00	0.00	0.10	..	0.00	0.00	..	0.00	0.00										
Mauritius	MUS	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	..	..	0.00	0.00										
Morocco	MAR	0.96	0.00	10.68	0.90	0.09	0.00	0.33	0.00	1.41	0.13	0.19	0.06	0.49	0.68	0.00	0.60	0.00	..	0.00	1.98										
Mozambique	MOZ	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	..	..	0.00	0.00	0.00	..	0.00	..	..	0.00	0.00										
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Niger	NER	0.02	..	2.47	1.07	..	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.61	..	0.00	0.00	..	0.00	0.00										
Nigeria	NGA	0.00	0.00	2.23	0.12	0.00	0.00	0.42	0.00	0.03	1.87	0.00	0.00	0.01	1.96	0.00	0.03	0.00	..	0.00	0.00										
Reunion	REU	0.00	0.00	0.00	0.01	2.23	..	0.33	5.29	0.09	0.00	1.04	0.00	0.32	0.05	0.00	0.01	..	..	0.12	0.00										
Rwanda	RWA	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00	..	0.21	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00										
Sao Tome and Principe	STP	0.00	0.00	..	..	..	..	0.00	0.00	..	..	..	0.00	0.00	0.00	..	0.00	..	..	0.00	0.00										
Senegal	SEN	0.00	0.00	0.07	0.00	0.00	0.00	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.02	0.00	..	0.00	0.51										
Seychelles	SYC	0.00	0.00	..	0.00	0.00	..	0.00	..	..	..	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.00	0.00										
Sierra Leone	SLE	0.00	..	0.00	0.01	0.00	0.00	0.00	..	0.00	..	..	0.00	0.00	0.51	0.00	0.00	..	..	0.00	0.02										
Somalia	SOM	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	0.00	..	0.00	0.00	0.00	46.66	0.01	..	..	0.00	0.00										
South Africa	ZAF	0.00	0.03	0.00	0.31	0.00	..	0.17	0.00	0.14	2.38	0.00	6.00	0.05	0.90	..	0.08	..	..	0.17	0.06										
Sudan	SDN	0.00	0.00	0.00	0.04	..	0.00	0.00	..	0.29	0.18	..	0.00	0.00	0.00	0.00	0.44	..	..	0.24	0.00										
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Tanzania	TZA	0.00	0.00	..	..	0.32	2.14	0.01	0.00	..	..	0.00	0.07	0.00	0.01	0.00	0.01	..	..	0.03	0.00										
Togo	TGO	0.00	0.06	0.81	4.27	..	..	0.07	0.01	0.00	0.01	0.00	0.01	0.00	0.94	..	0.00	0.02	..	0.01	0.15										
Tunisia	TUN	0.93	0.00	0.00	0.00	0.00	0.00	1.95	0.00	0.40	0.05	0.04	0.00	0.02	0.60	0.00	0.50	0.00	..	1.57	0.07										
Uganda	UGA	0.00	..	..	0.00	..	0.45	0.00	..	..	..	..	0.00	0.00	0.00	..	0.01	..	..	0.00	..										
Zambia	ZMB	0.00	0.00	0.00	0.01	0.78	0.01	0.00	..	0.00	0.00	..	0.31	0.00	0.00	..	0.00	..	..	0.01	0.00										
Zimbabwe	ZWE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.01	..	..	0.00	0.00										
Sub-Saharan Africa	SSA	67.78	22.09	33.57	49.31	46.38	79.90	76.43	68.69	79.41	80.42	70.11	64.22	60.39	64.99	8.82	49.24	27.42	..	55.25	21.46										
European Community	EEC	18.02	65.97	4.79	0.34	7.60	9.32	2.79	1.55	0.31	2.69	21.39	18.40	14.36	5.69	0.00	11.03	24.91	..	7.43	57.89										
Rest of World	ROW	13.81	11.33	54.52	36.75	42.68	4.60	14.05	21.11	7.69	11.41	6.65	10.35	23.71	11.00	17.46	38.58	21.43	..	28.81	19.21										
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00										

# 5-48. Direction of trade matrix, imports, 1995 (continued)

Exporters		Importers										Percentage of total imports									
		GMB	GHA	GIN	GNB	KEN	LSO	LBR	LBY	MDG	MWI	MLI	MRT	MUS	MAR	MOZ	NAM	NER	NGA	REU	RWA
Algeria	DZA	0.00	0.04	0.23	0.22	0.00	0.00	0.00	0.02	1.05	0.14	0.01	0.40	0.00	0.70	0.00	..	0.14	0.00	0.00	0.00
Angola	AGO	0.00	0.54	0.01	0.00	0.02	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	..	..	0.00	0.00	
Benin	BEN	0.00	1.14	0.00	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.00	0.00	..	0.00
Burkina Faso	BFA	0.00	0.34	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.54	0.08	0.00	0.01	0.00	..	0.10	0.21	0.00	0.00
Botswana	BWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	BDI	..	..	..	..	0.44	..	0.00	0.00	0.00	0.32	..	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	1.05
Cameroon	CMR	0.00	0.03	5.44	0.56	0.03	0.00	0.00	0.00	0.00	0.04	0.01	2.71	0.00	0.06	0.00	0.26	0.00	0.76	0.00	0.00
Cape Verde	CPV	0.00	0.00	0.02	0.00	0.00	..	0.00	0.00	0.03	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..
Central African Republic	CAF	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.04	0.00	0.01	..	0.00
Chad	TCD	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	0.01	0.09	..	0.00
Comoros	COM	..	..	..	..	0.11	..	..	..	0.73	..	..	..	0.16	0.00	..	..	0.00	0.00	0.82	..
Congo, Dem. Rep. of	ZAR	0.00	0.00	0.00	..	2.06	..	0.00	0.00	0.01	0.13	0.00	0.02	0.00	0.12	0.00	..	0.00	0.39	0.00	1.28
Congo, Republic of	COG	0.00	0.38	0.00	0.00	0.00	..	0.01	0.00	0.00	0.00	0.01	0.71	0.00	0.02	0.37	..	0.01	0.02	0.00	0.00
Cote d'Ivoire	CIV	0.00	0.52	0.56	0.55	0.06	0.00	0.37	0.00	0.01	0.02	1.24	2.93	0.01	0.25	0.00	..	0.02	2.86	0.05	0.00
Djibouti	DJI	..	0.00	0.00	..	0.07	..	..	..	0.01	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00
Egypt	EGY	0.00	0.04	0.00	0.00	3.59	0.00	0.00	1.06	0.01	2.47	0.00	0.00	0.00	0.06	0.01	..	0.00	0.00	0.00	0.00
Equatorial Guinea	GNQ	0.00	..	..	..	0.00	..	0.00	..	0.00	..	..	0.05	..	0.01	..	..	0.00	0.00	..	..
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	ETH	0.00	0.00	..	0.00	1.59	..	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.00	0.00	0.17	0.01
Gabon	GAB	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.09	0.00	..	0.00	0.02	0.00	0.00
Gambia, The	GMB	..	0.00	0.00	0.01	0.00	..	0.01	0.00	0.00	0.51	0.00	0.02	0.00	0.00	0.00	..	0.00	0.00	..	..
Ghana	GHA	0.21	..	0.00	..	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.17	0.00	0.06	0.00	..	2.99	2.98	0.00	0.01
Guinea	GIN	0.68	0.02	..	0.04	0.00	0.27	0.02	0.00	0.01	0.04	0.00	0.00	0.00	0.14	0.00	0.00	0.26	0.07	..	0.06
Guinea-Bissau	GNB	0.01	0.00	0.00	..	0.00	..	0.00	..	0.00	0.02	0.00	0.00	..	0.00	0.00	..	0.00	0.00	0.00	..
Kenya	KEN	0.00	0.00	0.00	0.00	..	0.00	0.29	0.00	0.26	0.17	0.00	0.00	0.12	0.01	0.04	0.00	0.00	0.01	0.00	0.07
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	LBR	0.00	0.00	0.01	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Libya	LBY	0.00	0.01	0.02	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	2.43	0.00	..	0.09	0.00	..	0.00
Madagascar	MDG	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	..	0.03	0.00	0.00	0.16	0.01	0.30	0.00	0.00	0.00	0.26	0.00
Malawi	MWI	0.00	0.00	..	0.00	0.11	0.00	0.00	0.00	0.00	..	0.00	0.00	0.06	0.00	5.91	0.00	0.00	0.00	0.00	0.00
Mali	MLI	0.08	0.00	0.01	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.06	0.00	0.09	..	..	0.23	0.00	0.00	0.00
Mauritania	MRT	0.00	0.00	0.01	0.00	0.01	..	0.00	0.01	0.00	0.00	0.00	..	0.00	0.10	0.00	..	0.03	0.00	..	0.00
Mauritius	MUS	0.00	0.00	0.00	..	0.97	0.00	0.00	0.00	3.05	0.00	0.87	..	..	0.03	0.00	0.00	0.00	0.00	0.68	0.00
Morocco	MAR	0.00	0.02	3.29	0.00	0.01	..	0.00	0.59	0.06	0.04	1.26	0.07	0.00	..	0.40	0.00	0.00	0.47	0.14	0.00
Mozambique	MOZ	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.17	..	0.00	0.02	0.00	..	..	0.00	0.00	0.00	0.00
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	NER	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.15	0.01	0.00	0.00	0.00	..	..	0.27	0.00	0.00
Nigeria	NGA	0.02	3.01	0.00	0.00	0.16	0.00	0.01	0.00	0.02	0.02	0.72	0.01	0.00	0.12	0.00	1.84	10.23	..	0.00	0.09
Reunion	REU	..	0.00	0.00	..	0.51	0.00	..	..	4.12	0.00	0.00	..	1.68	0.03	0.00	1.03	0.00	0.00	..	0.00
Rwanda	RWA	..	0.00	0.00	0.00	1.71	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	..	0.00	0.00	..	..
Sao Tome and Principe	STP	..	0.00	..	0.00	0.00	..	..	..	..	..	..	..	0.00	..	0.00	..	..	0.00	0.00	..
Senegal	SEN	0.00	0.02	0.01	0.00	0.01	..	0.00	0.00	0.01	0.05	0.00	0.01	0.01	0.07	0.00	0.00	0.00	0.60	0.02	0.00
Seychelles	SYC	..	0.00	0.00	0.00	0.20	..	0.00	..	0.12	0.02	0.00	..	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sierra Leone	SLE	0.01	0.00	0.00	0.00	0.01	0.00	0.14	0.00	0.00	0.05	0.00	0.00	0.00	0.01	0.00	..	0.00	0.06	..	..
Somalia	SOM	0.00	0.00	0.00	..	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00
South Africa	ZAF	0.00	0.24	0.00	0.00	2.33	..	0.00	0.00	0.40	10.75	1.31	0.05	0.42	0.02	16.17	..	0.32	0.06	0.22	0.66
Sudan	SDN	0.00	0.00	..	..	1.08	0.00	..	2.32	0.00	0.01	..	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.00
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	TZA	0.00	0.00	..	..	10.84	0.01	0.00	0.00	0.00	1.35	..	0.00	0.00	0.00	0.05	..	0.00	0.00	0.00	0.04
Togo	TGO	0.06	10.03	0.00	0.14	0.01	..	0.04	0.00	0.00	0.01	0.12	0.98	0.00	0.03	0.00	..	0.54	0.14	0.00	0.05
Tunisia	TUN	0.00	0.03	0.31	0.17	0.11	0.00	1.77	1.88	0.41	0.09	2.04	0.03	0.00	0.82	0.08	0.05	0.00	0.00	0.00	0.00
Uganda	UGA	..	0.00	..	..	13.91	..	0.00	0.00	0.02	0.26	..	..	0.11	0.00	0.00	..	..	0.00	0.00	0.00
Zambia	ZMB	0.02	0.00	0.00	..	0.09	0.06	0.04	0.00	0.00	0.32	0.00	0.00	0.06	0.00	0.34	0.44	0.01	0.00	..	0.24
Zimbabwe	ZWE	0.03	0.00	0.06	0.00	0.17	0.00	0.05	0.00	0.00	1.40	0.06	0.02	0.83	0.00	1.86	0.00	0.00	0.01	0.00	0.12
Sub-Saharan Africa	SSA	1.11	16.53	5.14	1.40	16.30	0.35	1.01	2.34	8.82	18.70	5.02	8.21	1.65	1.41	2.10	1.68	14.73	8.58	2.21	1.68
European Community	EEC	78.38	54.96	55.33	56.74	38.10	26.38	79.66	80.69	66.82	41.81	32.90	59.56	74.77	72.22	39.33	83.54	75.20	33.92	96.33	81.44
North America	NNA	1.23	12.38	18.45	0.00																

## 5-48. Direction of trade matrix, imports, 1995 (continued)

Exporters		Importers					Percentage of total imports														
		STP	SEN	SYC	SLE	SOM	ZAF	SDN	SWZ	TZA	TGO	TUN	UGA	ZMB	ZWE	SSA	EEC	NNA	ROW	World	
Algeria	DZA	0.00	0.08	0.00	0.10	0.00	0.02	0.02	0.00	0.00	0.08	2.65	0.02	0.00	0.00	0.41	0.34	0.22	0.10	0.21	
Angola	AGO	0.00	0.03	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.01	0.01	0.00	0.03	0.70	0.26	0.06	0.03	0.01	0.04	
Benin	BEN	0.15	2.67	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.24	0.06	0.00	0.00	0.00	0.16	0.02	0.00	0.01	0.01	
Burkina Faso	BFA	0.00	0.85	0.00	0.00	0.01	0.03	0.00	0.00	0.00	1.61	0.02	0.00	0.00	0.00	0.18	0.01	0.00	0.00	0.01	
Botswana	BWA	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.86	0.00	0.00	0.00	0.62	0.22	0.05	0.01	0.00	0.00	0.00	
Burundi	BDI	0.00	1.70	0.00	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.24	0.00	0.00	0.01	0.34	0.03	0.00	0.01	0.02	
Cameroon	CMR	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	
Cape Verde	CPV	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	
Central African Republic	CAF	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	
Chad	TCD	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	
Comoros	COM	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	
Congo, Dem. Rep. of	ZAR	0.00	0.99	0.00	0.00	0.00	0.88	0.00	0.00	0.22	0.00	0.00	0.00	2.37	0.51	0.57	0.03	0.01	0.01	0.01	
Congo, Republic of	COG	0.00	2.84	0.00	0.05	0.00	0.10	0.00	0.00	0.00	0.04	0.13	0.00	0.00	0.03	0.72	0.09	0.02	0.03	0.06	
Cote d'Ivoire	CIV	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.01	0.01	
Djibouti	DJI	0.76	0.04	0.00	0.00	0.22	0.07	0.46	0.00	0.29	0.00	0.23	1.09	0.37	0.61	0.39	0.24	0.27	0.20	0.23	
Egypt	EGY	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00	
Equatorial Guinea	GNQ	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.00	0.12	0.00	0.00	0.00	0.06	0.00	0.10	0.02	0.02	0.02	0.02	
Eritrea	ERI	0.00	0.23	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.28	0.01	0.00	0.00	0.00	0.08	0.03	0.01	0.01	0.02	
Ethiopia	ETH	0.00	0.59	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	
Gabon	GAB	0.00	0.19	0.00	0.00	0.03	0.22	0.00	0.00	0.06	3.23	0.04	0.01	0.00	0.16	0.79	0.06	0.02	0.03	0.05	
Gambia, The	GMB	0.36	0.96	0.02	0.44	0.05	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.00	0.00	0.16	0.02	0.01	0.01	0.02	
Ghana	GHA	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	
Guinea	GIN	0.00	0.00	0.00	0.00	0.14	1.17	0.01	0.00	3.52	0.00	0.00	0.54	0.20	0.20	0.48	0.07	0.02	0.07	0.06	
Guinea-Bissau	GNB	0.00	0.01	0.00	0.00	0.00	0.14	0.00	0.02	0.08	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.01	0.01	
Kenya	KEN	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00	3.93	0.00	0.00	0.17	0.63	0.17	0.01	0.06	0.10	
Lesotho	LSO	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.01	0.01	
Liberia	LBR	0.00	0.00	0.00	0.01	0.01	0.65	0.00	0.00	0.28	0.00	0.00	0.00	0.49	2.13	0.31	0.01	0.00	0.00	0.01	
Libya	LBY	0.00	7.27	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.49	0.01	0.00	0.00	0.00	0.32	0.02	0.00	0.02	0.02	
Madagascar	MDG	0.00	2.08	0.00	0.00	0.00	0.08	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.09	0.02	0.01	0.01	0.01	
Malawi	MWI	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.39	0.03	0.01	0.04	0.04	
Mali	MLI	0.00	0.20	0.24	0.02	0.00	0.12	0.01	0.13	0.09	0.95	0.58	0.00	0.00	0.15	0.67	0.25	0.09	0.15	0.18	
Mauritania	MRT	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.64	0.34	0.01	0.01	0.01	0.01	
Mauritius	MUS	0.00	0.10	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.11	0.01	0.00	0.00	0.01	
Morocco	MAR	0.01	2.84	0.00	0.00	0.00	0.23	0.00	0.06	0.00	4.45	0.01	0.00	0.00	0.10	0.41	0.15	0.08	0.09	0.11	
Mozambique	MOZ	0.00	0.12	3.40	0.01	0.00	0.23	0.00	0.67	0.00	0.00	0.03	0.00	0.00	0.24	0.22	0.11	0.00	0.02	0.05	
Namibia	NAM	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	5.45	0.00	0.00	0.19	0.04	0.02	0.12	0.00	0.01	0.00	0.01	
Niger	NER	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.02	0.34	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.01	0.00	
Nigeria	NGA	0.01	2.84	0.00	0.00	0.00	0.23	0.00	0.06	0.00	4.45	0.01	0.00	0.00	0.10	0.41	0.15	0.08	0.09	0.11	
Reunion	REU	0.00	0.12	3.40	0.01	0.00	0.23	0.00	0.67	0.00	0.00	0.03	0.00	0.00	0.24	0.22	0.11	0.00	0.02	0.05	
Rwanda	RWA	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	5.45	0.00	0.00	0.19	0.04	0.02	0.12	0.00	0.01	0.00	0.01	
Sao Tome and Principe	STP	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Senegal	SEN	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.02	0.01	0.00	0.01	0.24	0.03	0.01	0.01	0.02	
Seychelles	SYC	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.09	0.01	0.00	0.00	0.00	0.00	0.04	0.06	0.00	0.00	0.00	0.00	
Sierra Leone	SLE	0.00	0.29	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	
Somalia	SOM	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.02	0.34	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.01	0.00	
South Africa	ZAF	3.77	0.31	1.14	0.00	0.00	0.00	0.05	0.00	0.58	5.06	0.09	0.09	1.53	18.67	0.98	0.60	0.33	0.43	0.48	
Sudan	SDN	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.75	0.06	0.00	0.03	0.00	0.02	0.38	0.02	0.01	0.02	0.02	
Swaziland	SWZ	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Tanzania	TZA	0.00	0.00	0.00	0.00	0.57	0.78	0.01	1.67	0.00	0.00	0.00	0.30	1.96	0.58	0.66	0.02	0.01	0.04	0.04	
Togo	TGO	0.87	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.37	0.02	0.00	0.02	0.02	
Tunisia	TUN	0.14	0.01	0.01	0.01	0.01	0.00	1.19	0.06	0.00	0.00	0.00	0.02	0.00	0.08	0.68	0.30	0.06	0.06	0.10	
Uganda	UGA	0.00	0.00	0.00	0.14	0.00	0.11	0.00	0.00	1.26	0.00	0.01	0.00	0.08	0.23	0.48	0.01	0.00	0.01	0.02	
Zambia	ZMB	0.00	0.00	0.00	0.00	0.00	1.06	0.00	2.03	1.31	0.00	0.00	0.01	0.00	3.06	0.48	0.01	0.01	0.01	0.02	
Zimbabwe	ZWE	0.16	0.00	0.04	0.00	0.01	4.58	0.00	0.00	0.25	0.00	0.00	0.00	1.26	0.00	1.50	0.04	0.02	0.03	0.05	
Sub-Saharan Africa	SSA	4.44	28.50	4.61	0.13	1.09	13.15	0.29	3.60	15.18	16.15	0.91	1.21	8.65	29.08	12.08	1.17	0.34	0.72	0.98	
European Community	EEC	69.88	57.27	45.07	73.76	13.00	38.47	30.01	54.57	34.28	27.89	82.50	80.41	17.85	42.62	43.72	61.71	18.70	23.87	37.25	
North America	NNA	1.42	1.18	6.08	17.45	0.01	10.72	3.99	12.59	3.69	20.78	1.47	3.54	2.91	6.01	18.34	8.18	31.88	22.07	18.51	
Rest of World	ROW	2																			

Source: International Monetary Fund's Direction of Trade database.

Note: \*\* means "not applicable."

## 5-49. Direction of trade matrix, imports, 2000

Exporters	Importers	Percentage of total imports																		
		DZA	AGO	BEN	BFA	BWA	BDI	CMR	CPV	CAF	TCD	COM	ZAR	COG	CIV	DJI	EGY	GNQ	ERI	ETH
Algeria	DZA	**	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.03	0.00	0.00	0.01	0.06	0.82	0.21	0.00	..	1.80	0.06
Angola	AGO	0.00	**	0.00	0.00	..	0.00	0.02	0.07	0.00	..	0.00	0.00	0.36	0.60	..	0.00	..	..	0.03
Benin	BEN	0.00	0.00	**	0.07	..	0.00	0.51	0.00	0.00	0.07	0.00	0.00	0.01	1.07	0.00	0.06	0.00	..	0.00
Burkina Faso	BFA	0.00	0.00	0.48	**	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	3.22	0.01	0.01	0.00	..	0.00
Botswana	BWA	..	..	..	..	**	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	BDI	0.00	0.00	0.00	..	0.00	**	0.00	0.00	..	..	0.05	0.00	0.00	0.32	0.00	..	..	0.00	..
Cameroon	CMR	0.00	0.00	0.22	0.00	0.00	0.00	**	0.00	0.01	0.03	0.00	0.01	0.08	0.85	0.00	0.02	0.75	..	0.04
Cape Verde	CPV	0.00	0.00	0.00	0.00	..	0.00	0.00	**	0.00	0.00	0.00	0.00	0.02	0.03	0.00	0.00	0.00	..	0.00
Central African Republic	CAF	0.00	0.00	0.01	0.01	..	0.00	0.74	0.00	**	2.35	0.12	0.13	0.03	..	0.01	..	..	0.00	0.00
Chad	TCD	0.00	..	0.46	0.02	..	0.00	1.22	0.00	0.09	**	..	0.00	0.06	..	0.00	..	..	0.00	0.00
Comoros	COM	0.00	..	0.00	..	0.00	..	0.01	0.00	0.00	..	**	0.00	..	0.00	0.00	0.00	..	0.00	0.00
Congo, Dem. Rep. of	ZAR	0.00	0.00	0.00	0.00	..	0.08	0.13	0.00	0.99	0.00	0.00	**	0.37	0.80	0.00	0.01	..	..	0.25
Congo, Republic of	COG	0.00	0.07	0.09	0.04	0.00	0.00	0.69	0.00	0.15	0.00	0.00	0.13	**	0.33	0.00	0.01	0.00	..	0.21
Cote d'Ivoire	CIV	0.00	0.00	0.11	0.15	0.00	0.00	0.09	0.00	0.01	0.00	0.00	0.00	0.17	**	0.00	0.06	0.00	..	0.02
Djibouti	DJI	0.00	..	0.00	0.00	..	0.00	0.00	..	0.00	..	0.00	0.00	0.00	0.00	**	0.07	..	11.46	..
Egypt	EGY	0.08	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.04	0.00	**	0.00	..	3.08
Equatorial Guinea	GNQ	0.00	..	0.00	0.00	..	..	0.50	..	0.00	0.00	..	..	0.00	0.47	..	0.00	**	..	0.04
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**	..
Ethiopia	ETH	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00	..	0.00	0.00	0.00	4.37	0.02	..	..	**
Gabon	GAB	0.00	0.01	0.05	0.01	0.00	0.00	0.98	0.00	0.01	0.01	..	0.00	0.06	0.40	..	0.00	0.01	..	0.00
Gambia, The	GMB	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	..	0.00	0.00	0.30	..	0.00	0.00	..	0.00
Ghana	GHA	0.00	0.02	0.01	7.02	0.00	..	0.00	0.00	..	0.04	0.00	0.00	0.00	3.36	..	0.06	0.00	..	0.00
Guinea	GIN	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.15	1.33	0.01	0.00	0.00	..	0.10
Guinea-Bissau	GNB	0.00	0.00	0.00	0.02	..	..	0.00	0.08	0.00	..	..	..	0.00	0.01	..	0.00	..	..	0.00
Kenya	KEN	0.00	0.00	0.00	0.01	0.00	10.42	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.07	0.04	0.18	0.00	..	0.28
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	LBR	0.00	0.00	0.01	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	..	0.00	0.00	..	0.00
Libya	LYB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00	0.02	0.00	0.93	0.00	..	0.00
Madagascar	MDG	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.37	0.00	0.00	0.01	0.01	0.00	0.00	..	0.01
Malawi	MWI	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.00	..	0.00	0.00	0.00	0.00	0.02	0.00	..	..	0.00
Mali	MLI	0.00	..	0.36	2.44	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	5.17	..	0.01	0.00	..	0.00
Mauritania	MRT	0.11	..	0.00	0.01	..	0.00	0.00	0.01	0.00	..	..	0.00	0.00	0.16	..	0.00	0.00	..	0.00
Mauritius	MUS	0.00	0.00	0.32	3.21	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.08	0.00	..	0.00
Morocco	MAR	0.57	0.00	2.35	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.27	0.00	..	0.59
Mozambique	MOZ	0.00	0.00	..	0.00	0.01	0.00	0.00	0.00	0.00	..	0.00	..	0.00	0.00	..	0.00	..	..	0.00
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	NER	0.01	..	2.49	3.23	..	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.83	..	0.00	0.00	..	0.00
Nigeria	NGA	0.17	0.00	0.26	0.05	0.00	0.00	0.17	0.00	0.02	4.33	0.00	0.00	0.01	1.00	0.00	0.07	0.00	..	0.01
Reunion	REU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rwanda	RWA	0.00	0.00	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00	..	0.48	0.00	0.00	0.00	0.00	0.00	..	0.11
Sao Tome and Principe	STP	0.00	0.00	0.00	..	..	..	0.00	0.00	..	..	..	0.00	0.00	0.02	..	0.00	..	..	0.03
Senegal	SEN	0.00	0.00	0.44	0.00	0.00	0.00	0.25	67.62	0.00	0.00	0.15	0.01	0.11	0.00	0.00	0.03	0.01	..	0.10
Seychelles	SYC	0.00	0.00	..	0.00	0.00	..	0.02	..	..	..	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.00
Sierra Leone	SLE	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	..	0.00	0.22	0.00	0.00	..	..	0.00
Somalia	SOM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	..	0.00	..	0.00	0.00	0.00	55.56	0.01	..	..	0.00
South Africa	ZAF	0.00	0.50	0.00	0.00	..	0.05	0.11	0.10	0.02	0.00	0.00	0.31	0.14	0.24	..	0.28	..	..	0.15
Sudan	SDN	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.15	0.45	..	0.00	0.00	0.00	0.00	0.45	..	..	0.05
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	TZA	0.00	0.00	0.00	0.01	0.16	0.02	0.00	0.00	..	0.00	0.01	0.01	0.00	0.01	0.01	0.07	0.00	..	0.63
Togo	TGO	0.01	0.05	0.32	2.79	..	..	0.06	0.00	0.01	0.03	0.00	0.02	0.00	2.20	..	0.00	0.00	..	0.02
Tunisia	TUN	0.38	0.00	0.13	0.51	0.00	0.00	0.20	0.00	0.03	2.24	0.01	0.00	0.01	0.44	0.00	0.65	0.00	..	0.03
Uganda	UGA	0.00	..	..	0.00	..	0.10	0.00	..	..	..	0.00	0.00	0.00	0.00	..	0.02	..	..	0.01
Zambia	ZMB	0.00	0.00	0.01	0.00	0.79	0.01	0.00	..	0.00	0.00	0.01	0.00	0.00	0.00	0.24	0.01	..	..	0.01
Zimbabwe	ZWE	0.00	0.00	0.00	0.00	5.57	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.02	..	..	0.44
Sub-Saharan Africa	SSA	0.30	0.65	5.63	19.09	6.55	14.11	5.64	6.88	1.49	7.34	0.55	1.21	1.63	23.85	60.59	1.57	0.78	..	13.18
European Community	EEC	66.28	17.29	32.27	46.58	75.16	54.60	62.98	21.90	80.24	60.79	52.71	73.90	11.18	47.55	8.55	52.61	55.23	..	42.90
North America	NNA	16.28	44.89	4.35	2.39	5.68	11.27	7.93	7.81	1.48	6.18	20.08	18.64	15.92	11.03	0.27	15.00	12.94	..	6.50
Rest of the World	ROW	17.14	37.16	57.75	31.94	12.61	20.03	23.45	2.40	16.79	25.70	26.67	6.25	71.28	17.57	30.59	30.82	31.05	..	37.41
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Source: International Monetary Fund's Direction of Trade database.

(Table continues on the following page)

Note: \*\* means "not applicable."



## 5-49. Direction of trade matrix, imports, 2000 (continued)

Exporters		Importers				Percentage of total imports															
		GMB	GHA	GIN	GNB	KEN	LSO	LBR	LBY	MDG	MWI	MLI	MRT	MUS	MAR	MOZ	NAM	NER	NGA	REU	RWA
Algeria	DZA	0.00	0.10	0.32	0.00	0.00	0.00	0.04	0.01	1.94	0.00	0.00	0.40	0.00	0.11	0.00	..	0.07	0.01	..	0.00
Angola	AGO	0.00	0.90	0.00	0.00	0.01	..	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.13	..	..	0.00	..	..
Benin	BEN	0.12	1.42	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.08	0.00	0.00	0.95	0.04	..	0.08
Burkina Faso	BFA	0.00	0.38	0.00	0.01	0.01	0.00	0.00	0.11	0.00	0.00	1.02	0.08	0.01	0.00	0.00	..	0.24	0.08	..	0.00
Botswana	BWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	BDI	0.00	..	..	..	0.37	..	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.00	0.00	..	1.39
Cameroon	CMR	0.00	0.02	3.77	0.50	0.03	0.00	0.00	0.00	0.00	0.01	0.00	1.62	0.02	0.04	0.00	0.70	0.00	0.89	..	0.00
Cape Verde	CPV	0.15	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	..	..
Central African Republic	CAF	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	..	0.05	0.00	0.00	..	0.00
Chad	TCD	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	0.10	0.08	..	0.00
Comoros	COM	..	..	0.00	..	0.20	..	..	..	0.10	..	..	..	0.06	0.00	..	..	0.00	0.00	..	..
Congo, Dem. Rep. of	ZAR	0.00	0.00	0.00	..	1.83	..	0.00	0.00	0.00	0.21	0.00	0.04	0.00	0.00	0.00	..	0.00	0.35	..	1.73
Congo, Republic of	COG	0.00	0.58	0.01	0.00	0.07	..	0.02	0.00	0.00	0.00	0.02	1.40	0.00	0.00	0.02	..	0.00	0.02	..	0.00
Cote d'Ivoire	CIV	0.07	0.10	1.07	0.22	0.03	0.00	0.39	0.00	0.01	0.00	1.64	3.92	0.03	0.09	0.00	..	0.01	2.80	..	0.00
Djibouti	DJI	..	0.00	0.00	..	0.15	..	..	..	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	..	0.00
Egypt	EGY	0.00	0.14	0.00	0.00	4.24	0.00	0.70	0.51	0.01	1.65	0.00	0.03	0.00	0.09	0.00	0.01	0.00	0.01	..	0.00
Equatorial Guinea	GNQ	0.00	..	..	..	0.00	..	0.00	..	0.00	..	..	0.10	0.00	0.00	..	..	0.00	0.00	..	..
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	ETH	0.00	0.00	..	0.00	0.99	..	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.00
Gabon	GAB	0.00	0.00	0.02	..	0.01	0.00	0.00	0.00	0.07	0.09	0.02	0.10	0.01	0.00	0.00	..	0.00	0.04	..	0.00
Gambia, The	GMB	..	0.04	0.00	0.09	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.03	0.00	0.01	0.00	..	0.00	0.00	..	..
Ghana	GHA	0.42	..	0.01	..	0.02	0.00	0.08	0.00	0.00	0.00	0.01	0.36	0.00	0.00	0.00	..	0.73	2.54	..	0.01
Guinea	GIN	1.01	0.01	..	0.02	0.01	0.00	0.03	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	..	0.00
Guinea-Bissau	GNB	0.67	0.00	0.00	..	0.00	..	0.00	..	0.00	0.03	0.00	0.00	..	0.00	0.00	..	0.00	0.00	..	..
Kenya	KEN	0.00	0.01	0.00	0.00	..	0.00	1.61	0.00	0.05	0.03	0.00	0.02	0.21	0.00	0.25	0.00	0.00	0.01	..	0.26
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	LBR	0.00	0.00	1.02	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	2.29	0.00	0.00	0.00	0.00	0.00	0.01	..	0.00
Libya	LBY	0.00	0.02	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	1.39	0.00	..	0.11	0.00	..	0.00
Madagascar	MDG	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	..	0.00	0.00	0.00	4.89	0.02	0.00	0.00	0.00	0.00	..	0.00
Malawi	MWI	0.00	0.00	..	0.00	0.35	0.00	0.00	0.00	0.00	..	0.00	0.01	0.08	0.00	2.73	0.00	0.00	0.00	..	0.00
Mali	MLI	0.08	0.00	0.02	0.00	0.02	..	0.00	0.00	0.00	0.00	..	0.13	0.01	0.00	..	..	0.09	0.00	..	0.00
Mauritania	MRT	0.23	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	..	0.00
Mauritius	MUS	0.00	0.00	0.00	..	0.12	0.00	0.00	0.00	3.53	0.24	4.44	0.00	..	0.03	0.44	0.04	0.00	0.00	..	0.00
Morocco	MAR	0.00	0.00	0.00	0.00	0.00	..	0.00	0.22	0.03	0.00	0.00	0.00	0.04	..	0.00	0.00	0.00	0.35	..	0.00
Mozambique	MOZ	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.15	..	0.00	0.04	0.00	..	0.55	0.00	0.00	..	0.00
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	NER	0.00	0.35	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.59	0.01	0.00	0.01	0.00	..	..	0.12	..	0.00
Nigeria	NGA	0.02	4.61	0.80	0.00	0.16	0.00	0.03	0.03	0.00	0.03	1.48	0.01	0.03	0.00	0.00	2.49	18.31	..	..	0.11
Reunion	REU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rwanda	RWA	..	0.00	0.00	0.00	2.72	..	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	..	0.00	0.00	..	..
Sao Tome and Principe	STP	..	0.00	..	0.00	0.00	..	..	..	0.01	..	..	..	0.00	..	0.00	..	..	0.00	..	..
Senegal	SEN	0.36	0.16	0.01	0.00	0.00	..	0.19	0.00	0.01	0.03	0.00	0.05	0.00	0.14	0.00	0.00	0.00	1.24	..	0.00
Seychelles	SYC	..	0.00	0.00	0.00	0.14	..	0.00	..	0.20	0.01	0.00	..	0.36	0.00	0.00	0.00	0.00	0.00	..	0.00
Sierra Leone	SLE	0.07	0.01	0.00	0.00	0.01	0.00	0.41	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	..	0.00	0.05	..	..
Somalia	SOM	0.00	0.00	0.00	..	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.00
South Africa	ZAF	4.65	0.26	0.00	0.00	0.35	0.00	0.07	0.00	0.35	20.55	1.03	0.00	0.58	0.04	13.24	0.00	0.00	1.17	..	1.47
Sudan	SDN	0.00	0.00	..	..	2.72	0.00	..	0.02	0.00	0.01	..	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.00
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	TZA	1.21	0.00	0.01	0.00	4.34	0.00	0.00	0.00	0.00	0.41	0.01	0.00	0.19	0.00	0.03	0.03	0.11	0.00	..	0.22
Togo	TGO	0.00	16.63	0.00	0.25	0.00	..	0.12	0.00	0.00	0.01	0.26	2.08	0.06	0.00	0.01	..	0.07	0.12	..	0.06
Tunisia	TUN	0.00	0.06	0.05	0.17	0.05	0.00	0.10	2.27	0.01	0.25	1.60	0.03	0.00	0.74	0.00	0.00	0.02	0.00	..	0.02
Uganda	UGA	..	0.00	0.00	..	17.96	..	0.00	0.00	0.00	0.40	..	..	0.05	0.00	0.00	..	..	0.00	..	0.00
Zambia	ZMB	0.06	0.00	0.01	..	0.13	0.01	0.00	0.00	0.06	0.53	0.00	0.00	0.24	0.00	2.20	0.24	0.04	0.00	..	0.00
Zimbabwe	ZWE	0.00	0.01	0.00	0.00	0.30	2.16	0.00	0.00	0.00	1.93	0.37	0.00	0.37	0.00	16.02	1.01	0.00	0.00	..	0.00
Sub-Saharan Africa	SSA	9.12	25.51	6.76	1.10	14.45	2.21	2.96	0.16	4.34	24.78	10.91	12.23	7.36	0.45	35.07	1.12	20.00	1.50	..	5.34
European Community	EEC	69.85	46.21	50.01	4.53	34.38	12.21	61.96	85.36	56.31	31.18	37.75	61.87	65.44	67.55	37.46	76.82	18.87	25.04	..	56.09
North America	NNA	1.43	12.73	15.20	0.49	5.70	85.00	7.56	0.00	17.47	13.40	13.60	0.09	18.73	6.25	6.01	14.50	1.91	45.32	..	8.43
Rest of the World	ROW	19.61	15.54	28.04	93.88	24.94	0.56	27.49	14.48	21.83	30.64	37.74	25.80	8.48	25.75	21.45	3.55	58.57	20.06	..	30.14
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Source: International Monetary Fund's Direction of Trade database.

(Table continues on the following page)

Note: \*\* means "not applicable."

## 5-49. Direction of trade matrix, imports, 2000 (continued)

Exporters		Importers					Percentage of total imports														
		STP	SEN	SYC	SLE	SOM	ZAF	SDN	SWZ	TZA	TGO	TUN	UGA	ZMB	ZWE	SSA	EEC	NNA	ROW	World	
Algeria	DZA	0.00	0.07	0.00	0.00	0.01	0.04	0.05	0.00	0.02	0.30	1.04	3.01	0.00	0.23	0.20	0.28	0.12	0.08	0.15	
Angola	AGO	0.00	0.00	0.00	0.00	0.00	1.07	0.00		0.05		0.00		0.05	0.39	0.40	0.05	0.02	0.02	0.03	
Benin	BEN	0.00	0.86	0.00	0.00	0.00	0.06	0.00	0.30	0.00	18.89	0.02	0.00	0.00	0.00	0.19	0.03	0.00	0.02	0.02	
Burkina Faso	BFA	0.00	0.44	0.00	0.00	0.00	0.02	0.00	0.00	0.00	3.64	0.05	0.00	0.00	0.00	0.21	0.01	0.00	0.00	0.01	
Botswana	BWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Burundi	BDI	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.46	0.00	0.00	0.00	0.92	0.06	0.03	0.00	0.00	0.00	0.00	
Cameroon	CMR	0.00	1.42	0.00	0.00	0.00	0.09	0.00	0.02	0.00	0.01	0.03	0.00	0.00	0.09	0.35	0.04	0.01	0.01	0.02	
Cape Verde	CPV	0.00	0.18	0.00	0.00	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	
Central African Republic	CAF	..	0.07	..	0.00	..	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	
Chad	TCO	..	0.18	..	0.00	0.01	0.00	0.00	..	0.00	0.01	0.00		0.00	0.00	0.06	0.00	0.00	0.00	0.00	
Comoros	COM	..	0.00	0.00	..	0.00	0.03	..	..	0.01	0.00	0.00		0.00	0.00	0.02	0.00	0.00	0.00	0.00	
Congo, Dem. Rep. of	ZAR	..	0.03	..	0.00	0.00	0.43	0.00	..	1.18	0.01	0.00	0.00	0.00	0.51	0.34	0.01	0.00	0.00	0.01	
Congo, Republic of	COG	0.00	0.82	0.00	0.00	0.00	0.09	0.00	0.00	0.04	0.32	0.02	0.03	0.01	0.13	0.11	0.02	0.01	0.01	0.01	
Cote d'Ivoire	CIV	0.00	2.25	0.00	0.02	0.00	0.12	0.00	0.00	0.27	0.65	0.06	0.01	0.00	0.01	0.77	0.05	0.01	0.02	0.04	
Djibouti	DJI	..	0.00	0.00		0.30	0.01	0.00		0.01		0.01		0.00	0.00	0.07	0.01	0.00	0.01	0.01	
Egypt	EGY	0.00	0.00	0.00	0.00	0.68	0.07	2.17	0.00	0.11	0.49	0.58	0.03	0.02	0.17	0.33	0.36	0.34	0.30	0.33	
Equatorial Guinea	GNQ	..	0.05	..	0.00	..	0.00	..	..	0.00	0.02	0.00	..	..	0.00	0.04	0.01	0.01	0.00	0.00	
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Ethiopia	ETH	..	0.00	0.00	0.00	0.00	0.04	0.13	0.00	0.09		0.00	0.00	0.03	0.02	0.05	0.02	0.01	0.03	0.03	
Gabon	GAB	0.05	0.76	0.01	0.00	0.00	0.07		0.00	0.00	0.39	0.03		0.00	0.00	0.09	0.05	0.01	0.00	0.02	
Gambia, The	GMB	..	4.50	..	0.26	0.00	0.01	0.00	0.00	0.00	0.00	0.01		0.00	0.00	0.05	0.00	0.00	0.01	0.00	
Ghana	GHA	0.00	0.37	0.00	0.00	0.08	0.33	0.00	0.00	0.03	6.58	0.03	0.02	0.79	0.21	0.90	0.06	0.02	0.02	0.05	
Guinea	GIN	0.00	1.64	0.00	0.00	0.00	0.02			0.00	0.12	0.03	0.00	0.00	0.00	0.09	0.02	0.01	0.01	0.01	
Guinea-Bissau	GNB	0.00	1.83	..		0.00	0.00		0.00	0.00	0.00	0.00			0.00	0.01	0.00	0.00	0.00	0.00	
Kenya	KEN	0.00	0.00	0.00	0.00	0.05	0.75	0.11	0.00	5.09	0.01	0.01	0.34	0.58	0.30	0.33	0.04	0.03	0.06	0.05	
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Liberia	LBR	0.00	1.19	0.00	0.00	0.00	0.01	0.00		0.00	0.09	1.15	0.00	0.00	0.00	0.15	0.10	0.00	0.10	0.08	
Libya	LYB	..	0.00	..	0.00	0.00	0.00	0.00		0.00	0.00	4.50	0.00	0.00	0.09	0.46	0.12	0.00	0.03	0.06	
Madagascar	MDG	..	0.03	0.00		0.00	0.15	0.00	0.01	0.01	0.00	0.02	0.01	0.02	0.01	0.14	0.02	0.00	0.01	0.01	
Malawi	MWI	..	0.00	0.00	0.00	0.01	0.82	0.00	0.00	1.48	0.00	0.00	0.01	8.00	4.63	0.44	0.00	0.00	0.00	0.01	
Mali	MLI	..	6.80	0.00	0.00	0.00	0.14	0.00		0.03	0.99	0.02	0.00	0.00	0.00	0.33	0.02	0.00	0.02	0.02	
Mauritania	MRT	..	2.32	0.00		0.00	0.01	0.00	0.01	0.00	0.00	0.03		0.00	0.00	0.05	0.02	0.00	0.01	0.01	
Mauritius	MUS	0.00	0.00	0.52	0.00	0.00	0.98	0.01	1.84	0.12	0.00	0.00	0.00	0.02	0.34	0.38	0.03	0.01	0.03	0.03	
Morocco	MAR	..	0.08	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.11	0.41	0.35	0.07	0.11	0.19	
Mozambique	MOZ	0.00	0.00	0.00		0.00	1.34	0.00	3.25	0.13	0.00	0.00	0.00	0.06	0.26	0.44	0.01	0.00	0.02	0.02	
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Niger	NER	..	0.22	0.00	0.00	0.00	0.01	0.00	0.00	0.00	2.50	0.03	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	
Nigeria	NGA	0.00	0.42	0.00	0.00	0.00	0.35	0.00	0.09	0.03	8.43	0.03	0.00	0.01	0.33	0.44	0.18	0.07	0.11	0.13	
Reunion	REU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.00	..	0.00	..	..	
Rwanda	RWA	..	0.00	0.00		0.00	0.02	0.00	0.00	0.58	0.00	0.00	0.59	0.37	0.02	0.08	0.00	0.00	0.00	0.00	
Sao Tome and Principe	STP	..	..	..	..	0.00	0.00			0.00	..	0.00	..		0.00	0.00	0.00	0.00	0.00	0.00	
Senegal	SEN	..	..	0.00	0.00	0.00	0.04	0.00	0.01	0.03	0.14	0.16	0.00	0.00	0.03	0.39	0.03	0.01	0.01	0.02	
Seychelles	SYC	..	0.00	..	..	0.00	0.11	0.00	0.14	0.01	..	0.00	0.00	0.00	0.01	0.05	0.01	0.00	0.01	0.01	
Sierra Leone	SLE	..	0.50	..	..	0.00	0.01	0.00		0.01	0.09	0.00	0.00	0.00	0.01	0.03	0.01	0.00	0.00	0.00	
Somalia	SOM	0.00	0.00	0.00	0.00	..	0.00	0.04	0.03	0.06	0.00	0.00	0.01	0.00	0.00	0.13	0.00	0.00	0.01	0.01	
South Africa	ZAF	0.00	0.00	1.00	1.45	0.00	..	4.51	0.00	2.12	4.59	0.13	1.04	26.08	13.18	1.13	0.54	0.32	0.37	0.43	
Sudan	SDN	..	0.00	0.00	0.00	0.02	0.02	..		0.05	0.12	0.01	0.09	0.00	0.26	0.10	0.02	0.00	0.03	0.02	
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Tanzania	TZA	0.00	0.00	0.00	0.01	0.00	0.55	0.02	3.97	..	0.00	0.00	1.59	0.31	0.23	0.31	0.02	0.01	0.02	0.02	
Togo	TGO	..	1.06	..	0.00		0.01	0.00		0.01	..	0.02		0.00	0.00	0.47	0.01	0.00	0.01	0.02	
Tunisia	TUN	0.00	0.22	0.47	0.00	0.91	0.02	0.25	0.03	0.00	0.00	..	0.13	0.01	0.06	0.55	0.28	0.04	0.05	0.13	
Uganda	UGA	..	0.00	0.00		0.36	0.17	0.00	0.00	3.35	..	0.00	..	0.21	0.11	0.47	0.01	0.00	0.01	0.01	
Zambia	ZMB	0.04	0.01	0.00	0.03	0.00	1.96	0.00	1.52	3.80	0.00	0.00	0.04	..	3.48	0.75	0.01	0.01	0.00	0.02	
Zimbabwe	ZWE	0.06	0.00	0.01	0.03	0.00	2.41	0.00	3.83	0.41	0.00	0.00	0.00	3.31	..	0.94	0.01	0.01	0.02	0.03	
Sub-Saharan Africa	SSA	0.14	27.97	1.55	1.79	0.83	12.28	4.81	15.02	20.45	47.60	1.89	3.80	40.78	24.61	11.48	1.47	0.60	1.01	1.25	
European Community	EEC	69.49	51.86	78.66	90.05	0.73	41.05	9.30	36.61	37.37	17.30	79.77	58.35	20.96	34.30	35.56	60.04	18.25	22.74	34.61	
North America	NNA	7.26	1.91	4.34	5.62	0.44	14.75	0.10	17.79	4.26	3.10	1.79	9.08	2.73	6.63	23.31	11.46	35.13	26.25	22.80	
Rest of the World	ROW	23.11	18.26	15.46	2.53	98.00	31.93	85.79	30.58	37.91	32.00	16.56	28.78	35.54	34.46	29.65	27.03	46.03	49.99	41.34	
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

Source: International Monetary Fund's Direction of Trade database.

Note: \*\* means "not applicable."

## 5-50. Direction of trade matrix, exports, 1990

Exporters	Importers	Percentage of total exports																			
		DZA	AGO	BEN	BFA	BWA	BDI	CMR	CPV	CAF	TCD	COM	ZAR	COG	CIV	DJI	EGY	GNQ	ERI	ETH	GAB
Algeria	DZA	**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	..	0.00	0.00
Angola	AGO	0.00	**	0.00	..	..	..	0.05	0.88	0.00	..	..	0.00	0.13	0.63	..	0.00	..	..	0.00	0.00
Benin	BEN	0.00	..	**	0.11	..	0.00	0.03	..	0.00	0.00	..	0.00	0.00	0.39	..	0.00	0.00	..	0.00	0.01
Burkina Faso	BFA	0.00	..	0.13	**	..	..	0.00	0.00	0.00	0.00	..	0.00	0.99	..	0.00	..	..	..	0.00	
Botswana	BWA	..	..	..	..	**	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Burundi	BDI	0.00	0.00	0.00	..	0.00	**	0.00	..	0.00	0.00	..	0.13	0.00	0.00	0.00	0.00	..	..	0.00	
Cameroon	CMR	0.02	0.00	0.17	0.15	0.00	0.00	**	0.00	20.70	3.88	0.00	0.15	4.09	0.43	0.00	0.01	40.15	..	0.00	4.30
Cape Verde	CPV	0.00	0.00	0.00	0.00	..	0.00	0.00	**	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	..	..	0.00	
Central African Republic	CAF	0.00	..	0.00	0.00	..	..	0.03	0.00	**	0.33	..	0.00	0.00	0.00	0.00	0.00	..	..	0.00	
Chad	TCD	0.00	..	..	0.00	..	..	0.04	0.00	0.02	**	..	0.00	0.00	0.00	..	0.00	0.00	..	0.00	
Comoros	COM	0.00	0.00	..	0.00	..	..	0.00	0.00	..	..	**	0.00	0.00	0.00	0.00	0.00	..	..	..	
Congo, Dem. Rep. of	ZAR	0.00	0.00	0.00	0.00	..	0.70	0.00	0.00	0.66	0.00	0.00	**	0.12	0.04	0.00	0.06	..	..	0.00	
Congo, Republic of	COG	0.00	0.25	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.35	**	0.02	0.00	0.00	0.00	..	0.00	
Cote d'Ivoire	CIV	0.12	0.75	4.26	28.47	1.04	0.01	0.72	2.59	0.39	0.59	0.00	2.28	0.53	**	0.03	0.00	0.46	..	0.00	1.14
Djibouti	DJI	..	..	0.00	..	..	0.31	0.00	..	..	..	0.00	0.00	0.00	0.00	**	0.00	..	..	1.12	
Egypt	EGY	0.05	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.14	**	0.00	..	0.01	
Equatorial Guinea	GNQ	0.00	..	..	..	..	..	0.00	..	..	..	..	..	0.00	0.00	..	0.00	**	..	0.00	
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**	..	
Ethiopia	ETH	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00	10.24	0.00	..	..	**	
Gabon	GAB	0.21	0.00	0.05	0.00	0.00	..	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.10	..	0.00	0.00	..	**	
Gambia, The	GMB	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	..	..	0.00	0.00	0.00	..	0.00	0.00	..	0.00	
Ghana	GHA	0.00	0.00	3.52	0.92	0.00	..	0.00	0.00	0.00	..	..	0.00	0.00	0.27	0.00	0.00	..	..	0.00	
Guinea	GIN	0.00	0.00	0.00	0.00	..	..	3.36	0.00	0.00	0.00	..	0.00	0.00	0.18	0.00	0.00	..	..	0.00	
Guinea-Bissau	GNB	0.00	0.00	0.00	..	..	..	0.00	0.00	0.00	0.00	..	..	0.00	0.06	..	0.00	..	..	0.00	
Kenya	KEN	0.00	0.36	0.00	0.00	0.00	11.34	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00	6.62	0.13	0.00	..	0.75	
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Liberia	LBR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.01	..	0.00	0.00	..	0.00	
Libya	LYB	0.06	0.00	0.00	0.13	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.65	..	..	0.00	
Madagascar	MDG	0.00	0.00	0.00	0.00	..	0.02	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	
Malawi	MWI	0.00	0.00	0.00	..	0.59	0.16	0.00	..	0.00	..	0.00	0.11	0.00	0.00	0.02	0.00	..	..	0.00	
Mali	MLI	0.00	..	0.00	0.29	..	..	0.00	0.00	0.00	0.00	..	0.00	0.00	0.63	0.00	0.00	..	..	0.00	
Mauritania	MRT	0.00	0.00	0.15	0.00	..	0.00	0.31	0.00	0.00	0.00	..	0.00	0.09	0.89	..	0.00	0.13	..	0.00	
Mauritius	MUS	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.00	0.00	0.00	2.13	0.01	0.00	0.00	0.01	0.00	..	..	0.00	
Morocco	MAR	0.61	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.36	0.00	0.41	0.00	0.00	0.00	..	1.08	
Mozambique	MOZ	0.00	0.01	0.00	..	0.00	0.00	0.00	0.00	..	..	..	0.00	0.22	0.02	0.00	0.00	..	..	0.00	
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Niger	NER	0.00	..	0.25	0.20	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	..	0.00	
Nigeria	NGA	0.00	0.01	0.23	0.02	0.00	0.00	5.31	0.00	0.03	16.35	0.00	1.76	0.06	12.96	0.00	0.00	0.00	..	0.00	
Reunion	REU	0.00	0.00	..	0.00	..	0.00	0.00	0.00	..	..	1.58	0.00	0.00	0.00	0.08	0.00	..	..	0.00	
Rwanda	RWA	0.00	..	0.00	0.00	0.00	0.15	0.00	..	0.00	0.00	..	0.02	0.00	0.00	0.00	0.00	..	..	0.00	
Sao Tome and Principe	STP	0.00	0.00	..	..	..	0.00	0.00	0.00	..	..	..	..	0.00	0.00	..	0.00	..	..	0.00	
Senegal	SEN	0.00	0.00	0.95	0.70	0.00	0.05	2.70	0.09	0.17	0.16	0.00	0.03	0.72	1.26	0.00	0.00	0.00	..	0.31	
Seychelles	SYC	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	..	0.00	..	0.00	0.00	0.00	0.00	..	..	0.00	
Sierra Leone	SLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	..	0.00	
Somalia	SOM	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.11	0.00	..	..	0.00	
South Africa	ZAF	0.00	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.40	0.58	0.00	0.00	..	..	0.00	
Sudan	SDN	0.00	0.00	..	..	..	0.00	0.00	..	0.05	0.00	..	0.00	0.00	0.00	0.00	0.26	..	..	0.00	
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Tanzania	TZA	0.00	0.00	0.00	..	0.21	0.68	0.00	0.00	..	..	0.00	0.09	0.00	0.00	0.00	0.01	..	..	0.03	
Togo	TGO	0.00	..	1.38	2.04	..	0.00	0.01	0.62	0.00	0.01	0.00	0.00	0.04	0.05	..	0.00	..	..	0.09	
Tunisia	TUN	0.86	0.14	0.64	0.24	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.10	0.44	0.63	0.03	2.06	..	0.00	
Uganda	UGA	0.00	..	0.00	..	..	0.00	0.00	..	..	..	..	0.00	0.00	0.00	..	0.03	..	..	0.00	
Zambia	ZMB	0.00	0.05	0.00	0.00	0.06	0.62	0.00	..	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	..	..	0.00	
Zimbabwe	ZWE	0.00	0.73	0.00	0.00	29.48	1.65	0.00	0.02	0.00	0.00	0.00	0.79	0.03	0.01	0.00	0.03	0.00	..	0.12	
Sub-Saharan Africa	SSA	9.35	2.18	11.19	32.91	31.52	15.72	12.71	4.20	22.56	21.32	6.69	8.90	6.45	19.64	17.12	6.11	40.74	..	2.02	
European Community	EEC	69.31	69.99	53.09	54.06	38.15	67.98	68.38	81.69	65.60	65.44	82.44	48.47	66.52	62.27	37.54	45.04	51.41	..	49.79	
North America	NNA	12.69	10.12	6.16	3.64	7.16	0.69	5.22	4.73	0.88	5.32	0.00	8.06	13.64	4.97	2.20	18.93	0.05	..	15.07	
Rest of World	ROW	17.65	17.73	29.56	9.39	23.18	15.61	13.68	9.37	10.96	7.92	10.88	34.58	13.39	13.11	43.14	35.50	7.80	..	33.12	
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

Source: International Monetary Fund's Direction of Trade database.

(Table continues on the following page)

Note: \*\* means "not applicable."

**5-50. Direction of trade matrix, exports, 1990 (continued)**

[illegible]

Source: International Monetary Fund's Direction of Trade database.

(Table continues on the following page)

Note: \*\* means "not applicable."

## 5-50. Direction of trade matrix, exports, 1990 (continued)

Exporters		Importers					Percentage of total exports														
		STP	SEN	SYC	SLE	SOM	ZAF	SDN	SWZ	TZA	TGO	TUN	UGA	ZMB	ZWE	SSA	EEC	NNA	ROW	World	
Algeria	DZA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	0.00	0.00	0.00	0.54	0.52	0.35	0.07	0.33	
Angola	AGO	0.00	0.03	0.00	..	0.00	0.00	0.00	0.00	0.00	0.47	0.00	..	0.00	0.00	0.03	0.09	0.32	0.03	0.11	
Benin	BEN	..	0.00	..	0.00	..	..	0.00	..	..	0.52	0.00	..	0.00	..	0.09	0.00	0.00	0.00	..	
Burkina Faso	BFA	..	0.00	..	0.00	0.00	..	..	..	..	0.65	0.00	..	0.00	0.00	0.05	0.00	0.00	0.00	..	
Botswana	BWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Burundi	BDI	..	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.13	0.00	0.09	0.01	0.00	0.00	0.00	0.00	
Cameroon	CMR	0.00	0.35	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.19	0.08	0.00	0.00	0.00	0.36	0.09	0.05	0.01	0.06	
Cape Verde	CPV	0.00	0.00	..	..	..	0.00	..	..	0.00	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Central African Republic	CAF	..	0.00	..	0.00	..	0.00	0.06	..	..	0.00	0.01	..	0.00	0.00	0.33	0.01	0.00	0.00	0.01	
Chad	TCD	..	0.00	..	..	0.00	0.00	0.01	..	..	0.00	0.00	..	0.00	..	0.00	0.00	0.00	0.00	0.00	
Comoros	COM	..	0.00	..	..	..	0.00	..	..	0.00	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Congo, Dem. Rep. of	ZAR	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.02	0.00	0.02	0.00	0.82	7.11	0.20	0.06	0.04	0.01	0.04	
Congo, Republic of	COG	0.00	0.02	..	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.04	0.04	0.06	0.01	0.04	
Cote d'Ivoire	CIV	0.15	4.92	0.00	7.52	0.00	0.11	0.07	0.13	1.85	9.75	0.31	0.00	0.00	0.00	1.74	0.10	0.03	0.02	0.08	
Djibouti	DJI	..	0.00	0.00	0.00	6.01	..	0.00	..	0.00	..	0.00	..	..	0.00	0.07	0.00	0.00	0.00	0.00	
Egypt	EGY	0.00	0.00	0.00	0.03	0.03	0.00	1.71	0.00	0.00	0.00	0.35	0.03	0.04	0.00	0.19	0.07	0.04	0.10	0.08	
Equatorial Guinea	GNQ	..	0.00	0.00	..	..	..	..	..	..	..	0.01	..	..	..	0.00	0.00	0.00	0.00	0.00	
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Ethiopia	ETH	0.00	0.00	..	0.00	0.00	0.00	0.02	0.00	0.00	..	0.00	0.00	0.00	0.00	0.07	0.01	0.01	0.01	0.01	
Gabon	GAB	0.05	2.86	..	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.07	..	0.00	0.01	0.22	0.08	0.12	0.04	0.07	
Gambia, The	GMB	..	0.02	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	..	0.00	0.00	0.02	0.01	..	..	..	
Ghana	GHA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.06	0.05	..	..	..	
Guinea	GIN	..	0.06	..	0.03	0.00	0.00	..	..	..	0.00	0.00	..	0.00	0.00	0.10	0.02	0.02	0.01	0.02	
Guinea-Bissau	GNB	0.00	0.01	..	0.00	..	0.00	..	0.00	..	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Kenya	KEN	0.00	0.00	0.00	0.00	4.66	0.01	1.27	0.00	1.89	0.00	0.00	35.95	0.22	0.71	0.85	0.03	0.01	0.02	0.03	
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Liberia	LBR	..	0.20	0.00	0.14	0.00	0.00	..	..	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.06	0.01	0.09	0.06	
Libya	LYB	..	0.19	..	0.00	0.00	0.00	12.45	..	2.63	0.00	1.36	0.00	0.00	0.00	0.89	0.79	0.00	0.14	0.41	
Madagascar	MDG	..	0.00	0.11	0.00	0.28	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.02	0.00	0.01	
Malawi	MWI	..	0.00	0.05	0.17	0.01	0.24	0.00	0.00	0.15	0.00	0.00	0.00	1.31	1.13	0.12	0.01	0.01	0.01	0.01	
Mali	MLI	..	0.20	..	0.00	0.00	0.00	..	..	..	0.00	0.21	..	0.00	0.00	0.07	0.01	0.00	0.01	0.01	
Mauritania	MRT	..	0.00	..	0.00	0.00	..	0.00	0.00	0.00	0.08	0.02	..	0.00	0.00	0.05	0.02	0.00	0.01	0.01	
Mauritius	MUS	0.00	0.00	2.27	0.00	0.00	0.05	0.00	0.36	0.01	0.01	0.00	0.01	0.04	0.27	0.09	0.06	0.03	0.00	0.04	
Morocco	MAR	..	0.40	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.55	0.19	0.02	0.11	0.14	
Mozambique	MOZ	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.06	0.02	0.01	0.00	0.02	0.01	
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Niger	NER	..	0.02	..	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	..	0.00	0.02	0.03	0.01	0.01	0.00	0.01	
Nigeria	NGA	0.00	3.45	0.00	7.36	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.01	1.30	0.25	0.04	0.01	0.30	
Reunion	REU	0.00	0.00	0.41	..	0.00	0.00	..	..	0.00	0.00	0.00	0.00	..	0.00	0.02	0.01	0.00	0.00	0.01	
Rwanda	RWA	..	0.00	0.00	..	0.00	..	0.00	0.00	0.02	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sao Tome and Principe	STP	..	..	..	..	0.00	0.00	..	..	..	..	..	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Senegal	SEN	..	..	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.64	0.09	0.00	0.00	0.00	0.32	0.03	0.00	0.02	0.03	
Seychelles	SYC	..	0.00	..	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sierra Leone	SLE	..	0.00	..	..	0.00	0.00	0.00	..	..	0.00	0.00	..	0.00	0.00	0.00	0.01	0.01	0.00	0.00	
Somalia	SOM	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.04	..	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	
South Africa	ZAF	0.00	0.00	16.98	0.00	0.00	..	0.00	..	0.00	0.00	0.02	0.00	24.30	34.49	2.01	0.59	0.29	0.30	0.45	
Sudan	SDN	..	0.00	..	0.00	0.05	0.00	..	..	0.00	0.00	0.06	0.00	0.00	0.00	0.07	0.01	0.00	0.02	0.02	
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Tanzania	TZA	..	0.00	0.00	0.00	0.31	0.00	0.20	0.00	..	..	0.00	0.76	0.24	0.30	0.07	0.01	0.00	0.01	0.01	
Togo	TGO	..	0.00	..	0.00	0.00	0.00	0.00	..	0.00	..	0.03	..	0.00	0.00	0.09	0.01	0.01	0.01	0.01	
Tunisia	TUN	..	0.10	0.00	0.07	0.03	0.08	0.09	0.00	0.01	0.49	..	0.63	0.17	0.13	0.66	0.19	0.01	0.04	0.11	
Uganda	UGA	..	0.00	0.00	0.00	0.00	0.00	0.01	..	0.07	..	0.10	..	0.01	0.00	0.02	0.01	0.00	0.00	0.01	
Zambia	ZMB	..	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.24	0.00	0.00	0.00	..	1.43	0.08	0.01	0.00	0.03	0.02	
Zimbabwe	ZWE	0.02	0.01	0.13	0.02	0.02	1.08	0.04	1.42	1.00	0.00	0.00	1.08	6.06	..	0.93	0.04	0.02	0.02	0.04	
Sub-Saharan Africa	SSA	0.32	12.16	19.94	15.38	11.43	1.55	1.67	1.91	5.47	13.66	1.14	38.11	53.01	45.05	2.47	1.21	1.75	0.40	1.14	
European Community	EEC	59.70	65.32	48.62	54.70	54.48	59.34	38.94	42.44	48.12	48.85	73.16	38.22	48.94	40.35	55.12	66.47	19.40	28.96	44.01	
North America	NNA	29.56	5.03	1.61	13.04	4.00	15.14	3.98	14.13	5.32	4.77	4.20	5.41	10.48	13.22	7.95	7.72	29.40	17.88	15.37	
Rest of World	ROW	10.52	17.50	29.83	16.88	30.09	23.97	55.41	41.52	41.09	31.72	21.51	18.25	7.56	0.78	27.25	24.60	49.46	52.76	39.49	
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

Source: International Monetary Fund's Direction of Trade database.

Note: \*\* means "not applicable."

## 5-51. Direction of trade matrix, exports, 1995

Exporters		Importers																Percentage of total exports							
		DZA	AGO	BEN	BFA	BWA	BDI	CMR	CPV	CAF	TCD	COM	ZAR	COG	CIV	DJI	EGY	GNQ	ERI	ETH	GAB				
Algeria	DZA	**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00	0.00	0.00	0.00	0.00	0.03	0.00	..	0.00	0.00				
Angola	AGO	0.00	**	0.00	0.00	..	0.00	0.00	1.02	0.00	..	..	0.00	0.41	0.02	..	0.00	..	..	0.00	0.00				
Benin	BEN	0.00	0.00	**	0.06	0.00	0.00	0.02	0.62	0.07	0.05	0.00	0.00	0.03	0.04	0.00	0.00	0.00	..	0.00	0.04				
Burkina Faso	BFA	0.00	0.00	0.06	**	..	0.00	0.00	0.01	0.00	0.09	..	0.00	0.00	1.28	0.00	0.00	0.00	..	0.00	0.01				
Botswana	BWA	..	..	..	..	**	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
Burundi	BDI	0.00	0.00	0.00	..	0.00	**	0.00	..	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	..	..	0.00	..				
Cameroon	CMR	0.00	0.10	0.26	0.12	0.00	0.00	**	0.00	7.78	4.14	0.00	0.25	2.17	0.34	0.00	0.00	18.85	..	0.00	3.21				
Cape Verde	CPV	0.01	0.00	0.00	0.00	..	0.00	0.00	**	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	..	..	..	0.00				
Central African Republic	CAF	0.00	0.00	0.00	0.00	..	..	0.03	0.00	**	0.44	0.00	0.33	0.29	0.00	0.00	0.00	0.02	..	0.00	0.00				
Chad	TCD	0.00	..	..	0.00	..	..	0.00	0.00	0.69	**	..	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00				
Comoros	COM	0.00	0.00	..	0.00	..	..	0.00	0.00	..	..	**	0.00	0.00	0.00	0.00	0.00	..	..	..	..				
Congo, Dem. Rep. of	ZAR	0.01	0.00	0.00	0.00	..	1.01	0.00	0.00	0.49	0.00	0.00	**	0.11	0.02	0.00	0.01	..	..	0.00	0.00				
Congo, Republic of	COG	0.01	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	..	**	0.00	0.00	0.01	0.00	..	0.00	0.00				
Cote d'Ivoire	CIV	0.03	0.31	4.88	23.56	0.00	0.00	0.00	0.92	8.72	1.19	0.00	2.39	0.77	**	0.01	0.00	0.27	..	0.00	1.46				
Djibouti	DJI	..	..	0.00	0.00	..	0.01	0.00	..	..	..	0.00	0.00	0.00	0.00	**	0.00	..	..	2.09	..				
Egypt	EGY	0.34	0.03	0.01	0.03	0.00	0.10	0.04	0.00	0.00	0.02	0.00	0.03	0.45	0.27	0.17	**	0.00	..	0.11	0.02				
Equatorial Guinea	GNQ	0.00	..	..	0.00	..	..	2.49	..	..	..	..	..	0.00	0.18	..	0.00	**	..	..	0.00				
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**	..	..				
Ethiopia	ETH	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.68	0.02	..	..	**	..				
Gabon	GAB	0.11	0.14	0.02	0.00	0.00	..	0.17	0.00	0.02	0.00	0.00	0.52	0.00	0.06	..	0.01	0.00	..	..	**				
Gambia, The	GMB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00				
Ghana	GHA	0.01	0.50	2.29	1.32	0.00	..	0.04	0.00	0.00	..	..	0.00	0.75	0.31	0.00	0.00	..	..	0.00	0.00				
Guinea	GIN	0.00	0.00	0.00	0.00	..	..	2.43	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	..	0.00	0.00				
Guinea-Bissau	GNB	0.00	0.00	0.01	0.00	..	..	0.05	0.00	0.00	0.00	..	..	0.00	0.02	..	0.00	..	..	0.00	0.00				
Kenya	KEN	0.00	0.02	0.00	0.01	0.00	4.45	0.04	0.01	0.00	0.00	1.54	3.36	0.03	0.02	0.39	0.37	0.00	..	4.33	0.01				
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
Liberia	LBR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.01	0.14	..	0.00	0.00	..	0.00	0.00				
Libya	LBY	0.02	0.00	0.01	0.00	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.57	..	..	0.00	0.00				
Madagascar	MDG	0.05	0.00	0.00	0.00	..	0.00	0.00	0.08	0.01	0.01	3.16	0.00	0.00	0.01	0.02	0.00	0.00	..	0.00	0.00				
Malawi	MWI	0.00	0.00	0.00	0.00	0.00	0.29	0.00	..	0.00	..	0.00	0.04	0.00	0.00	0.00	0.02	..	..	0.00	0.00				
Mali	MLI	0.00	..	0.00	0.31	..	..	0.00	0.00	0.00	0.00	..	0.00	0.00	0.11	0.00	0.00	..	..	0.00	0.00				
Mauritania	MRT	0.02	0.00	0.00	0.11	..	0.00	1.33	0.00	0.00	0.00	..	0.00	0.50	0.62	..	0.00	0.20	..	0.00	0.00				
Mauritius	MUS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.00	0.00	..	..	0.00	0.00				
Morocco	MAR	0.61	0.13	0.30	0.23	0.00	0.00	0.31	0.14	0.14	0.00	0.17	0.66	0.37	0.73	0.01	0.02	0.71	..	0.00	0.77				
Mozambique	MOZ	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	..	..	..	0.00	0.00	0.00	0.00	0.00	..	..	0.01	0.00				
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
Niger	NER	0.00	..	0.22	0.31	..	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.24	0.00	0.00	0.00	..	0.00	0.00				
Nigeria	NGA	0.00	0.01	0.02	6.08	0.00	0.00	7.99	0.00	0.40	7.89	0.12	4.32	0.27	12.82	0.00	0.00	0.40	..	0.00	0.37				
Reunion	REU	0.00	0.00	..	0.00	..	0.00	0.00	0.00	..	..	1.08	0.00	0.00	0.00	0.00	0.00	..	..	0.03	0.00				
Rwanda	RWA	0.00	..	0.00	0.00	0.00	0.27	0.00	..	0.00	0.00	..	0.05	0.00	0.00	0.00	0.00	..	..	0.00	0.00				
Sao Tome and Principe	STP	0.00	0.00	..	..	..	0.00	0.00	0.00	..	..	..	..	0.00	0.00	..	0.00	..	..	..	0.00				
Senegal	SEN	0.01	0.01	1.85	1.25	0.00	0.00	0.81	1.14	0.59	0.89	0.00	0.00	0.36	0.38	0.00	0.00	0.01	..	0.00	0.19				
Seychelles	SYC	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	..	0.00	..	0.00	0.00	0.00	0.00	..	..	0.00	..				
Sierra Leone	SLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00				
Somalia	SOM	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.06	0.00	..	..	0.00	0.00				
South Africa	ZAF	0.06	8.80	0.13	2.10	..	1.91	0.99	0.17	0.55	0.00	15.35	17.53	0.00	0.96	0.28	0.12	1.27	..	0.10	0.80				
Sudan	SDN	0.00	0.00	..	0.00	..	0.00	0.00	..	0.00	0.00	..	0.00	0.00	0.00	0.00	0.02	..	..	0.06	..				
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
Tanzania	TZA	0.00	0.00	0.00	0.00	0.60	3.33	0.00	0.00	..	..	0.00	0.28	0.00	0.00	0.15	0.01	..	..	0.06	..				
Togo	TGO	0.00	..	0.09	1.20	..	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	0.00	..	0.00	0.02	..	..	0.10				
Tunisia	TUN	2.01	0.02	0.06	0.25	0.00	0.00	0.70	0.00	0.05	0.02	0.00	0.02	0.01	0.32	0.00	0.16	0.06	..	0.00	0.07				
Uganda	UGA	0.00	..	0.00	0.00	..	0.00	0.00	..	0.00	..	..	0.00	0.01	0.00	..	0.04	..	..	0.00	..				
Zambia	ZMB	0.00	0.02	0.00	0.00	0.82	2.43	0.00	..	0.01	0.00	0.00	2.21	0.00	0.00	0.00	0.00	..	..	0.06	0.00				
Zimbabwe	ZWE	0.01	0.71	0.00	0.00	0.00	0.90	0.05	0.00	0.01	0.00	0.02	0.71	0.00	0.02	0.00	0.06	0.00	..	0.02	0.00				
Sub-Saharan Africa	SSA	9.34	11.02	9.84	36.45	1.42	13.60	16.45	4.63	19.37	13.73	21.36	32.54	5.58	17.60	11.37	6.95	20.64	..	8.73	6.19				
European Community	EEC	66.13	61.78	51.49	52.05	63.25	58.20	65.10	83.31	51.01	62.29	68.51	37.45	78.24	58.89	36.08	40.85	69.95	..	51.70	71.43				
North America	NNA	12.38	15.56	4.98	4.15	20.02	2.32	5.10	3.10	4.00	7.88	0.43	8.49	6.95	6.94	3.07	19.60	4.25	..	12.37	7.17				
Rest of World	ROW	21.15	11.64	33.70	7.35	15.31	24.88	13.34	9.57	25.62	15.09	8.09	21.53	9.03	16.58	49.27	38.87	5.15	..	29.16	15.22				
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	..	100.00	100.00				

## 5-51. Direction of trade matrix, exports, 1995 (continued)

Exporters		Importers				Percentage of total exports															
		GMB	GHA	GIN	GNB	KEN	LSO	LBR	LBY	MDG	MWI	MLI	MRT	MUS	MAR	MOZ	NAM	NER	NGA	REU	RWA
Algeria	DZA	0.00	0.00	0.03	0.00	0.00	0.00	0.26	0.05	0.00	0.00	0.00	3.46	0.00	0.90	0.00		0.00	0.00	0.00	0.00
Angola	AGO	0.00	0.03	0.00	0.00	0.35		0.00	0.00	0.00	0.00			0.00	0.00	0.00			0.00	0.00	0.00
Benin	BEN	0.00	0.00	0.01	0.00	0.00		0.00	0.00	0.00		0.03	0.00	0.04	0.19		0.00	0.55	0.09	0.00	0.00
Burkina Faso	BFA	0.00	0.19	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.13	0.00	0.39	0.00	0.00		0.45	0.00	0.00	0.00
Botswana	BWA																				
Burundi	BDI					0.19	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00		0.89
Cameroon	CMR	0.00	0.02	0.16	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.08	0.00	0.00	0.06	0.00	0.00	0.03	0.17	0.30	0.00
Cape Verde	CPV	0.00	0.00	0.00	0.29	0.00		0.00		0.00		0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.03	0.00
Central African Republic	CAF	0.00		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chad	TCD	0.00	0.00	0.00		0.00		0.00	0.00	0.00		0.00		0.00	0.00			0.00	0.05	0.00	0.00
Comoros	COM		0.00			0.00		0.00		0.01				0.00	0.00			0.00	0.00	0.01	
Congo, Dem. Rep. of	ZAR	0.00	0.00	0.00		0.06		0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.00		0.00	0.00	0.00	1.41
Congo, Republic of	COG	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00		0.00	0.00	0.16	0.00
Cote d'Ivoire	CIV	3.81	4.01	8.66	0.89	0.02	0.00	0.36	0.00	0.12	0.01	22.95	0.68	0.01	0.30	0.01		9.43	1.56	0.05	0.00
Djibouti	DJI					0.00			0.00	0.00				0.00	0.00				0.00	0.00	0.00
Egypt	EGY	0.00	0.04	0.02	0.00	0.12	0.00	0.00	1.18	0.01	0.01	0.03	0.00	0.00	0.17	0.01		0.00	0.03	0.00	0.00
Equatorial Guinea	GNQ	0.00	0.00			0.00		0.00	0.01	0.00		0.00	0.00		0.00			0.00	0.00		0.00
Eritrea	ERI																				
Ethiopia	ETH	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.03	0.00
Gabon	GAB	0.17	0.00	0.58		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00		0.00	0.00	0.00	0.01
Gambia, The	GMB	**	0.02	0.01	0.01	0.00		0.00	0.00	0.00	0.06	0.02	0.00	0.00	0.00	0.00		0.01	0.00		
Ghana	GHA	0.02	**	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00		1.19	0.92	0.00	0.00
Guinea	GIN	0.04	0.00	**	0.00	0.00		0.00	0.00	0.00		0.01	0.01	0.00	0.04	0.00		0.01	0.00	0.00	0.00
Guinea-Bissau	GNB	0.00		0.01	**	0.00		0.00		0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00
Kenya	KEN	0.00	0.02	0.00	0.00	**	0.00	0.00	0.00	0.07	0.68	0.00	0.02	0.52	0.00	0.13	0.00	0.00	0.06	0.00	15.29
Lesotho	LSO					**															
Liberia	LBR	0.03	0.01	0.03	0.00	0.09	0.00	**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00
Libya	LBY	0.00	0.00	0.00		0.00		0.00	**	0.00	0.00	0.00	0.12	0.00	0.56	0.00		0.19	0.00		0.00
Madagascar	MDG	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	**	0.02	0.00	0.00	0.80	0.00	0.07	0.00	0.00	0.00	0.93	0.00
Malawi	MWI	0.40	0.00	0.04	0.05	0.02	0.00	0.00	0.00	0.00	**		0.00	0.03	0.00	0.50		0.00	0.00	0.00	0.00
Mali	MLI	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		**	0.00	0.12	0.03			0.10	0.04	0.00	0.00
Mauritania	MRT	0.04	0.04	0.00	0.00	0.00		0.12	0.00	0.00	0.00	0.05	**	0.00	0.00	0.00		0.02	0.00		0.00
Mauritius	MUS	0.00	0.00	0.00		0.06	0.00	0.00	0.00	6.50	0.00	0.00	0.00	**	0.00	0.00	0.00	0.00	0.00	1.26	0.00
Morocco	MAR	0.13	0.18	1.53	0.00	0.02		0.00	3.60	0.08	0.00	0.95	1.20	0.11	**	0.01	0.10	0.17	0.16	0.04	0.00
Mozambique	MOZ	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.61		0.00	0.01	0.00	**	0.00	0.00	0.00	0.00	0.06
Namibia	NAM																**				
Niger	NER	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.00	0.00	0.00		**	0.39	0.00	0.00
Nigeria	NGA	0.14	15.38	1.16	0.00	0.03	0.00	0.02	0.00	0.00	0.01	0.07	0.00	0.00	0.63	0.00	0.01	9.66	**	0.00	0.00
Reunion	REU		0.00		0.00	0.00		0.00		1.10	0.00	0.00		0.24	0.00	0.00	0.00	0.00	0.00	**	
Rwanda	RWA		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	**
Sao Tome and Principe	STP		0.00		0.00	0.00		0.00						0.00		0.00			0.00		
Senegal	SEN	3.50	0.05	0.96	3.32	0.00		0.00	0.00	0.04	0.00	6.91	2.28	0.00	0.01	0.00	0.03	0.23	0.35	0.00	0.00
Seychelles	SYC		0.00	0.00		0.00		0.00		0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sierra Leone	SLE	0.00	0.00	0.00		0.00		0.00	0.00		0.00	0.00		0.00	0.00			0.00	0.00	0.00	
Somalia	SOM	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
South Africa	ZAF	0.07	2.31	0.02	0.00	9.77		0.07	0.01	5.51	37.24	1.32	3.43	12.81	0.32	19.55		0.50	1.11	2.54	1.42
Sudan	SDN	0.00	0.00			0.00		0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00
Swaziland	SWZ																				
Tanzania	TZA	0.00	0.02			0.81	0.00	0.00	0.00	0.08	0.44	0.00	0.00	0.00	0.01	0.00		0.00	0.00	0.00	16.34
Togo	TGO	0.00	0.42	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.03	0.00		0.34	0.47	0.00	0.00
Tunisia	TUN	0.01	0.09	0.15	0.04	0.00	0.00	0.10	4.30	0.01	0.00	0.08	0.18	0.00	0.30	0.01	0.00	0.05	0.01	0.04	0.00
Uganda	UGA		0.00			0.10		0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	0.47
Zambia	ZMB	0.00	0.00	0.00		0.08	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00	0.00	0.02	1.16	0.00	0.00	0.00	0.19
Zimbabwe	ZWE	0.02	0.12	0.00	0.00	0.12	0.00	0.00	0.06	0.00	11.94	0.00	0.00	0.36	0.01	4.86	0.00	0.00	0.03	0.18	0.12
Sub-Saharan Africa	SSA	5.24	22.91	11.71	4.58	11.80	0.00	0.58	0.21	13.55	42.42	31.85	6.41	15.15	2.25	10.11	1.21	22.54	5.26	4.46	1.13
European Community	EEC	37.07	43.94	52.54	50.14	38.85	66.09	31.01	66.86	53.37	20.25	46.68	58.32	40.40	68.16	17.37	66.50	47.92	51.24	89.50	32.36
North America	NNA	2.46	7.73	9.94	0.69	4.25	3.34	0.80	1.00	3.09	5.30	4.61	8.06	1.58	7.29	5.69	17.44	12.34	12.21	0.18	18.39
Rest of World	ROW	52.23	25.42	25.81	44.59	45.09	30.58	67.61	31.93	29.99	21.52	16.85	27.19	42.67	22.30	51.81	14.84	17.20	31.29	4.84	13.02
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Source: International Monetary Fund's Direction of Trade database.

(Table continues on the following page)

Note: \*\* means "not applicable."

## 5-51. Direction of trade matrix, exports, 1995 (continued)

Exporters		Importers					Percentage of total exports														
		STP	SEN	SYC	SLE	SOM	ZAF	SDN	SWZ	TZA	TGO	TUN	UGA	ZMB	ZWE	SSA	EEC	NNA	ROW	World	
Algeria	DZA	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.33	0.32	0.20	0.06	0.18	
Angola	AGO	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.24	0.00	..	0.00	0.00	0.03	0.04	0.24	0.02	0.07	
Benin	BEN	0.00	0.03	..	0.00	0.03	0.00	0.00	..	0.00	0.19	0.00	..	0.00	0.00	0.04	0.00	0.00	0.00	0.00	
Burkina Faso	BFA	..	0.01	0.00	0.00	0.00	0.00	0.00	0.00	..	0.63	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	
Botswana	BWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Burundi	BDI	..	0.00	..	0.00	0.00	0.00	0.00	0.28	..	..	0.00	0.12	0.02	0.00	0.02	0.00	0.00	0.00	0.00	
Cameroon	CMR	0.00	0.55	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.16	0.02	0.00	0.00	0.00	0.19	0.07	0.00	0.01	0.03	
Cape Verde	CPV	0.00	0.00	..	..	..	0.00	..	..	0.00	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Central African Republic	CAF	..	0.00	..	0.00	..	0.00	0.04	..	..	0.00	0.00	..	0.00	0.00	0.01	0.01	0.00	0.00	0.00	
Chad	TCD	..	0.00	..	..	0.00	0.01	0.02	..	..	0.00	0.00	..	0.00	..	0.01	0.00	0.00	0.00	0.00	
Comoros	COM	..	0.00	..	..	..	0.00	..	..	0.00	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Congo, Dem. Rep. of	ZAR	0.00	0.00	..	0.00	0.00	0.41	0.00	..	0.03	0.02	0.00	0.00	0.50	0.02	0.17	0.05	0.03	0.01	0.03	
Congo, Republic of	COG	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.02	0.01	0.02	
Cote d'Ivoire	CIV	0.01	3.23	0.00	9.46	0.00	0.16	0.00	0.00	0.02	4.49	0.26	0.01	0.03	0.02	1.18	0.12	0.02	0.02	0.07	
Djibouti	DJI	..	0.00	0.00	0.00	21.73	..	0.00	..	0.00	..	0.00	..	..	0.00	0.10	0.00	0.00	0.00	0.00	
Egypt	EGY	0.00	0.03	0.00	0.08	0.14	0.02	2.14	0.04	0.03	0.01	0.39	0.07	0.02	0.01	0.25	0.08	0.06	0.05	0.07	
Equatorial Guinea	GNQ	..	0.00	0.00	..	..	..	..	..	..	0.00	0.00	..	..	..	0.05	0.00	0.00	0.00	0.00	
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Ethiopia	ETH	0.00	0.00	..	0.00	0.00	0.00	0.10	0.00	0.01	..	0.06	0.00	0.00	0.00	0.07	0.01	0.00	0.01	0.01	
Gabon	GAB	0.00	0.92	..	0.25	0.00	0.01	0.00	0.00	0.00	0.43	0.02	..	0.00	0.00	0.14	0.03	0.16	0.03	0.05	
Gambia, The	GMB	..	0.48	..	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	..	0.00	0.00	0.01	0.00	0.00	0.00	0.00	
Ghana	GHA	0.01	0.02	0.00	0.03	0.00	0.02	0.00	0.00	0.00	18.42	0.01	0.00	0.00	0.00	0.36	0.04	0.02	0.02	0.03	
Guinea	GIN	..	0.00	0.00	0.00	0.00	0.00	..	..	..	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.02	0.01	0.01	
Guinea-Bissau	GNB	0.00	0.00	..	0.00	..	0.00	..	0.00	..	0.02	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Kenya	KEN	0.00	0.04	1.27	0.10	15.42	0.21	1.88	0.00	13.27	0.03	0.04	35.40	0.35	0.12	1.16	0.03	0.01	0.01	0.04	
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Liberia	LBR	..	0.00	0.00	0.30	0.00	0.00	..	..	0.00	0.05	0.24	0.00	0.05	0.02	0.04	0.04	0.00	0.01	0.02	
Libya	LYB	..	0.00	..	0.00	0.00	0.00	18.75	..	0.00	0.00	2.30	0.00	0.00	0.00	0.73	0.36	0.00	0.05	0.17	
Madagascar	MDG	..	0.00	0.21	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.05	0.07	0.01	0.00	0.00	0.01	
Malawi	MWI	..	0.00	0.02	0.08	0.00	0.17	0.00	0.00	0.30	0.00	0.00	0.12	0.46	0.27	0.10	0.01	0.01	0.00	0.01	
Mali	MLI	..	0.00	..	0.00	0.00	0.01	..	..	..	0.03	0.07	..	0.00	0.01	0.03	0.00	0.00	0.01	0.00	
Mauritania	MRT	..	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	..	0.00	0.01	0.07	0.02	0.00	0.01	0.01	
Mauritius	MUS	0.00	0.00	1.27	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.30	0.13	0.06	0.03	0.00	0.03	
Morocco	MAR	..	0.35	0.02	0.37	0.00	0.01	0.00	0.01	0.01	0.23	0.76	0.00	0.00	0.00	0.52	0.15	0.02	0.07	0.10	
Mozambique	MOZ	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.36	0.07	0.00	0.00	0.00	0.00	
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Niger	NER	..	0.01	..	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	..	0.00	0.00	0.05	0.01	0.00	0.00	0.00	
Nigeria	NGA	0.00	5.24	0.00	3.80	0.00	0.03	0.03	0.00	0.00	0.34	0.00	0.00	0.04	0.04	1.49	0.21	0.55	0.10	0.24	
Reunion	REU	0.00	0.00	0.56	..	0.00	0.00	..	..	0.00	0.00	0.00	0.00	..	0.00	0.02	0.01	0.00	0.00	0.00	
Rwanda	RWA	..	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
Sao Tome and Principe	STP	..	..	..	..	0.00	0.00	..	..	..	..	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Senegal	SEN	..	..	0.00	0.85	0.00	0.01	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.22	0.01	0.00	0.01	0.01	
Seychelles	SYC	..	0.00	..	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sierra Leone	SLE	..	0.00	..	..	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Somalia	SOM	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.06	..	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00	
South Africa	ZAF	5.11	0.22	18.07	1.77	1.40	..	0.19	..	11.69	0.71	0.01	3.40	27.32	50.41	4.57	0.49	0.25	0.43	0.48	
Sudan	SDN	..	0.00	..	0.00	0.19	0.00	..	..	0.00	0.00	0.09	0.00	0.00	0.00	0.02	0.01	0.00	0.02	0.01	
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Tanzania	TZA	..	0.00	0.02	0.00	1.12	0.02	0.44	0.00	..	..	0.00	1.08	0.92	0.07	0.15	0.01	0.00	0.02	0.01	
Togo	TGO	..	0.00	..	0.06	0.00	0.07	0.02	..	0.00	..	0.00	..	0.00	0.00	0.09	0.00	0.01	0.01	0.01	
Tunisia	TUN	..	0.17	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.33	..	0.04	0.02	0.00	0.66	0.24	0.01	0.03	0.11	
Uganda	UGA	..	0.01	0.00	0.00	0.01	0.00	0.01	..	0.10	..	0.00	..	0.00	0.00	0.02	0.02	0.00	0.00	0.01	
Zambia	ZMB	..	0.00	0.00	0.00	0.00	0.08	0.00	0.12	1.38	0.00	0.00	0.11	..	1.32	0.17	0.01	0.01	0.03	0.02	
Zimbabwe	ZWE	0.06	0.00	0.46	0.00	0.00	1.40	0.03	0.00	0.61	0.00	0.01	0.51	10.05	..	0.87	0.04	0.01	0.02	0.04	
Sub-Saharan Africa	SSA	5.20	10.77	21.89	16.72	39.91	2.84	2.77	0.13	27.76	27.18	0.88	40.99	39.76	53.02	11.88	0.94	1.15	0.25	0.83	
European Community	EEC	79.07	61.39	32.54	50.00	12.47	45.78	31.10	52.38	25.46	32.73	78.33	30.79	20.59	22.14	45.91	66.14	16.29	26.44	39.79	
North America	NNA	4.51	5.59	3.51	8.46	4.50	11.68	3.96	4.58	4.62	2.26	4.11	3.85	5.86	6.06	7.57	7.08	30.54	16.23	15.25	
Rest of World	ROW	11.22	22.25	42.06	24.82	43.12	39.70	62.17	42.91	42.15	37.83	16.68	24.36	33.79	18.78	34.64	25.83	52.03	57.09	44.12	
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

Source: International Monetary Fund's Direction of Trade database.

Note: \*\* means "not applicable."



## 5-52. Direction of trade matrix, exports, 2000

Exporters		Importers																		Percentage of total exports									
		DZA	AGO	BEN	BFA	BWA	BDI	CMR	CPV	CAF	TCD	COM	ZAR	COG	CIV	DJI	EGY	GNQ	ERI	ETH	GAB								
Algeria	DZA	**	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	..	0.00	0.00								
Angola	AGO	0.00	**	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	0.00	0.76	0.00	..	0.00	..	..	0.00	0.04								
Benin	BEN	0.00	0.00	**	0.22	0.00	0.00	0.05	0.00	0.01	0.57	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.01								
Burkina Faso	BFA	0.00	0.00	0.01	**	..	0.00	0.00	0.00	0.01	0.01	..	0.00	0.01	0.01	0.00	0.00	0.00	..	0.00	0.00								
Botswana	BWA	..	..	..	..	**	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..								
Burundi	BDI	0.00	0.00	0.00	..	0.00	**	0.00	..	0.00	0.00	..	0.01	0.00	0.00	0.00	0.00	..	..	0.00	..								
Cameroon	CMR	0.00	0.02	0.13	0.00	0.00	0.00	**	0.00	18.03	17.53	0.23	0.45	2.36	0.08	0.00	0.01	4.31	..	0.00	1.85								
Cape Verde	CPV	0.00	0.00	0.00	0.00	..	0.00	0.00	**	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	..	..	0.00	..								
Central African Republic	CAF	0.00	0.00	0.00	0.00	..	..	0.00	0.00	**	0.13	0.00	0.34	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
Chad	TCD	0.00	..	0.00	0.00	..	..	0.00	0.00	2.04	**	..	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00								
Comoros	COM	0.00	0.00	0.00	0.00	..	..	0.00	0.00	..	..	**	0.00	0.00	0.00	0.00	0.00	..	..	0.00	..								
Congo, Dem. Rep. of	ZAR	0.00	0.00	0.00	0.00	..	0.45	0.01	0.00	1.45	0.00	0.00	**	0.21	0.00	0.00	0.00	..	..	0.00	0.00								
Congo, Republic of	COG	0.02	0.51	0.02	0.00	0.00	0.00	0.15	0.23	0.00	0.00	..	1.46	**	0.16	0.00	0.00	0.00	0.00	0.00	0.13								
Cote d'Ivoire	CIV	0.36	1.22	3.33	29.30	0.00	0.03	2.32	0.48	1.08	1.53	0.00	4.57	1.90	**	0.00	0.01	6.79	..	0.00	1.28								
Djibouti	DJI	..	..	0.00	0.00	..	0.34	0.00	..	..	..	0.00	0.00	0.00	0.00	**	0.00	..	..	0.56	..								
Egypt	EGY	0.16	0.01	0.03	0.11	0.00	0.00	0.46	0.00	0.54	0.09	0.09	0.05	0.07	0.11	0.71	**	0.03	..	0.11	0.02								
Equatorial Guinea	GNQ	0.00	..	0.00	0.00	..	..	0.57	..	..	..	..	..	0.00	0.00	..	0.00	**	..	0.01	..								
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**	..	..								
Ethiopia	ETH	0.09	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.02	0.08	..	..	**	..								
Gabon	GAB	0.02	0.06	0.00	0.00	0.00	..	0.09	0.00	0.04	0.00	0.00	1.29	1.16	0.02	..	0.00	0.55	..	..	**								
Gambia, The	GMB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00								
Ghana	GHA	0.02	0.78	1.87	1.45	0.00	..	0.02	0.01	0.00	..	..	0.00	1.43	0.06	0.00	0.01	..	..	0.00	0.00								
Guinea	GIN	0.03	0.00	0.00	0.00	..	..	2.11	0.00	0.00	0.00	0.00	0.00	0.01	0.31	0.00	0.00	..	..	0.00	0.01								
Guinea-Bissau	GNB	0.00	0.00	0.00	0.00	..	..	0.03	0.00	0.00	0.00	..	..	0.00	0.01	..	0.00	..	..	0.00	..								
Kenya	KEN	0.00	0.01	0.01	0.02	0.00	5.37	0.05	0.00	0.00	0.05	7.36	5.09	0.19	0.02	0.54	0.44	0.00	..	2.65	0.01								
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..								
Liberia	LBR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.01	0.08	..	0.02	0.00	..	0.00	0.00								
Libya	LYB	0.02	0.00	0.01	3.06	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.35	..	..	0.00	0.00								
Madagascar	MDG	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	1.66	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.05								
Malawi	MWI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	..	0.00	0.13	0.00	0.00	0.00	0.04	..	..	0.00	0.03								
Mali	MLI	0.00	..	0.00	0.44	..	..	0.00	0.00	0.01	0.00	..	0.00	0.00	0.11	0.00	0.00	..	..	0.00	0.00								
Mauritania	MRT	0.02	0.00	0.00	0.08	..	0.00	0.52	0.00	0.00	0.01	..	0.00	0.91	0.65	..	0.00	0.17	..	0.00	0.04								
Mauritius	MUS	0.00	0.00	0.00	0.03	0.22	0.17	0.02	0.00	0.00	0.00	1.68	0.00	0.00	0.01	0.00	0.00	0.00	..	0.00	0.02								
Morocco	MAR	0.09	0.00	0.47	0.00	0.00	0.00	0.39	0.13	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.04	0.00	..	0.00	0.00								
Mozambique	MOZ	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	..	..	..	0.00	0.01	0.00	0.00	0.00	..	..	0.00	0.00								
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..								
Niger	NER	0.00	..	0.30	0.22	..	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.10	0.00	0.00	0.00	..	0.00	0.00								
Nigeria	NGA	0.02	0.02	0.74	3.90	0.00	0.00	13.04	0.00	1.06	10.82	0.00	11.64	0.48	21.23	0.00	0.01	0.00	..	0.03	0.68								
Reunion	REU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..								
Rwanda	RWA	0.00	..	0.00	0.00	0.00	0.62	0.00	..	0.00	0.00	..	0.15	0.00	0.00	0.00	0.00	..	..	0.00	0.00								
Sao Tome and Principe	STP	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	..	..	..	0.00	0.00	..	0.00	..	..	0.00	0.00								
Senegal	SEN	0.00	0.00	0.43	0.65	0.00	0.00	0.63	0.59	0.48	0.72	0.00	0.03	0.77	0.59	0.00	0.00	0.12	..	0.00	0.40								
Seychelles	SYC	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	..	0.00	..	0.00	0.00	0.00	0.00	..	..	0.00	0.00								
Sierra Leone	SLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00								
Somalia	SOM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.07	0.00	..	..	0.00	0.00								
South Africa	ZAF	0.13	15.88	1.28	1.05	..	4.71	1.72	0.42	0.50	0.23	16.71	17.91	3.72	1.34	0.70	0.11	0.25	..	0.98	1.61								
Sudan	SDN	0.01	0.00	0.00	0.00	..	0.00	0.00	..	0.00	0.00	..	0.00	0.00	0.00	0.00	0.21	..	..	0.20	..								
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..								
Tanzania	TZA	0.00	0.02	0.00	0.00	0.03	8.91	0.00	0.00	..	0.00	0.13	1.26	0.04	0.00	0.02	0.00	0.00	..	0.06	0.00								
Togo	TGO	0.01	..	3.82	2.16	..	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.12	0.06	..	0.01	0.02	..	..	0.08								
Tunisia	TUN	0.67	0.00	0.09	0.61	0.00	0.00	0.10	0.00	0.00	0.13	0.02	0.00	0.18	0.15	0.15	0.18	0.02	..	0.02	0.13								
Uganda	UGA	0.11	..	0.00	0.00	..	0.00	0.00	..	0.00	..	..	0.00	0.01	0.00	..	0.00	..	..	0.00	..								
Zambia	ZMB	0.00	0.02	0.00	0.00	0.90	3.69	0.00	..	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	..	..	0.02	0.00								
Zimbabwe	ZWE	0.01	0.36	0.00	0.00	21.57	0.83	0.11	0.00	0.00	0.00	0.00	1.31	0.33	0.00	0.00	0.02	0.00	..	0.03	0.00								
Sub-Saharan Africa	SSA	0.85	18.45	11.97	39.16	22.72	15.12	21.46	1.70	24.73	31.57	27.76	45.63	14.52	24.87	11.36	0.77	12.20	..	4.53	6.24								
European Community	EEC	61.73	47.35	39.34	46.59	48.23	45.52	61.23	88.16	55.78	48.48	43.20	35.67	53.02	49.21	30.19	38.71	45.07	..	35.39	81.13								
North America	NNA	13.28	11.49	2.26	4.04	14.94	1.88	4.91	2.94	2.37	5.81	1.55	1.78	11.69	3.71	3.													

Exporters	Importers	Percentage of total exports																			
		GMB	GHA	GIN	GNB	KEN	LSO	LBR	LBY	MDG	MWI	MLI	MRT	MUS	MAR	MOZ	NAM	NER	NGA	REU	RWA
Algeria	DZA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	4.13	0.00	1.15	0.00	..	0.30	0.45	..	0.00
Angola	AGO	0.00	0.05	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	0.00	0.00	0.01	..	..	0.00	..	0.00
Benin	BEN	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.10	0.00	0.03	0.05	..	0.00	1.43	0.01	..	0.00
Burkina Faso	BFA	0.00	0.31	0.00	0.03	0.00	..	0.00	0.00	0.00	0.00	0.40	0.00	0.19	0.00	0.00	..	1.13	0.00	..	0.00
Botswana	BWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	BDI	0.00	..	..	..	0.21	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.00	0.00	..	1.11
Cameroon	CMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.13	0.00	0.00	0.04	0.05	..	0.00
Cape Verde	CPV	0.00	0.00	0.00	0.06	0.00	..	0.00	..	0.00	..	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.00
Central African Republic	CAF	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00
Chad	TCD	0.00	0.00	0.00	..	0.00	..	0.00	0.00	0.00	..	0.00	..	0.00	0.00	..	..	0.00	0.05	..	0.00
Comoros	COM	..	0.00	0.00	..	0.00	..	0.00	..	0.01	..	..	..	0.00	0.00	..	..	0.00	0.00	..	..
Congo, Dem. Rep. of	ZAR	0.00	0.00	0.00	..	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	..	0.00	0.00	..	3.15
Congo, Republic of	COG	0.00	0.00	0.66	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	..	0.00	0.00	..	0.00
Cote d'Ivoire	CIV	4.05	4.77	8.58	0.60	0.10	0.00	0.83	0.02	0.06	0.00	27.35	1.21	0.03	0.16	0.01	..	11.19	0.50	..	0.02
Djibouti	DJI	..	..	0.00	..	0.00	..	..	0.00	0.00	..	..	..	0.00	0.00	..	..	..	0.00	..	0.00
Egypt	EGY	0.02	0.13	0.04	0.12	0.34	0.00	0.00	1.42	0.02	0.01	0.07	0.00	0.22	0.15	0.00	0.01	0.02	0.05	..	0.04
Equatorial Guinea	GNQ	0.00	0.00	0.00	..	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	..	..	0.00	0.00	..	0.00
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	ETH	0.00	0.00	0.00	..	0.15	..	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	..	0.00	0.00	..	0.30
Gabon	GAB	0.00	0.00	0.62	..	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.22	0.00	..	0.00	0.00	..	0.01
Gambia, The	GMB	**	0.01	0.06	0.35	0.00	..	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	..	0.00	0.00	..	..
Ghana	GHA	0.26	**	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	..				

(Table continues on the following page)

Note: \*\* means "not applicable."

## 5-52. Direction of trade matrix, exports, 2000 (continued)

Exporters		Importers					Percentage of total exports														
		STP	SEN	SYC	SLE	SOM	ZAF	SDN	SWZ	TZA	TGO	TUN	UGA	ZMB	ZWE	SSA	EEC	NNA	ROW	World	
Algeria	DZA	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.18	0.92	0.00	0.00	0.00	0.35	0.59	0.24	0.13	0.32	
Angola	AGO	0.00	0.00	0.00	..	0.00	0.15	0.00	0.00	0.00	0.36	0.00	..	0.00	0.00	..	0.06	0.23	0.11	0.12	
Benin	BEN	0.00	0.05	..	0.00	0.00	0.00	0.00	..	0.00	0.06	0.00	..	0.00	0.00	0.02	0.00	0.00	0.00	..	
Burkina Faso	BFA	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	..	
Botswana	BWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Burundi	BDI	..	0.00	..	0.00	0.00	0.00	0.00	0.00	0.01	..	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	
Cameroon	CMR	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.05	0.00	0.00	0.00	0.18	0.07	0.01	0.02	0.04	
Cape Verde	CPV	0.00	0.00	..	..	..	0.00	..	..	0.00	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Central African Republic	CAF	..	0.00	..	0.00	..	0.00	0.03	..	..	0.00	0.00	..	0.00	0.00	0.00	0.01	0.00	0.00	0.00	
Chad	TCD	..	0.00	..	..	0.00	0.00	0.03	..	0.00	0.00	0.02	..	0.00	0.00	0.01	0.00	0.00	0.00	0.00	
Comoros	COM	..	0.00	0.00	..	..	0.00	..	..	0.00	0.00	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Congo, Dem. Rep. of	ZAR	0.00	0.01	0.01	0.00	0.00	0.01	0.00	..	0.01	0.03	0.00	0.00	0.00	0.01	0.02	0.04	0.02	0.00	0.02	
Congo, Republic of	COG	0.00	0.16	..	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.03	0.08	0.04	
Cote d'Ivoire	CIV	2.20	7.54	0.00	3.04	0.01	0.04	0.00	0.00	0.03	8.60	0.13	0.01	0.01	0.01	1.56	0.07	0.02	0.02	0.06	
Djibouti	DJI	..	0.00	0.00	0.00	29.31	..	0.00	..	0.00	..	0.00	..	..	0.00	0.12	0.00	0.00	0.00	0.00	
Egypt	EGY	0.00	0.09	0.00	0.00	0.10	0.03	1.91	0.00	0.29	0.01	0.42	0.12	0.04	0.06	0.27	0.11	0.06	0.08	0.09	
Equatorial Guinea	GNQ	..	0.01	0.00	..	..	..	..	..	0.00	0.00	0.00	..	..	..	0.01	0.03	0.01	0.01	0.02	
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Ethiopia	ETH	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.22	..	0.00	0.01	0.01	0.15	0.12	0.01	0.00	0.01	0.01	
Gabon	GAB	2.78	0.20	..	0.00	0.00	0.02	0.00	0.00	0.02	0.23	0.02	..	0.00	0.01	0.04	0.04	0.14	0.04	0.06	
Gambia, The	GMB	..	0.01	..	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Ghana	GHA	0.02	0.14	0.00	0.04	0.00	0.02	0.00	0.00	0.00	27.48	0.01	0.00	0.01	0.02	0.58	0.03	0.02	0.01	0.03	
Guinea	GIN	..	0.01	0.00	0.01	0.00	0.00	..	..	0.01	0.00	0.01	0.00	0.00	0.00	0.08	0.02	0.01	0.01	0.01	
Guinea-Bissau	GNB	0.00	0.00	0.00	0.00	..	0.00	..	0.00	0.00	0.02	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Kenya	KEN	0.00	0.00	0.84	0.05	13.25	0.03	4.03	0.00	6.26	0.01	0.01	43.17	0.27	0.42	1.04	0.03	0.01	0.02	0.03	
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Liberia	LBR	..	0.06	0.00	0.41	0.00	0.00	..	..	0.00	0.07	0.01	0.00	0.00	0.00	0.03	0.02	0.00	0.01	0.01	
Libya	LYB	..	0.01	..	0.00	0.00	0.00	0.15	..	0.00	0.00	3.33	0.00	0.00	0.00	0.54	0.48	0.00	0.06	0.20	
Madagascar	MDG	0.14	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.05	0.02	0.01	0.01	0.01	
Malawi	MWI	..	0.01	0.02	0.11	0.00	0.34	0.00	0.00	0.13	0.01	0.01	0.21	0.23	0.59	0.15	0.01	0.00	0.00	0.01	
Mali	MLI	..	0.00	0.00	0.00	0.00	0.01	..	..	0.00	0.05	0.04	..	0.00	0.05	0.03	0.00	0.00	0.00	0.00	
Mauritania	MRT	..	0.01	..	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	..	0.00	0.00	0.08	0.01	0.00	0.00	0.01	
Mauritius	MUS	0.00	0.00	1.67	0.00	0.00	0.04	0.00	0.01	0.18	0.10	0.00	0.10	0.01	0.42	0.15	0.04	0.02	0.00	0.02	
Morocco	MAR	..	0.58	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.01	0.31	0.22	0.03	0.09	0.13	
Mozambique	MOZ	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.73	0.00	0.00	0.00	0.00	0.01	4.68	0.18	0.00	0.00	0.00	0.01	
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Niger	NER	..	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	..	0.00	0.00	0.12	0.00	0.00	0.00	0.00	
Nigeria	NGA	0.00	13.85	0.00	4.46	0.00	1.01	0.03	0.00	0.04	0.44	0.00	0.00	0.03	0.02	2.84	0.24	0.68	0.17	0.34	
Reunion	REU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.00	..	0.00	..	..	
Rwanda	RWA	..	0.00	0.00	..	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sao Tome and Principe	STP	..	..	..	..	0.00	0.00	..	..	0.00	..	0.00	..	..	0.00	0.00	0.00	0.00	0.00	0.00	
Senegal	SEN	..	..	0.00	1.15	0.00	0.00	0.00	0.00	0.01	0.68	0.02	0.00	0.01	0.00	0.25	0.01	0.00	0.01	0.01	
Seychelles	SYC	..	0.00	..	..	0.00	0.01	0.00	0.00	0.00	..	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	
Sierra Leone	SLE	..	0.00	..	..	0.00	0.00	0.00	..	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Somalia	SOM	0.00	0.00	0.00	0.00	..	0.00	0.00	0.00	0.00	..	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
South Africa	ZAF	1.65	0.72	9.68	0.81	0.08	..	0.54	..	14.64	0.29	0.05	6.11	65.67	50.48	5.47	0.38	0.18	0.25	0.34	
Sudan	SDN	..	0.00	0.00	0.00	0.26	0.32	..	..	0.02	0.00	0.05	0.00	0.00	0.00	0.17	0.01	0.00	0.06	0.03	
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Tanzania	TZA	0.00	0.00	0.02	0.02	0.17	0.06	0.03	0.29	..	0.00	0.00	3.09	0.97	0.22	0.18	0.02	0.00	0.01	0.01	
Togo	TGO	..	0.02	..	0.08	0.00	0.05	0.02	..	0.00	..	0.00	..	0.00	0.00	0.19	0.00	0.00	0.01	0.01	
Tunisia	TUN	0.02	0.53	0.00	0.00	0.00	0.03	0.03	1.19	0.00	0.10	..	0.00	0.00	0.00	0.67	0.21	0.00	0.03	0.09	
Uganda	UGA	..	0.00	0.00	0.00	0.01	0.01	0.02	..	0.38	..	0.00	..	0.01	0.00	0.03	0.01	0.00	0.00	0.01	
Zambia	ZMB	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.66	1.84	0.00	0.00	0.19	..	1.71	0.42	0.01	0.00	0.01	0.01	
Zimbabwe	ZWE	0.20	0.03	0.48	0.04	0.00	1.01	0.35	1.01	0.30	0.00	0.01	0.25	6.54	..	..	..	..	..	..	
Sub-Saharan Africa	SSA	6.90	23.15	12.14	10.74	43.06	4.11	5.11	2.70	24.14	13.85	0.49	53.18	73.85	48.80	1.10	1.24	1.43	0.21	1.31	
European Community	EEC	78.62	51.06	37.88	66.70	13.49	43.10	30.75	24.00	23.05	28.60	77.55	22.35	12.49	17.33	41.20	62.21	16.47	23.19	35.86	
North America	NNA	2.55	4.87	2.20	6.59	2.01	13.06	2.61	11.17	4.35	1.86	3.44	3.57	2.38	4.08	7.87	7.79	29.25	17.32	16.47	
Rest of World	ROW	11.84	20.91	47.18	16.46	41.42	39.73	61.53	62.13	48.46	29.65	18.52	20.90	11.29	19.79	35.83	28.76	52.85	58.58	40.40	
World	WLD	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

Source: International Monetary Fund's Direction of Trade database.

Note: \*\* means "not applicable."

## 5-53. Direction of trade matrix, current U.S. dollars, 1990

Exporters		Importers Millions of current US dollars																			
		DZA	AGO	BEN	BFA	BWA	BDI	CMR	CPV	CAF	TCD	COM	ZAR	COG	CIV	DJI	EGY	GNQ	ERI	ETH	GAB
Algeria	DZA	**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0
Angola	AGO	0	**	0	0	0	0	1	1	0	0	0	0	0	1	11	0	0	0	0	0
Benin	BEN	0	0	**	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0
Burkina Faso	BFA	0	0	1	**	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0
Botswana	BWA	0	0	0	0	**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Burundi	BDI	0	0	0	0	0	**	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Cameroon	CMR	1	0	1	1	0	0	**	0	33	6	0	3	27	7	0	1	37	0	0	32
Cape Verde	CPV	0	0	0	0	0	0	0	**	0	0	0	0	0	0	0	0	0	0	0	0
Central African Republic	CAF	0	0	0	0	0	0	0	0	**	1	0	0	0	0	0	0	0	0	0	0
Chad	TCD	0	0	0	0	0	0	1	0	0	**	0	0	0	0	0	0	0	0	0	0
Comoros	COM	0	0	0	0	0	0	0	0	0	0	**	0	0	0	0	0	0	0	0	0
Congo, Dem. Rep. of	ZAR	0	0	0	0	0	1	0	0	1	0	0	**	1	1	0	7	0	0	0	1
Congo, Republic of	COG	0	4	0	0	0	0	0	0	0	0	0	6	**	0	0	0	0	0	0	0
Cote d'Ivoire	CIV	11	12	18	124	3	0	10	3	1	1	0	42	4	**	0	0	0	0	0	8
Djibouti	DJI	0	0	0	0	0	1	0	0	0	0	0	0	0	0	**	0	0	0	13	0
Egypt	EGY	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	**	0	0	0	0
Equatorial Guinea	GNQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**	0	0	0
Eritrea	ERI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**	0	0
Ethiopia	ETH	0	0	0	0	0	0	0	0	1	0	0	0	0	0	35	0	0	0	**	0
Gabon	GAB	20	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	**
Gambia, The	GMB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ghana	GHA	0	0	15	4	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
Guinea	GIN	0	0	0	0	0	0	47	0	0	0	0	0	0	3	0	0	0	0	0	0
Guinea-Bissau	GNB	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Kenya	KEN	0	6	0	0	0	20	0	0	0	0	0	25	0	0	23	15	0	0	9	0
Lesotho	LSO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liberia	LBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Libya	LBY	6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	79	0	0	0	0
Madagascar	MDG	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Malawi	MWI	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Mali	MLI	0	0	0	1	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0
Mauritania	MRT	0	0	1	0	0	0	4	0	0	0	0	0	1	15	0	0	0	0	0	0
Mauritius	MUS	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Morocco	MAR	57	0	0	0	0	0	6	0	0	0	0	7	0	7	0	0	0	0	0	8
Mozambique	MOZ	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Namibia	NAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niger	NER	0	0	1	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Nigeria	NGA	0	0	1	0	0	0	74	0	0	25	0	32	0	225	0	0	0	0	0	0
Reunion	REU	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Rwanda	RWA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sao Tome and Principe	STP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Senegal	SEN	0	0	4	3	0	0	38	0	0	0	0	1	5	22	0	0	0	0	0	2
Seychelles	SYC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sierra Leone	SLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Somalia	SOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
South Africa	ZAF	0	0	0	0	0	0	0	0	0	0	0	26	3	10	0	0	0	0	0	0
Sudan	SDN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0	0
Swaziland	SWZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanzania	TZA	0	0	0	0	1	1	0	0	0	0	0	2	0	0	0	2	0	0	0	0
Togo	TGO	0	0	6	9	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1
Tunisia	TUN	81	2	3	1	0	0	10	0	0	0	0	0	1	8	2	4	2	0	0	1
Uganda	UGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
Zambia	ZMB	0	1	0	0	0	1	0	0	0	0	0	8	0	0	0	0	0	0	0	0
Zimbabwe	ZWE	0	11	0	0	87	3	0	0	0	0	0	14	0	0	0	4	0	0	1	0
Sub-Saharan Africa	SSA	31	74	49	143	31	28	177	5	36	32	5	163	43	341	59	65	38	0	23	44
European Community	EEC	6,498	1,097	219	235	113	122	953	103	105	100	64	886	441	1,081	129	5,487	48	0	575	540
North America	NNA	1,190	159	25	16	21	1	73	6	1	8	0	147	90	86	8	2,306	0	0	174	54
Rest of World	ROW	1,655	278	122	41	68	28	191	12	17	12	8	632	89	228	149	4,324	7	0	382	100
World	WLD	9,375	1,567	413	435	295	179	1,393	127	160	152	78	1,828	662	1,736	345	12,182	93	0	1,154	739

(Table continues on the following page)

Source: International Monetary Fund's Direction of Trade database.

1990 and 1995 values for South African trade is taken by looking at partner countries data.

Note: \*\* means "not applicable."

## 5-53. Direction of trade matrix, current U.S. dollars, 1990 (continued)

		Millions of current US dollars																			
		Importers																			
Exporters		GMB	GHA	GIN	GNB	KEN	LSO	LBR	LBV	MDG	MWI	MLI	MRT	MUS	MAR	MOZ	NAM	NER	NGA	REU	RWA
Algeria	DZA	0	0	0	0	0	0	0	3	0	0	0	35	0	42	0	..	0	0	0	0
Angola	AGO	..	0	0	0	0	..	0	0	0	0	..	..	0	0	0	..	..	0	0	0
Benin	BEN	0	0	0	0	0	..	0	0	0	..	0	0	0	11	..	..	1	24	0	0
Burkina Faso	BFA	..	0	0	..	0	..	0	0	0	..	1	0	0	0	0	..	1	1	..	0
Botswana	BWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	BDI	..	..	..	..	2	0	0	0	..	0	..	0	0	0	0	..	0	0	..	1
Cameroon	CMR	0	0	2	0	0	0	0	0	0	0	0	0	0	4	0	..	0	22	0	0
Cape Verde	CPV	0	0	0	0	0	..	0	..	0	..	0	0	0	0	0	..	0	0	..	0
Central African Republic	CAF	..	..	..	0	0	..	0	0	0	0	0	0	0	167	0	0	0	0	0	0
Chad	TCD	..	0	0	..	0	..	0	0	0	..	0	..	0	0	..	..	0	0	..	0
Comoros	COM	..	..	..	..	0	..	0	..	0	..	..	..	0	0	..	..	0	0	0	0
Congo, Dem. Rep. of	ZAR	..	0	0	..	0	..	0	0	0	0	0	0	0	0	0	..	0	0	0	2
Congo, Republic of	COG	0	0	0	0	0	..	0	0	0	0	0	0	0	6	0	..	0	1	4	0
Cote d'Ivoire	CIV	12	96	57	7	3	..	14	0	4	0	125	5	14	12	26	..	37	47	1	0
Djibouti	DJI	..	..	..	..	0	..	..	0	0	..	..	..	0	0	..	..	..	0	0	0
Egypt	EGY	0	0	0	0	0	0	0	44	0	0	0	0	0	6	0	..	0	1	0	0
Equatorial Guinea	GNQ	..	..	..	..	0	..	0	..	..	..	0	0	..	0	..	..	0	0	..	0
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	ETH	0	0	0	..	1	..	0	0	0	0	0	0	0	0	0	..	0	0	0	0
Gabon	GAB	0	0	0	..	0	0	0	0	0	0	0	0	0	46	0	..	0	0	0	0
Gambia, The	GMB	**	1	7	0	0	..	0	0	0	0	0	0	0	0	0	..	0	0	..	..
Ghana	GHA	0	**	0	0	0	0	0	1	0	0	0	0	0	0	0	..	0	1	0	0
Guinea	GIN	0	0	**	0	0	..	0	0	0	..	0	0	0	0	0	..	0	0	0	0
Guinea-Bissau	GNB	0	..	0	**	0	..	0	..	0	0	0	0	..	0	0	..	0	0	..	0
Kenya	KEN	0	0	0	0	**	0	0	0	0	0	0	0	3	0	1	0	0	0	4	75
Lesotho	LSO	..	..	..	..	..	**	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	LBR	0	0	0	0	0	0	**	0	0	0	0	0	0	0	0	..	0	0	..	0
Libya	LBV	0	0	0	..	0	..	0	**	0	0	0	0	0	115	0	..	0	0	..	0
Madagascar	MDG	0	0	0	..	1	0	0	0	**	0	0	0	7	1	6	0	0	0	17	0
Malawi	MWI	0	0	0	0	0	0	0	0	0	**	..	0	0	0	2	..	0	0	0	1
Mali	MLI	0	0	0	0	0	..	0	0	0	..	**	..	0	10	..	..	0	0	0	0
Mauritania	MRT	0	0	0	0	0	..	3	0	0	0	0	**	0	0	0	..	0	0	..	0
Mauritius	MUS	0	0	0	..	1	..	0	0	9	0	0	0	**	0	0	..	0	0	22	0
Morocco	MAR	0	0	0	0	0	..	0	118	0	0	0	0	0	**	0	..	0	12	0	0
Mozambique	MOZ	0	0	0	0	1	0	0	0	1	2	..	0	0	0	**	..	0	0	0	0
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**	..	..	..	..
Niger	NER	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	..	**	8	0	0
Nigeria	NGA	1	225	6	0	4	0	7	0	0	0	0	0	0	2	0	0	4	**	0	0
Reunion	REU	..	0	..	0	0	..	0	..	6	0	0	..	3	0	0	..	0	0	**	..
Rwanda	RWA	..	0	0	..	0	0	0	0	0	0	0	0	0	0	0	..	0	0	0	**
Sao Tome and Principe	STP	..	0	..	0	0	..	0	..	..	..	..	..	0	..	0	..	..	0	..	..
Senegal	SEN	6	1	5	3	0	..	1	0	0	0	58	0	0	1	0	..	0	4	0	0
Seychelles	SYC	..	0	0	..	0	..	0	..	0	0	0	0	0	0	0	0	0	0	0	0
Sierra Leone	SLE	0	0	0	..	0	..	0	0	..	0	0	..	0	0	..	..	0	0	..	..
Somalia	SOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	..	0	0	0	0
South Africa	ZAF	0	0	0	0	8	..	0	0	0	178	0	0	143	0	0	..	0	0	41	0
Sudan	SDN	0	0	..	..	0	..	0	1	0	0	0	0	0	0	0	..	0	0	..	0
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	TZA	0	0	..	..	12	0	0	0	0	1	0	0	0	0	1	..	0	1	1	0
Togo	TGO	0	4	4	0	0	..	0	0	0	0	1	0	0	6	..	..	4	9	..	0
Tunisia	TUN	0	9	1	4	0	0	0	161	0	0	0	2	0	24	0	..	0	2	1	0
Uganda	UGA	..	0	..	..	0	..	0	0	0	0	0	..	0	0	0	..	0	0	0	3
Zambia	ZMB	0	0	0	..	7	0	0	0	0	4	0	0	0	0	0	0	0	0	..	0
Zimbabwe	ZWE	0	1	0	0	18	3	0	0	0	72	0	0	1	0	56	1	0	1	0	1
Sub-Saharan Africa	SSA	103	659	322	69	1,087	25	1,293	3,437	328	150	265	311	508	4,597	353	156	185	3,216	1,496	111
European Community	EEC	0	153	49	1	163	3	46	40	13	16	13	15	13	674	72	47	15	577	5	2
North America	NNA	73	322	84	30	750	12	2,517	1,623	119	-57	62	109	480	1,977	308	5	26	1,891	62	38
Rest of World	ROW	155	1,454	536	111	2,058	42	3,881	5,105	481	105	225	441	1,113	3,714	815	204	213	4,813	1,533	233
World	WLD	155	1,454	536	111	2,058	42	3,881	5,105	481	105	225	441	1,113	3,714	815	204	213	4,813	1,533	233

(Table continues on the following page)

Source: International Monetary Fund's Direction of Trade database.

1990 and 1995 values for South African trade is taken by looking at partner countries data.

Note: \*\* means "not applicable."

## 5-53. Direction of trade matrix, current U.S. dollars, 1990 (continued)

		Importers																		
		Millions of current US dollars																		
Exporters		STP	SEN	SYC	SLE	SOM	ZAF	SDN	SWZ	TZA	TGO	TUN	UGA	ZMB	ZWE	SSA	EEC	NNA	ROW	World
Algeria	DZA	0	0	0	0	0	0	0	0	0	0	177	0	0	0	278	7,674	2,154	903	11,609
Angola	AGO	0	0	0	0	0	0	0	0	0	3	0	0	0	0	18	1,364	1,958	408	3,748
Benin	BEN	0	0	0	0	0	0	0	0	0	4	0	0	0	0	49	29	29	16	122
Burkina Faso	BFA	0	0	0	0	0	0	0	0	0	5	0	0	0	0	26	63	0	62	52
Botswana	BWA																			
Burundi	BDI	0	0	0	0	0	0	0	0	0	0	0	1	0	1	6	32	9	27	75
Cameroon	CMR	0	4	0	0	0	0	0	0	0	1	4	0	0	0	188	1,372	302	164	2,626
Cape Verde	CPV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	7
Central African Republic	CAF	0	0	0	0	0	0	1	0	0	0	1	0	0	0	170	99	2	12	283
Chad	TCD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	66	1	21	89
Comoros	COM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	4	1	23
Congo, Dem Rep of	ZAR	0	0	0	0	0	0	0	0	0	0	1	0	7	82	105	882	253	114	1,353
Congo, Republic of	COG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	647	357	183	1,209
Cote d'Ivoire	CIV	0	61	0	16	0	14	1	0	22	70	16	0	0	0	898	1,504	169	242	2,813
Djibouti	DJI	0	0	0	0	21	0	0	0	0	0	0	0	0	0	35	5	0	20	59
Egypt	EGY	0	0	0	0	0	0	21	0	0	0	18	0	0	0	96	1,018	228	1,242	2,585
Equatorial Guinea	GNQ	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	32	0	2	35
Entrea	ERI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	119	33	105	294
Ethiopia	ETH	0	36	0	0	0	0	0	0	0	5	4	0	0	0	116	1,135	732	501	2,483
Gabon	GAB	0	0	0	0	0	0	0	0	0	0	4	0	0	0	12	90	0	70	172
Gambia, The	GMB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	787	167	249	1,235
Ghana	GHA	0	0	0	0	0	0	0	0	0	7	0	0	0	0	51	346	140	69	606
Guinea	GIN	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	0	14	34
Guinea-Bissau	GNB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenya	KEN	0	0	0	0	16	1	15	0	22	0	0	190	2	8	436	418	34	232	1,120
Lesotho	LSO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liberia	LBR	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	812	51	1,076	1,943
Libya	LYB	2	0	0	0	0	0	151	0	31	0	72	0	0	0	458	11,711	0	1,709	13,878
Madagascar	MDG	0	0	0	0	1	0	0	0	2	0	0	0	0	0	37	170	108	52	366
Malawi	MWI	0	0	0	0	0	29	0	0	2	0	0	0	11	13	63	203	49	104	419
Mali	MLI	2	0	0	0	0	0	0	0	0	0	11	0	0	0	36	91	16	108	252
Mauritania	MRT	0	0	0	0	0	0	0	0	0	1	1	0	0	0	26	281	0	162	469
Mauritius	MUS	0	0	3	0	0	6	0	0	0	0	0	0	0	3	49	954	158	41	1,202
Morocco	MAR	0	5	0	0	0	0	0	0	0	0	62	0	0	0	282	2,788	95	1,407	4,572
Mozambique	MOZ	0	0	0	0	0	4	0	0	0	0	0	0	0	1	12	83	29	258	381
Namibia	NAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niger	NER	0	43	0	16	0	0	0	0	0	1	0	0	0	0	16	209	44	4	272
Nigeria	NGA	0	0	0	0	0	0	0	0	0	4	0	0	0	0	670	3,753	5,696	154	10,273
Reunion	REU	0	0	1	0	0	1	0	0	0	0	0	0	0	0	11	157	0	15	183
Rwanda	RWA	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	64	6	27	100
Sao Tome and Principe	STP	**	**	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	8	29
Senegal	SEN	0	**	0	0	0	0	0	0	0	5	5	0	0	0	164	411	2	285	361
Seychelles	SYC	0	**	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	1	14
Sierra Leone	SLE	0	0	**	0	0	0	0	0	0	0	0	0	0	0	0	91	35	11	137
Somalia	SOM	0	0	0	0	**	0	0	0	0	0	0	0	0	0	2	56	0	92	150
South Africa	ZAF	0	0	25	0	0	**	0	0	0	0	1	0	206	397	1,037	8,703	1,765	3,774	15,278
Sudan	SDN	0	0	0	0	0	0	**	0	0	0	3	0	0	0	36	197	14	267	313
Swaziland	SWZ	0	0	0	0	1	0	2	0	**	0	0	4	2	3	35	168	29	184	416
Tanzania	TZA	0	0	0	0	0	0	0	0	0	**	1	0	0	0	45	110	36	77	268
Togo	TGO	0	0	0	0	0	0	0	0	0	0	**	0	0	0	339	2,733	34	450	3,556
Tunisia	TUN	1	0	0	0	0	10	1	0	0	4	**	3	1	1	12	135	19	15	181
Uganda	UGA	0	0	0	0	0	0	0	0	1	0	5	**	0	0	42	166	9	326	544
Zambia	ZMB	0	0	0	0	0	2	0	0	3	0	0	0	**	16	478	620	125	268	4,491
Zimbabwe	ZWE	0	0	0	0	0	131	1	1	12	0	0	6	51	**	4,982	26,503	12,381	9,818	53,684
Sub-Saharan Africa	SSA	0	151	30	33	40	188	20	1	64	106	60	202	279	525	28,390	981,260	117,882	360,833	1,488,365
European Community	EEC	28	813	72	119	192	7,222	471	26	568	352	3,879	202	414	464	4,095	114,027	178,662	222,828	519,613
North America	NNA	14	63	2	28	14	1,842	48	9	63	34	223	29	89	152	14,034	354,550	298,804	652,640	1,320,029
Rest of World	ROW	5	218	44	37	106	2,918	671	25	485	228	1,140	97	64	9	51,501	1,476,340	607,729	1,246,119	3,381,690
World	WLD	46	1,245	148	217	352	12,169	1,211	61	1,179	720	5,303	529	846	1,150					

Source: International Monetary Fund's Direction of Trade database

1990 and 1995 values for South African trade is taken by looking at partner countries data

Note: \*\* means "not applicable"

## 5-54. Direction of trade matrix, current U.S. dollars, 1995

Exporters		Importers																			Millions of current US dollars										
		DZA	AGO	BEN	BFA	BWA	BDI	CMR	CPV	CAF	TCD	COM	ZAR	COG	CIV	DJI	EGY	GNQ	ERI	ETH	GAB										
Algeria	DZA	**	0	0	0	0	0	0	0	0	3	0	0	0	0	0	5	0	..	0	0										
Angola	AGO	0	**	0	0	..	0	0	2	0	..	..	0	3	1	..	0	..	..	0	0										
Benin	BEN	0	0	**	0	0	0	0	1	0	0	0	0	0	1	0	0	0	..	0	0										
Burkina Faso	BFA	0	0	1	**	..	0	0	0	0	0	..	0	0	34	0	0	0	..	0	0										
Botswana	BWA	..	..	..	..	**	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Burundi	BDI	0	0	0	..	0	**	0	..	0	0	..	0	0	0	0	0	..	..	0	..										
Cameroon	CMR	0	2	2	0	0	0	**	0	13	6	0	3	17	9	0	0	24	..	0	25										
Cape Verde	CPV	1	0	0	0	..	0	0	**	0	0	0	0	0	0	..	0	..	..	0	0										
Central African Republic	CAF	0	0	0	0	..	..	0	0	**	1	0	4	2	0	0	0	0	..	0	0										
Chad	TCD	0	..	..	0	..	..	0	0	1	**	..	0	0	0	..	0	0	..	0	0										
Comoros	COM	0	0	..	0	..	..	0	0	..	..	**	0	0	0	0	0	..	..	..	..										
Congo, Dem. Rep. of	ZAR	1	0	0	0	..	2	0	0	1	0	0	**	1	0	0	1	..	..	0	0										
Congo, Republic of	COG	1	6	0	0	0	0	0	0	0	0	..	7	**	0	0	1	0	..	0	0										
Cote d'Ivoire	CIV	3	5	38	94	0	0	0	2	14	2	0	29	6	**	0	1	0	..	0	11										
Djibouti	DJI	..	..	0	0	..	0	0	..	..	..	0	0	0	0	**	0	..	..	26	..										
Egypt	EGY	31	1	0	0	0	0	0	0	0	0	0	0	4	7	1	**	0	0	1	0										
Equatorial Guinea	GNQ	0	..	..	0	..	..	28	..	..	..	..	..	0	5	..	0	**	..	..	0										
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**	..	..										
Ethiopia	ETH	0	..	0	0	0	0	0	0	0	0	0	0	0	0	39	3	..	..	**	..										
Gabon	GAB	10	2	0	0	0	..	2	0	0	0	0	6	0	2	..	1	0	..	..	**										
Gambia, The	GMB	0	0	0	0	0	0	0	0	0	0	..	0	0	0	..	0	0	..	0	0										
Ghana	GHA	1	8	18	5	0	..	0	0	0	..	..	0	6	8	0	1	..	..	0	0										
Guinea	GIN	0	0	0	0	..	..	28	0	0	0	0	0	0	0	0	0	..	..	0	0										
Guinea-Bissau	GNB	0	0	0	0	..	..	1	0	0	0	..	..	0	1	..	0	..	..	0	..										
Kenya	KEN	0	0	0	0	0	8	0	0	0	0	2	41	0	0	1	58	0	0	53	0										
Lesotho	LSO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Liberia	LBR	0	0	0	0	0	0	0	0	0	0	..	0	0	4	..	0	0	..	0	0										
Libya	LBY	2	0	0	0	..	0	0	0	0	0	..	0	0	0	..	91	..	..	0	0										
Madagascar	MDG	5	0	0	0	..	0	0	0	0	0	4	0	0	0	0	0	0	..	0	0										
Malawi	MWI	0	0	0	0	0	1	0	..	0	..	0	0	0	0	0	2	..	..	0	0										
Mali	MLI	0	..	0	1	..	..	0	0	0	0	..	0	0	3	0	0	..	..	..	0										
Mauritania	MRT	2	0	0	0	..	0	15	0	0	0	..	0	4	16	..	0	0	..	0	0										
Mauritius	MUS	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	..	..	0	0										
Morocco	MAR	56	2	2	1	0	0	3	0	0	0	0	8	3	19	0	4	1	..	0	6										
Mozambique	MOZ	0	0	0	0	0	0	0	0	..	..	..	0	0	0	0	0	..	..	0	0										
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Niger	NER	0	..	2	1	..	0	0	0	0	0	0	0	0	6	0	0	0	..	0	0										
Nigeria	NGA	0	0	0	24	0	0	90	0	1	12	0	53	2	338	0	0	0	..	0	3										
Reunion	REU	0	0	..	0	..	0	0	0	..	..	2	0	0	0	0	0	..	..	0	0										
Rwanda	RWA	0	..	0	0	0	0	0	..	0	0	..	1	0	0	0	0	..	..	0	0										
Sao Tome and Principe	STP	0	0	..	..	..	0	0	0	..	..	..	..	0	0	..	0	..	..	..	0										
Senegal	SEN	1	0	14	5	0	0	9	3	1	1	0	0	3	10	0	0	0	..	0	1										
Seychelles	SYC	0	0	..	0	0	0	0	..	..	..	0	..	0	0	0	0	..	..	0	..										
Sierra Leone	SLE	0	0	0	0	0	0	0	0	0	0	..	0	0	0	..	0	0	..	0	0										
Somalia	SOM	0	0	..	0	0	0	0	..	..	0	0	0	0	0	0	0	..	..	0	0										
South Africa	ZAF	6	149	1	8	..	3	11	0	1	0	21	214	0	25	1	18	2	..	1	6										
Sudan	SDN	0	0	..	0	..	0	0	..	0	0	..	0	0	0	0	2	..	..	1	..										
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Tanzania	TZA	0	0	0	0	1	6	0	0	..	..	0	3	0	0	1	2	..	..	1	..										
Togo	TGO	0	..	1	5	..	0	0	0	0	0	0	0	0	0	..	0	0	..	..	1										
Tunisia	TUN	185	0	0	1	0	0	8	0	0	0	0	0	0	8	0	25	0	..	0	1										
Uganda	UGA	0	..	0	0	..	0	0	..	0	..	..	0	0	0	..	6	..	..	0	..										
Zambia	ZMB	0	0	0	0	2	4	0	..	0	0	0	27	0	0	0	0	..	..	1	0										
Zimbabwe	ZWE	1	12	0	0	0	2	1	0	0	0	0	9	0	1	0	9	0	..	0	0										
Sub-Saharan Africa	SSA	32	188	77	145	1	25	186	3	31	22	12	396	46	464	42	107	27	..	51	48										
European Community	EEC	6,083	1,044	403	208	126	101	737	192	82	91	96	458	624	1,554	130	6,461	90	..	636	554										
North America	NNA	1,139	263	39	17	40	4	58	7	6	12	1	104	55	183	11	3,100	5	16	152	56										
Rest of World	ROW	1,945	197	264	29	30	43	151	22	41	22	11	263	72	438	178	6,147	7	..	359	118										
World	WLD	9,158	1,790	752	400	198	173	1,133	230	162	142	140	1,222	797	2,632	301	15,813	128	..	1,210	276										

(Table continues on the following page)

Source: International Monetary Fund's Direction of Trade database.

1990 and 1995 values for South African trade is taken by looking at partner countries data.

# 5-54. Direction of trade matrix, current U.S. dollars, 1995 (continued)

		Millions of current US dollars																			
Exporters		Importers																			
		GMB	GHA	GIN	GNB	KEN	LSO	LBR	LBY	MDG	MWI	MLI	MRT	MUS	MAR	MOZ	NAM	NER	NGA	REU	RWA
Algeria	DZA	0	0	0	0	0	0	14	2	0	0	0	20	0	81	0	..	0	0	0	0
Angola	AGO	0	1	0	0	10	..	0	0	0	0	..	..	0	0	0	..	..	0	0	0
Benin	BEN	0	0	0	0	0	..	0	0	0	..	0	0	1	17	..	0	2	5	0	0
Burkina Faso	BFA	0	4	0	0	0	..	0	0	0	0	1	0	7	0	0	..	1	0	0	0
Botswana	BWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	BDI	..	..	..	..	5	0	0	0	0	0	..	0	0	0	0	..	0	0	..	2
Cameroon	CMR	0	0	1	0	0	0	0	0	0	0	1	0	0	5	0	0	0	8	7	0
Cape Verde	CPV	0	0	0	0	0	..	0	..	0	0	0	0	0	0	0	..	0	0	1	0
Central African Republic	CAF	0	..	0	0	0	..	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chad	TCD	0	0	0	0	0	..	0	0	0	..	0	..	0	0	0	..	0	3	0	0
Comoros	COM	..	0	..	..	0	..	0	..	0	..	..	..	0	0	..	..	0	0	0	0
Congo, Dem. Rep. of	ZAR	0	0	0	..	2	..	0	0	0	0	0	0	0	1	0	..	0	0	0	3
Congo, Republic of	COG	0	0	0	0	0	..	0	0	0	0	0	0	0	6	0	..	0	0	4	0
Cote d'Ivoire	CIV	10	92	60	1	1	0	19	0	1	0	151	4	0	27	0	..	31	79	1	0
Djibouti	DJI	..	..	..	..	0	..	..	0	0	..	..	..	0	0	..	..	..	0	0	0
Egypt	EGY	0	1	0	0	3	0	0	53	0	0	0	0	0	15	0	..	0	2	0	0
Equatorial Guinea	GNQ	0	0	..	..	0	..	0	0	0	..	0	0	..	0	..	..	0	0	..	0
Eritrea	ERI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	ETH	0	0	0	..	0	..	0	0	0	0	0	0	0	0	0	..	0	0	1	0
Gabon	GAB	0	0	4	..	0	0	0	0	0	0	0	0	0	48	0	..	0	0	0	0
Gambia, The	GMB	**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	..	0	0	..	..
Ghana	GHA	0	**	0	0	0	0	0	0	0	0	0	0	0	0	0	..	4	47	0	0
Guinea	GIN	0	0	**	0	0	..	0	0	0	..	0	0	0	3	0	..	0	0	0	0
Guinea-Bissau	GNB	0	..	0	**	0	..	0	..	0	0	0	0	..	0	0	..	0	0	..	0
Kenya	KEN	0	0	0	0	**	0	0	0	0	3	0	0	9	0	1	0	0	3	0	34
Lesotho	LSO	..	..	..	..	..	**	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	LBR	0	0	0	0	3	0	**	0	0	0	0	0	0	0	0	..	0	0	..	0
Libya	LBY	0	0	0	..	0	..	0	**	0	0	0	1	0	50	0	..	1	0	..	0
Madagascar	MDG	0	0	0	0	2	0	0	0	**	0	0	0	14	0	1	0	0	0	21	0
Malawi	MWI	1	0	0	0	1	0	0	0	0	**	..	0	1	0	5	..	0	0	0	0
Mali	MLI	0	0	0	0	0	..	0	0	0	..	**	0	2	3	..	..	0	2	0	0
Mauritania	MRT	0	1	0	0	0	..	6	0	0	0	0	**	0	0	0	..	0	0	..	0
Mauritius	MUS	0	0	0	..	2	0	0	0	40	0	0	0	**	0	0	0	0	0	28	0
Morocco	MAR	0	4	11	0	1	..	0	161	0	0	6	7	2	**	0	0	1	8	1	0
Mozambique	MOZ	0	0	0	0	0	0	0	0	0	3	..	0	0	0	**	0	0	0	0	0
Namibia	NAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**	..	..	..	..
Niger	NER	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	..	**	20	0	0
Nigeria	NGA	0	352	8	0	1	0	1	0	0	0	0	0	0	56	0	0	32	**	0	0
Reunion	REU	..	0	..	0	0	..	0	..	7	0	0	..	4	0	0	0	0	0	**	..
Rwanda	RWA	..	0	0	..	0	0	0	0	0	0	0	0	0	0	0	..	0	0	0	**
Sao Tome and Principe	STP	..	0	..	0	0	..	0	..	..	..	..	..	0	..	0	..	..	0	..	..
Senegal	SEN	9	1	7	4	0	..	0	0	0	0	45	13	0	1	0	0	1	18	0	0
Seychelles	SYC	..	0	0	..	0	..	0	..	0	0	0	0	0	0	0	0	0	0	0	0
Sierra Leone	SLE	0	0	0	..	0	..	0	0	..	0	0	..	0	0	..	..	0	0	0	..
Somalia	SOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	..	0	0	0	0
South Africa	ZAF	0	53	0	0	285	..	4	0	34	160	9	20	220	28	213	..	2	56	57	3
Sudan	SDN	0	0	..	..	0	..	0	5	0	0	0	0	0	0	0	..	0	0	..	0
Swaziland	SWZ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	TZA	0	0	..	..	24	0	0	0	1	2	0	0	0	1	0	..	0	0	0	36
Togo	TGO	0	10	0	0	0	..	0	0	0	0	1	0	0	3	0	..	1	24	0	0
Tunisia	TUN	0	2	1	0	0	0	5	193	0	0	1	1	0	27	0	0	0	0	1	0
Uganda	UGA	..	0	..	..	3	..	0	0	0	0	0	..	0	0	0	..	0	0	0	1
Zambia	ZMB	0	0	0	..	2	0	0	0	0	8	0	0	0	0	0	2	0	0	0	0
Zimbabwe	ZWE	0	3	0	0	3	0	0	3	0	51	0	0	6	1	53	0	0	2	4	0
Sub-Saharan Africa	SSA	21	525	82	6	144	0	0	2	81	221	210	131	264	202	214	2	74	261	123	81
European Community	EEC	93	1,006	366	62	1,133	38	1,627	2,993	327	87	307	333	694	6,119	189	108	157	2,605	2,010	72
North America	NNA	6	177	69	1	124	2	42	45	19	23	30	46	27	655	62	28	41	621	4	41
Rest of World	ROW	131	582	180	55	1,315	18	3,548	1,429	184	92	111	155	733	2,003	565	24	56	1,591	109	29
World	WLD	252	2,291	697	123	2,917	58	5,248	4,477	614	429	658	571	1,717	8,978	1,090	163	328	5,085	2,245	223

(Table continues on the following page)

Source: International Monetary Fund's Direction of Trade database.

1990 and 1995 values for South African trade is taken by looking at partner countries data.

Note: \*\* means "not applicable."



# 5-54. Direction of trade matrix, current U.S. dollars, 1995 (continued)

		Importers		Millions of current US dollars																		World
		STP	SEN	SYC	SLE	SOM	ZAF	SDN	SWZ	TZA	TGO	TUN	UGA	ZMB	ZWE	SSA	EEC	NNA	ROW			
Exporters	DZA	0	0	0	0	0	0	0	0	0	0	108	0	0	0	234	6,067	1,784	1,272	3,413		
Algeria	AGO	0	0	0	0	0	1	0	0	0	2	0	0	0	0	20	730	2,182	480	3,413		
Angola	BEN	0	0	0	0	0	0	0	0	0	2	0	0	0	0	11	55	1	87	173		
Benin	BFA	0	0	0	0	0	0	0	0	0	5	0	0	0	0	55	47	1	62	164		
Burkina Faso	BWA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Botswana	BDI	0	0	0	0	0	0	0	0	5	0	0	1	0	0	13	40	0	51	104		
Burundi	CMR	0	7	0	0	0	4	0	0	0	1	2	0	0	0	139	1,262	36	222	1,659		
Cameroon	CPV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	0	1	13		
Cape Verde	CAF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	107	0	1	181		
Central African Republic	TCD	0	0	0	0	0	3	0	0	0	0	0	0	0	0	8	95	3	12	118		
Chad	COM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	2	1	11		
Comoros	ZAR	0	0	0	0	0	101	0	0	0	0	0	0	5	0	119	981	281	153	1,534		
Congo, Dem. Rep. of	COG	0	0	0	0	0	1	0	0	0	0	0	0	0	0	25	408	190	219	842		
Congo, Republic of	CIV	0	44	0	21	0	40	0	0	0	38	18	0	0	0	446	2,312	165	406	3,729		
Cote d'Ivoire	DJI	0	0	0	0	45	0	0	0	0	0	0	0	0	0	70	8	0	17	95		
Djibouti	EGY	0	0	0	0	0	5	24	0	0	0	27	1	0	0	179	1,577	530	1,155	3,441		
Egypt	GNQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	33	31	0	124		
Equatorial Guinea	ERI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Eritrea	ETH	0	0	0	0	0	1	1	0	0	0	4	0	0	0	49	218	30	134	430		
Ethiopia	GAB	0	12	0	1	0	1	0	0	0	4	2	0	0	0	97	524	1,418	634	2,673		
Gabon	GMB	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gambia, The	GHA	0	0	0	0	0	4	0	0	0	157	0	0	0	0	261	856	194	328	1,614		
Ghana	GIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	341	175	134	683		
Guinea	GNB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	52	0	40	94		
Guinea-Bissau	KEN	0	1	3	0	32	51	21	0	216	0	3	277	3	3	826	650	62	288	1,826		
Kenya	LSO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Lesotho	LBR	0	0	0	1	0	0	0	0	0	0	17	0	0	0	26	762	9	158	956		
Liberia	LYB	0	0	0	0	0	0	214	0	0	0	160	0	0	0	518	6,859	0	1,133	8,510		
Libya	MDG	0	0	0	0	0	3	0	0	0	0	1	0	0	1	53	212	23	53	342		
Madagascar	MWI	0	0	0	0	0	43	0	0	5	0	0	1	4	6	72	206	58	86	421		
Malawi	MLI	0	0	0	0	0	3	0	0	0	0	5	0	0	0	20	77	11	133	241		
Mali	MRT	0	0	0	0	0	0	0	0	0	5	0	0	0	0	52	112	0	170	561		
Mauritania	MUS	0	0	3	0	0	7	0	0	0	0	0	2	0	7	40	1,008	242	0	1,451		
Mauritius	MAR	0	5	0	1	0	1	0	0	0	2	53	0	0	0	311	2,418	184	1,411	4,351		
Morocco	MOZ	0	0	0	0	0	41	0	0	0	0	0	0	0	8	53	71	13	38	174		
Mozambique	NAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Namibia	NER	0	0	0	0	0	1	0	0	0	1	0	0	0	0	38	111	0	44	193		
Niger	NGA	0	71	0	8	0	7	0	0	0	3	0	0	0	1	1,066	4,038	5,021	2,121	12,247		
Nigeria	REU	0	0	1	0	0	0	0	0	0	0	0	0	0	0	14	166	1	27	208		
Reunion	RWA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	36	2	24	63		
Rwanda	STP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	2	7		
Sao Tome and Principe	SEN	0	0	0	2	0	2	0	0	0	5	0	0	0	0	157	203	3	246	609		
Senegal	SYC	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	21	0	2	25		
Seychelles	SLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	2	21	41		
Sierra Leone	SOM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	22	0	148	172		
Somalia	ZAF	2	3	38	4	3	11,405	355	37	414	6	1	27	259	1,114	12,821	1,259,699	148,964	576,804	2,018,290		
South Africa	SDN	0	0	0	0	0	0	0	0	0	0	6	0	0	0	16	161	21	336	535		
Sudan	SWZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Swaziland	TZA	0	0	0	0	2	4	5	0	0	0	0	8	9	2	108	226	25	317	647		
Tanzania	TGO	0	0	0	0	0	17	0	0	0	0	0	0	0	0	63	83	62	10	308		
Togo	TUN	0	2	0	0	0	5	0	0	0	3	0	0	0	0	171	4,539	71	704	5,765		
Tunisia	UGA	0	0	0	0	0	1	0	0	2	0	0	0	0	0	13	421	19	76	124		
Uganda	ZMB	0	0	0	0	0	19	0	0	22	0	0	1	0	0	119	162	94	611	986		
Zambia	ZWE	0	0	1	0	0	150	0	0	10	0	1	4	0	0	621	764	94	421	1,900		
Zimbabwe	SSA	2	145	46	30	82	7,088	12	0	452	211	61	121	177	1,173	8,444	27,364	12,503	18,144	68,141		
Sub-Saharan Africa	EEC	32	829	68	108	26	11,405	355	37	414	279	5,445	241	195	441	12,821	1,259,699	148,964	576,804	2,018,290		
European Community	NNA	2	75	7	18	9	2,909	45	3	75	19	286	30	56	134	5,411	134,901	279,277	354,104	773,694		
North America	ROW	4	300	88	54	88	9,889	709	30	686	322	1,159	191	321	417	24,762	482,624	473,451	1,232,889	2,213,725		
Rest of World	WLD	40	1,150	209	17	205	24,110	1,141	70	1,628	852	6,951	783	949	2,220	71,490	1,904,589	914,485	2,181,942	5,072,506		
World																						

Source: International Monetary Fund's Direction of Trade database.

1990 and 1995 values for South African trade is taken by looking at partner countries data.

Note: \*\* means "not applicable."

# 5-55. Direction of trade matrix, current U.S. dollars, 2000

Exporters	Importers	Millions of current US dollars																			
		DZA	AGO	BEN	BFA	BWA	BDI	CMR	CPV	CAF	TCD	COM	ZAR	COG	CIV	DJI	EGY	GNQ	ERI	ETH	GAB
Algeria	DZA	..	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	..	0	0
Angola	AGO	0	..	0	0	..	0	0	0	0	..	..	0	5	0	..	0	..	..	0	0
Benin	BEN	0	0	..	1	0	0	1	0	0	1	0	0	0	0	0	0	0	..	0	0
Burkina Faso	BFA	0	0	0	..	..	0	0	0	0	0	..	0	0	0	0	0	0	..	0	0
Botswana	BWA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Burundi	BDI	0	0	0	..	0	..	0	..	0	0	..	0	0	0	0	0	..	..	0	..
Cameroon	CMR	0	0	2	0	0	0	0	0	18	29	0	3	16	2	0	1	12	..	0	23
Cape Verde	CPV	0	0	0	0	..	0	0	..	0	0	0	0	0	0	..	0	..	..	..	0
Central African Republic	CAF	0	0	0	0	..	..	0	0	..	0	0	2	0	0	0	0	0	..	0	0
Chad	TCD	0	..	0	0	..	..	0	0	2	..	..	0	0	0	..	0	0	..	0	0
Comoros	COM	0	0	0	0	..	..	0	0	..	..	..	0	0	0	0	0	..	..	..	..
Congo, Dem. Rep. of	ZAR	0	0	0	0	..	1	0	0	1	0	0	..	1	0	0	0	..	..	0	0
Congo, Republic of	COG	2	10	0	0	0	0	2	1	0	0	..	10	..	5	0	0	0	..	0	2
Cote d'Ivoire	CIV	33	24	43	129	0	0	34	1	1	3	0	32	13	..	0	1	19	..	0	16
Djibouti	DJI	..	..	0	0	..	0	0	..	..	..	0	0	0	0	..	0	..	..	6	..
Egypt	EGY	15	0	0	0	0	0	7	0	1	0	0	0	1	3	4	..	0	0	1	0
Equatorial Guinea	GNQ	0	..	0	0	..	..	8	..	..	..	..	..	0	0	..	0	..	..	..	0
Eritrea	ERI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ethiopia	ETH	8	..	0	0	0	0	0	0	0	0	0	0	0	0	54	14	..	..	..	..
Gabon	GAB	2	1	0	0	0	..	1	0	0	0	0	9	8	1	..	0	2	..	..	..
Gambia, The	GMB	0	0	0	0	0	0	0	0	0	0	..	0	0	0	..	0	0	..	0	0
Ghana	GHA	2	15	24	6	0	..	0	0	0	..	..	0	10	2	0	2	..	..	0	0
Guinea	GIN	3	0	0	0	..	..	31	0	0	0	0	0	0	9	0	0	..	..	0	0
Guinea-Bissau	GNB	0	0	0	0	..	..	0	0	0	0	..	..	0	0	..	0	..	..	0	..
Kenya	KEN	0	0	0	0	0	7	1	0	0	0	4	36	1	1	3	83	0	4	29	0
Lesotho	LSO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liberia	LBR	0	0	0	0	0	0	0	0	0	0	..	0	0	2	..	4	0	..	0	0
Libya	LYB	2	0	0	13	..	0	0	0	0	0	..	0	0	0	..	65	..	..	0	0
Madagascar	MDG	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	..	0	1
Malawi	MWI	0	0	0	0	0	0	0	..	0	..	0	1	0	0	0	7	..	..	0	0
Mali	MLI	0	..	0	2	..	..	0	0	0	0	..	0	0	3	0	0	..	..	..	0
Mauritania	MRT	2	0	0	0	..	0	8	0	0	0	..	0	6	18	..	0	0	..	0	0
Mauritius	MUS	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	..	0	0
Morocco	MAR	8	0	6	0	0	0	6	0	0	0	0	0	0	7	0	7	0	..	0	0
Mozambique	MOZ	0	1	0	0	0	0	0	0	..	..	..	0	0	0	0	0	..	..	0	0
Namibia	NAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niger	NER	0	..	4	1	..	0	0	0	0	0	0	0	0	3	0	0	0	..	0	0
Nigeria	NGA	2	0	10	17	0	0	191	0	1	18	0	82	3	601	0	2	0	..	0	9
Reunion	REU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rwanda	RWA	0	..	0	0	0	1	0	..	0	0	..	1	0	0	0	0	..	..	0	0
Sao Tome and Principe	STP	0	0	0	0	..	0	0	0	..	..	..	..	0	0	..	0	..	..	..	0
Senegal	SEN	0	0	6	3	0	0	9	2	0	1	0	0	5	17	0	0	0	..	0	5
Seychelles	SYC	0	0	..	0	0	0	0	..	..	..	0	..	0	0	0	0	..	..	0	..
Sierra Leone	SLE	0	0	0	0	0	0	0	0	0	0	..	0	0	0	..	0	0	..	0	0
Somalia	SOM	0	0	0	0	0	0	0	..	..	0	0	0	0	0	0	1	..	..	0	0
South Africa	ZAF	12	309	16	5	..	6	25	1	0	0	9	126	26	38	4	20	1	0	11	20
Sudan	SDN	1	0	0	0	..	0	0	..	0	0	..	0	0	0	0	38	..	..	2	..
Swaziland	SWZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanzania	TZA	0	0	0	0	0	12	0	0	..	0	0	9	0	0	0	1	0	0	1	0
Togo	TGO	1	..	49	10	..	0	0	0	0	0	0	0	1	2	..	1	0	..	..	1
Tunisia	TUN	61	0	1	3	0	0	2	0	0	0	0	0	1	4	1	34	0	0	0	2
Uganda	UGA	10	..	0	0	..	0	0	..	0	..	..	0	0	0	..	0	..	..	0	..
Zambia	ZMB	0	0	0	0	3	5	0	..	0	0	0	0	0	0	0	0	..	0	0	0
Zimbabwe	ZWE	1	7	0	0	69	1	2	0	0	0	0	9	2	0	0	4	0	..	0	0
Sub-Saharan Africa	SSA	80	369	154	174	72	34	314	5	24	53	15	320	101	704	61	181	34	5	50	78
European Community	EEC	5,603	922	508	205	153	61	897	227	54	80	23	250	368	1,393	161	7,244	125	..	394	1,018
North America	NNA	1,206	224	29	18	48	3	72	8	2	10	1	12	81	105	17	3,492	93	17	153	68
Rest of World	ROW	2,188	433	599	43	45	37	182	18	17	23	15	119	144	629	295	7,796	26	..	516	90
World	WLD	9,077	1,947	1,290	440	318	134	1,465	257	97	165	53	701	694	2,831	534	18,712	278	..	1,113	1,255

Source: International Monetary Fund's Direction of Trade database.

(Table continues on the following page)

Note: \*\* means "not applicable."

## 5-55. Direction of trade matrix, current U.S. dollars, 2000 (continued)

Exporters	Importers	Millions of current US dollars																
		GMB	GHA	GIN	GNB	KEN	LSO	LBR	LBY	MDG	MWI	MLI	MRT	MUS	MAR	MOZ	NAM	NER
Algeria	DZA	0	0	0	0	0	0	0	0	0	0	0	22	0	118	0	..	1
Angola	AGO	0	1	0	0	0	..	0	0	0	0	..	..	0	0	0	..	..
Benin	BEN	0	0	0	0	0	..	0	0	0	..	1	0	1	5	..	0	5
Burkina Faso	BFA	0	9	0	0	0	..	0	0	0	0	3	0	4	0	0	..	4
Botswana	BWA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Burundi	BDI	0	..	..	..	6	0	0	0	0	0	..	0	0	0	0	..	0
Cameroon	CMR	0	0	0	0	0	0	0	0	0	0	0	0	1	13	0	0	0
Cape Verde	CPV	0	0	0	0	0	..	0	..	0	..	0	0	0	0	0	..	0
Central African Republic	CAF	0	..	0	0	0	..	0	0	0	0	0	0	0	0	0	0	0
Chad	TCD	0	0	0	..	0	..	0	0	0	..	0	..	0	0	..	..	0
Comoros	COM	..	0	0	..	0	..	0	..	0	..	..	..	0	0	..	..	0
Congo, Dem. Rep. of	ZAR	0	0	0	..	0	..	0	0	0	0	0	0	0	0	0	..	0
Congo, Republic of	COG	0	0	4	0	0	..	0	0	0	0	0	0	0	0	0	..	0
Cote d'Ivoire	CIV	12	134	53	0	3	0	41	1	0	0	207	6	1	16	0	..	40
Djibouti	DJI	..	..	0	..	0	..	..	0	0	..	..	..	0	0	..	..	0
Egypt	EGY	0	4	0	0	10	0	0	53	0	0	1	0	5	15	0	0	0
Equatorial Guinea	GNQ	0	0	0	..	0	..	0	0	0	..	0	0	0	0	..	..	0
Eritrea	ERI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ethiopia	ETH	0	0	0	..	4	..	0	0	0	0	0	0	0	0	0	..	0
Gabon	GAB	0	0	4	..	0	0	0	0	0	0	0	0	0	22	0	..	0
Gambia, The	GMB	..	0	0	0	0	..	0	0	0	0	0	0	0	0	0	..	0
Ghana	GHA	1	..	0	0	0	0	0	0	0	0	0	0	0	0	0	..	6
Guinea	GIN	0	0	..	0	0	..	8	0	0	..	0	0	0	0	0	..	0
Guinea-Bissau	GNB	0	..	0	..	0	..	0	..	0	0	0	0	0	0	0	..	0
Kenya	KEN	0	0	0	0	..	0	0	0	1	7	0	0	2	0	0	0	0
Lesotho	LSO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liberia	LBR	0	0	0	0	9	0	..	0	0	0	0	0	0	0	0	..	0
Libya	LBY	0	0	0	..	0	..	0	..	0	0	0	0	0	29	0	..	1
Madagascar	MDG	0	0	0	0	0	0	0	0	..	0	0	0	31	0	0	0	0
Malawi	MWI	0	0	0	0	0	0	0	0	0	..	..	0	1	0	1	..	0
Mali	MLI	0	0	0	0	0	..	0	0	0	..	..	0	8	0	..	..	1
Mauritania	MRT	0	2	0	0	0	..	11	0	0	0	1	..	0	0	0	..	0
Mauritius	MUS	0	0	0	..	3	1	0	0	76	1	0	0	..	1	1	0	0
Morocco	MAR	1	0	0	0	0	0	0	124	2	0	0	0	2	..	0	0	1
Mozambique	MOZ	0	0	0	0	1	0	0	0	0	11	..	0	0	0	..	0	0
Namibia	NAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niger	NER	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	..	76
Nigeria	NGA	0	545	4	0	1	0	1	0	0	0	1	0	0	76	0	0	26
Reunion	REU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rwanda	RWA	..	0	0	..	0	0	0	0	0	0	0	0	0	0	0	..	0
Sao Tome and Principe	STP	..	0	0	0	0	..	0	..	..	..	..	..	0	..	0	..	0
Senegal	SEN	29	2	11	12	0	..	8	0	0	0	45	15	0	1	0	0	0
Seychelles	SYC	..	0	0	..	0	..	0	..	1	0	0	0	1	0	0	0	0
Sierra Leone	SLE	0	0	0	..	0	..	0	0	..	0	0	..	0	0	..	..	0
Somalia	SOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	..	0
South Africa	ZAF	2	97	7	0	218	0	4	0	44	237	39	2	293	50	731	..	1
Sudan	SDN	0	0	..	..	2	..	0	0	0	0	0	0	0	0	0	..	0
Swaziland	SWZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanzania	TZA	0	0	0	0	38	0	0	0	0	11	0	0	0	0	2	0	0
Togo	TGO	0	17	0	0	0	..	0	0	0	0	3	0	0	0	0	..	7
Tunisia	TUN	0	2	2	0	0	0	68	264	1	0	1	2	0	25	0	0	2
Uganda	UGA	..	0	0	..	1	..	0	0	0	0	0	..	0	0	0	..	0
Zambia	ZMB	0	6	0	..	4	0	0	0	0	57	0	0	0	0	0	1	0
Zimbabwe	ZWE	0	4	0	0	5	0	0	2	0	84	0	0	6	2	5	13	0
Sub-Saharan Africa	SSA	44	822	84	13	298	1	74	3	121	408	300	24	110	180	140	14	100
European Community	EEC	91	1,149	307	42	858	7	1,945	2,308	353	54	307	341	785	7,303	192	139	162
North America	NNA	8	224	73	1	295	1	47	32	16	15	38	17	26	689	69	82	37
Rest of World	ROW	148	619	158	21	1,508	74	2,886	1,350	291	80	112	143	986	2,075	191	61	68
World	WLD	202	2,814	621	76	2,454	84	4,953	3,494	781	500	747	524	2,141	10,242	1,192	204	300

Source: International Monetary Fund's Direction of Trade database.

(Table continues on the following page)

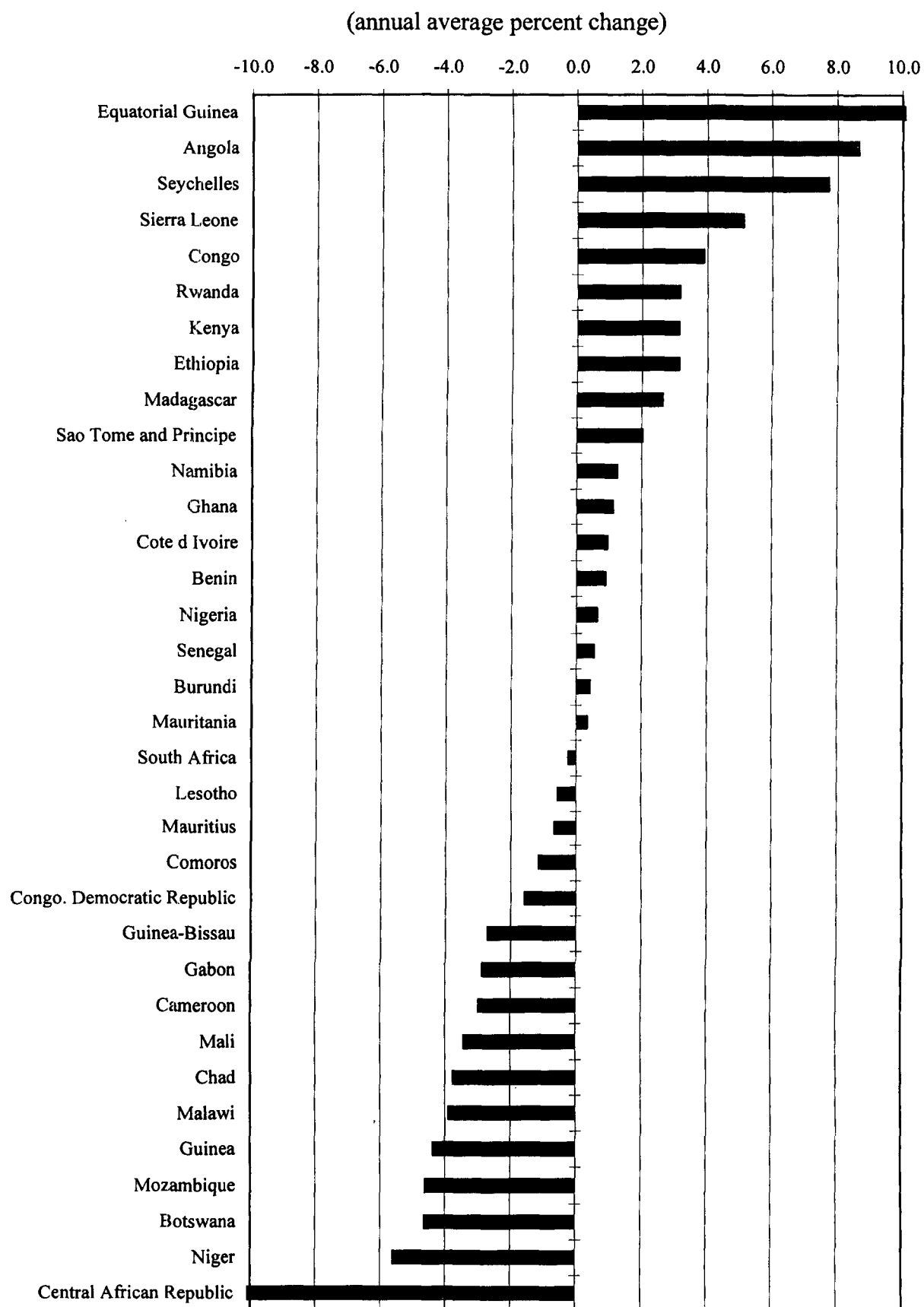
Note: \*\* means "not applicable."

# 5-55. Direction of trade matrix, current U.S. dollars, 2000 (continued)

Exporters		Importers																	Millions of current US dollars				
		STP	SEN	SYC	SLE	SOM	ZAF	SDN	SWZ	TZA	TGO	TUN	UGA	ZMB	ZWE	SSA	EEC	NNA	ROW	World			
Algeria	DZA	0	0	0	0	0	2	0	0	0	2	79	0	0	0	264	13,493	3,379	3,331	20,467			
Angola	AGO	0	0	0	..	0	37	0	0	0	4	0	..	0	0	48	1,276	3,313	2,743	7,380			
Benin	BEN	0	1	..	0	0	0	0	..	0	1	0	..	0	0	17	66	9	118	210			
Burkina Faso	BFA	..	0	0	0	0	0	0	0	0	3	1	0	0	0	25	58	3	81	169			
Botswana	BWA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Burundi	BDI	..	0	..	0	0	0	0	0	0	..	0	0	0	0	8	20	0	20	48			
Cameroon	CMR	0	6	0	0	0	1	0	0	0	1	5	0	0	0	138	1,516	189	543	2,386			
Cape Verde	CPV	0	0	..	..	..	0	..	..	0	0	0	..	..	0	0	9	1	0	11			
Central African Republic	CAF	..	0	..	0	..	0	0	..	..	0	0	..	0	0	4	193	4	40	241			
Chad	TCD	..	0	..	..	0	0	0	..	0	0	2	..	0	0	8	51	5	20	85			
Comoros	COM	..	0	0	..	..	0	..	..	0	0	0	..	..	0	0	8	3	4	16			
Congo, Dem. Rep. of	ZAR	0	0	0	0	0	4	0	..	0	0	0	0	0	0	14	860	217	76	1,168			
Congo, Republic of	COG	0	3	..	0	0	4	0	0	0	0	0	0	0	0	43	308	439	2,010	2,800			
Cote d'Ivoire	CIV	1	145	0	9	0	10	0	0	0	88	11	0	0	0	1,170	1,603	311	435	3,519			
Djibouti	DJI	..	0	0	0	80	..	0	..	0	..	0	..	..	0	8	12	0	44	143			
Egypt	EGY	0	2	0	0	0	7	25	0	4	0	36	1	0	1	201	2,456	838	2,138	5,633			
Equatorial Guinea	GNQ	..	0	0	..	..	..	..	..	0	0	0	..	..	..	9	609	143	342	1,103			
Eritrea	ERI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Ethiopia	ETH	0	0	0	0	0	1	0	0	3	..	0	0	0	2	87	200	30	185	503			
Gabon	GAB	1	4	..	0	0	5	0	0	0	2	2	..	0	0	65	864	1,989	1,045	3,963			
Gambia, The	GMB	..	0	..	0	0	0	0	0	0	0	0	..	0	0	2	25	1	8	35			
Ghana	GHA	0	3	0	0	0	4	0	0	0	282	1	0	0	0	438	784	216	382	1,820			
Guinea	GIN	..	0	0	0	0	0	..	..	0	0	0	0	0	0	59	410	125	260	854			
Guinea-Bissau	GNB	0	0	0	0	..	0	..	0	0	0	0	..	..	0	1	4	0	88	94			
Kenya	KEN	0	0	3	0	36	7	53	0	85	0	1	350	3	6	780	670	111	431	1,992			
Lesotho	LSO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Liberia	LBR	..	1	0	1	0	0	..	..	0	1	1	0	0	0	21	354	43	152	570			
Libya	LYB	..	0	..	0	0	0	2	..	0	0	287	0	0	0	403	10,826	0	1,459	12,688			
Madagascar	MDG	0	0	0	0	0	2	0	0	0	0	0	0	1	0	37	442	151	177	808			
Malawi	MWI	..	0	0	0	0	86	0	0	2	0	1	2	2	8	112	130	56	124	422			
Mali	MLI	..	0	0	0	0	2	..	..	0	0	3	..	0	1	24	71	26	74	195			
Mauritania	MRT	..	0	..	0	0	0	0	0	0	10	0	..	0	0	59	291	0	126	477			
Mauritius	MUS	0	0	6	0	0	9	0	0	2	1	0	1	0	6	113	999	312	65	1,488			
Morocco	MAR	..	11	0	0	0	3	0	0	0	0	58	0	0	0	235	5,094	488	2,414	8,231			
Mozambique	MOZ	0	0	0	0	0	53	0	1	0	0	0	0	0	65	131	93	18	122	364			
Namibia	NAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Niger	NER	..	0	..	0	0	0	0	0	0	0	0	..	0	0	88	91	5	2	187			
Nigeria	NGA	0	267	0	13	0	252	0	0	1	5	0	0	0	0	2,128	5,369	9,720	4,325	21,542			
Reunion	REU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Rwanda	RWA	..	0	0	..	0	1	0	0	0	0	0	0	0	0	3	33	5	52	93			
Sao Tome and Principe	STP	..	..	..	..	0	0	..	..	0	..	0	..	..	0	0	12	1	4	18			
Senegal	SEN	..	..	0	3	0	0	0	0	0	7	2	0	0	0	188	324	4	177	693			
Seychelles	SYC	..	0	..	..	0	1	0	0	0	..	1	0	0	0	4	130	7	25	166			
Sierra Leone	SLE	..	0	..	..	0	0	0	..	0	0	0	..	0	0	0	21	6	5	31			
Somalia	SOM	0	0	0	0	..	0	0	0	0	..	1	0	0	0	3	1	1	115	120			
South Africa	ZAF	1	14	32	2	0	..	7	..	198	3	4	50	634	697	4,104	8,569	2,626	6,395	21,694			
Sudan	SDN	..	0	0	0	1	80	..	..	0	0	4	0	0	0	129	163	2	1,474	1,768			
Swaziland	SWZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Tanzania	TZA	0	0	0	0	0	16	0	0	..	0	0	25	9	3	135	367	16	216	735			
Togo	TGO	..	0	..	0	0	12	0	..	0	..	0	..	0	0	144	46	8	184	382			
Tunisia	TUN	0	10	0	0	0	8	0	1	0	1	..	0	0	0	500	4,679	47	761	5,986			
Uganda	UGA	..	0	0	0	0	3	0	..	5	..	0	..	0	0	22	187	29	82	320			
Zambia	ZMB	0	0	0	0	0	186	0	1	25	0	0	2	..	24	317	276	12	153	757			
Zimbabwe	ZWE	0	1	2	0	0	252	5	1	4	0	1	2	63	..	553	675	120	572	1,920			
Sub-Saharan Africa	SSA	3	446	31	19	118	1,017	67	2	1,111	1,017	43	431	713	811	11,317	28,194	20,279	23,497	83,287			
European Community	EEC	29	984	126	191	37	10,770	405	21	312	294	6,686	181	121	239	30,882	1,416,825	234,016	600,977	2,282,700			
North America	NNA	1	94	7	19	5	3,264	34	10	59	19	297	29	23	56	5,901	177,495	415,754	448,829	1,047,974			
Rest of World	ROW	4	403	157	47	113	9,928	810	54	655	304	1,596	169	109	273	26,860	655,077	751,109	1,517,775	2,940,521			
World	WLD	37	1,927	334	295	274	24,994	1,317	88	1,353	1,029	8,621	811	965	1,380	71,980	2,271,521	1,421,158	2,449,078	8,164,786			

Source: International Monetary Fund's Direction of Trade database.

Note: \*\* means "not applicable."

**Figure 5-1. Terms of trade gains and losses, average 1992-2000\***

\*Or most recent year available

## Technical notes

### Tables

**Tables 5-1 and 5-2. Merchandise exports and merchandise imports, f.o.b.** Merchandise exports and imports (World Bank country desks) are both valued f.o.b. and comprise all transactions involving a change of ownership of goods, including nonmonetary gold, between residents of a country and the rest of the world. These transactions include those in which ownership changes even though goods do not cross customs borders. The few types of goods not covered by the merchandise account include travelers' purchases abroad, which are included in travel, and purchases of goods by diplomatic and military personnel, which are classified under other official goods, services, and income.

**Tables 5-3 and 5-4. Exports and imports of total services.** Service exports and imports (World Bank country desks) include total nonfactor and factor services, based on transactions involving ownership changes as explained above for goods. Nonfactor services comprise shipment, passenger and other transport services, and travel, as well as current account transactions not separately reported (that is, not classified as merchandise, nonfactor services, or transfers). These include transactions with nonresidents by government agencies and their personnel abroad, as well as transactions by private residents with foreign governments and government personnel stationed in the reporting country. Factor services comprise services of labor and capital, thus covering income from direct investment abroad, interest, dividends, and

property and labor income. Net interest is recorded on an accrual basis; that is, interest obligations are included whether payments are made or not.

**Table 5-5. Net private transfers.** Net private transfers (World Bank country desks) are inflows (from private sources to either private or public recipients) less outflows from private sources to either private or public recipients that carry no provisions for repayments. They include workers' remittances; transfers by migrants; gifts, dowries, and inheritances; and alimony and other support remittances.

**Table 5-6. Net official current transfers.** Net official transfers (World Bank country desks) are the official sources counterpart of Table 5-5. They include transfers on both current and capital accounts, including government grants of real resources and financial items such as subsidies to current budgets, grants of technical assistance, and government contributions to international organizations for administrative expenses.

**Table 5-7. Current account balance, excluding net capital grants.** Current account balance (World Bank country desks), as presented here, is the difference between exports of goods and all services plus inflows of unrequited current transfers (official and private) and imports of goods and all services plus outflows of unrequited transfers to the rest of the world. Other common presentations exclude or include both current and capital official transfers. Data in previous volumes included both.

**Table 5-8. Current account balance, excluding net capital grants, as a percentage of GDP.** It is defined as the ratio of figures presented in Table 5-7 to GDP in current prices (Table 2-5).

**Table 5-9. Net capital grants.** These grants (World Bank country desks) are unrequited transfers, often used to finance balance of payments deficits.

**Table 5-10. Net foreign direct investment.** Net foreign direct investment (World Bank country desks) is the net amount invested or reinvested by nonresidents to acquire a lasting interest in enterprises in which they exercise significant managerial control. Investment includes equity capital, reinvested earnings, and other capital. The net figures subtract the value of direct investment abroad by residents of the reporting country.

**Table 5-11. Net long-term borrowing.** Net long-term borrowing is calculated as disbursements less the repayment of principal (amortization) of public, publicly guaranteed, and private nonguaranteed borrowings that have an original or extended maturity of more than one year and that are repayable in foreign currencies, goods, or services. These data are as reported in the World Bank's Debtor Reporting System (DRS) and are in accord with the data on external debt discussed in Chapter 6.

**Table 5-12. Other capital flows.** Other capital flows comprise the net balance of inflows and outflows of capital not elsewhere included. It covers, for example, changes in the stock of short-term debt, arrears, and other liabilities (all adjusted for valuation changes resulting from exchange rate changes and other factors), and errors and omissions. This table incorporates corrections to data in *ADI 1992*.

**Table 5-13. Use of reserves.** This table (World Bank country desks) shows the variation from year to year of the net balance of international reserve assets and is valued throughout at year-end London prices (for example, US\$37.37 an ounce in 1980 and US\$484.10 an ounce in 1987). Positive numbers represent a decrease or use of reserves; negative numbers represent

an increase in reserves. This table incorporates corrections to data in *ADI 1996*.

**Table 5-14. Import coverage ratio of reserves.** This ratio gives the number of months, at current import levels, that can adequately be covered by available foreign exchange reserves (World Bank country desks). It is obtained by dividing the stock of reserves by imports divided by 12.

**Tables 5-15 and 5-16. Export and import unit values.** The indexes for total export and import unit values (World Bank country desks) are based on exports and imports of goods and nonfactor services from the national accounts. These indexes are calculated by dividing the values of exports and imports expressed in current U.S. dollars (Tables 2-14 and 2-15) by the volume of exports (f.o.b.) and imports (c.i.f.) expressed in constant 1995 U.S. dollars (Tables 2-16 and 2-17). Because of the way these trade unit value indexes are calculated (Paasche indexes, with changing weights), they reflect the composition of exports and imports in each year and may not give a reliable trend in unit values when trade composition changes dramatically. By contrast, this index reflects more accurately shifts in a country's actual composition of trade than would an index using weights based on trade shares in a single year. Data may differ from those in *ADI 1992* and *ADI 1994-95* because a different source was used for this volume.

**Table 5-17. Terms of trade.** Terms of trade measure the relative movement of export and import prices. This series is calculated as the ratio of a country's export unit values or prices (Table 5-15) to its import unit values or prices (Table 5-16). It shows changes over a base year (1995) in the level of export unit values as a percentage of import unit values. Data may differ from those in *ADI 1992* and *ADI 1994-95* because a different source was used for this volume.

**Table 5-18. Forest products exports.** Exports of forest production (FAO data) are given as an aggregate including all wood from trees and forests (coniferous and nonconiferous), whether in natural form or partially processed (SITC 245, 246, and 247);

sawwood and sleepers (SITC 248); and wood-based panels and fiberwood, compressed or noncompressed (SITC 634 and 641).

**Table 5-19. Petroleum exports.** This table contains the volumes of crude petroleum exported (World Bank, IEABAL). Data may differ from *ADI 1992* and *ADI 1994–95* because a different source was used for this volume.

**Table 5-20. Copper exports.** The table presents the unweighted sum of the metal content weights of copper ore and concentrate and of unrefined plus refined copper, metal, and alloys, unwrought (World Bank, METMIN). Data may differ from *ADI 1992* and *ADI 1994–95* because a different source was used for this volume.

**Table 5-21. Iron exports.** These are exports measured in metal content weight of iron ore (World Bank, METMIN).

**Table 5-22. Phosphates exports.** These are the volume of phosphates exports, expressed as the weight of mineral content in phosphate rock (World Bank, METMIN).

**Table 5-23. Cocoa exports.** Cocoa exports include cocoa beans, cocoa powder and cake, cocoa paste, cocoa butter, and chocolate products not elsewhere specified (FAO data).

**Table 5-24. Coffee exports.** Coffee exports are shown for green and roasted beans (FAO data).

**Table 5-25. Cotton exports.** Cotton exports refer to cotton lint only (FAO data).

**Table 5-26. Groundnut exports.** Groundnut exports include the weight of groundnuts in shelled equivalent (using a conversion factor of 70 percent), groundnut oil, and groundnut cake (FAO data).

**Table 5-27. Oil palm products exports.** Exports of oil palm products consist of palm oil and palm kernels (FAO data).

**Table 5-28. Sisal exports.** Only sisal fiber exports are included (FAO data).

**Table 5-29. Tea exports.** Tea exports figures are for processed tea (FAO data).

**Table 5-30. Sugar exports.** Sugar exports are shown in terms of raw sugar equivalent. The conversion factor to express refined sugar in raw sugar equivalent is 1.087 for all countries (FAO data).

**Table 5-31. Tobacco exports.** Only tobacco leaves are included (FAO data).

**Table 5-32. Meat exports.** Meat exports are defined as fresh, chilled, or frozen meat (SITC category 011) (FAO data).

**Tables 5-33 and 5-34. Manufactured goods exports.** Data reported in these tables follow the classification of manufacturing industries as reported in the UN *International Standard Industrial Classification of All Economic Activities* (ISIC), Revision 2 (World Bank country desks). First table is expressed in current prices; second table shows growth.

**Tables 5-35 and 5-36. Food imports.** Data refer to the sum of food, beverages, tobacco, oilseeds and oleaginous fruits, animal and vegetable oils, and fats (SITC sections 0, 1, and 4 and division 22) (World Bank country desks). First table is expressed in current prices; second table shows growth.

**Tables 5-37 and 5-38. Nonfood consumer goods imports.** Data reported in these tables show consumer goods imports other than food. Data are calculated as total merchandise imports less food, fuel, intermediate goods, and capital goods imports (World Bank country desks). First table is expressed in current prices; second table shows growth.

**Tables 5-39 and 5-40. Fuel imports.** Figures are defined as SITC section 3 (sum of Canada, Mexico, and United States) (World Bank country desks). First table presents data in current prices; second table shows growth.



**Tables 5-41 and 5-42. Primary intermediate goods imports.** Data on these tables comprise minerals, ores, and metals imports (the sum of SITC divisions 27, 28, and 68 and item 522.56) and agricultural raw materials imports (the sum of SITC section 2, less divisions 22, 27, and 28 and groups 233, 244, 266, and 267). Synthetics are excluded (World Bank country desks). First table presents data in current prices; second table shows growth.

**Tables 5-43 and 5-44. Manufactured goods imports.** Data reported on these tables follow the classification of manufacturing industries as reported in the UN *International Standard Industrial Classification of All Economic Activities* (ISIC), Revision 2 (World Bank country desks). First table presents data in current prices; second table shows growth.

**Tables 5-45 and 5-46. Capital goods imports.** Data shown here are for machinery and transport equipment (SITC section 7) (World Bank country desks). First table presents data in current prices; second table shows growth.

**Tables 5-47, 5-48, and 5-49. Direction of trade matrix, imports.** These tables show, for each importing country, the percentage of the value of its total imports that originates from each of the exporting countries for 1990, 1995, and 2000, respectively. They are calculated from Tables 5-53 to 5-55, below.

In these tables data posted under South Africa are for South Africa Customs Union, which comprises Botswana, Lesotho, Namibia, South Africa, and Swaziland.

**Tables 5-50, 5-51, and 5-52. Direction of trade matrix, exports.** As with the foregoing, for each exporter, these tables show the percentage of the value of total exports, f.o.b., that goes to each of its trade partners for 1990, 1995, and 2000, respectively. These are calculated from Tables 5-53 to 5-55, below.

In these tables data posted under South Africa are for South Africa Customs Union, which comprises Botswana, Lesotho, Namibia, South Africa, and Swaziland.

**Tables 5-53, 5-54, and 5-55. Direction of trade matrix, current U.S. dollars.** These are the value of trade in goods and services to or from the countries indicated. Matrices are shown for 1990, 1995, and 2000. They form the basis for the calculations in the previous six tables. Data for South Africa are for the South Africa Customs Union, which comprises Botswana, Lesotho, Namibia, South Africa, and Swaziland. The source of the data is the International Monetary Fund's Direction of Trade database. IMF staff have estimated some of these numbers in order to have a consistent time series.

## Figure

The following indicator has been used to derive the figures in this chapter.

**Figure 5-1.** Terms of trade gains or losses (Table 5-17).

### Methodology used for regional aggregations and period averages in chapter 5

Table	Aggregations <sup>a</sup>				Period averages <sup>b</sup>	
	(1)	(3)	(4)	(6)	(2)	(3)
5-1		x				x
5-2		x				x
5-3		x				x
5-4		x				x
5-5	x				x	
5-6	x				x	
5-7	x				x	
5-8				x	x	
5-9	x				x	
5-10	x				x	
5-11	x				x	
5-12	x				x	
5-13	x				x	
5-14				x	x	
5-15			x		x	
5-16			x		x	
5-17			x		x	
5-18	x					x
5-19	x					x
5-20	x					x
5-21	x					x
5-22	x					x
5-23	x					x
5-24	x					x
5-25	x					x
5-26	x					x
5-27	x					x
5-28	x					x
5-29	x					x
5-30	x					x
5-31	x					x
5-32	x				x	
5-33	x				x	
5-34	x					x
5-35	x				x	
5-36	x					x
5-37	x				x	
5-38	x					x
5-39	x				x	
5-40	x					x
5-41	x				x	
5-42	x					x
5-43	x				x	
5-44	x					x
5-45	x				x	
5-46	x					x
5-47	x					
5-48	x					
5-49	x					
5-50	x					
5-51	x					
5-52	x					
5-53	x					
5-54	x					
5-55	x					

Note: Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).

## External Debt and Related Flows

**T**he tables in this chapter provide a consistent presentation of the structure and terms of external debt and debt servicing. No data are presented on debt owed to domestic lenders. The aggregates and ratios provide various measures of a country's external debt situation. These measures include the size of debt and its servicing requirements, the amount of debt relative to GDP, the ratio of debt-servicing payments to exports, and the interest rate and terms of the stock of debt (including grace period, maturity, and grant element).

These tables follow the presentation in the *Global Development Finance (GDF—formerly World Debt Tables)* and therefore show IMF purchases, repurchases, charges, and net purchases separately from long- and short-term lending, repayments, interests, or net lending. While IMF purchases and repurchases are not strictly lending (they are swaps of currency), they do add to, or subtract from, the resources available for consumption or investment and do impose a liability against future income streams. For this reason, IMF transactions are included here.

Data on debt and related flows are drawn largely from the World Bank's Debtor Reporting System (DRS), to which member countries submit detailed accounts on the annual status, transactions, and terms of debt and related flows. World Bank and IMF staff estimates based on other sources of data supplement

DRS data, especially for recent years, on debt not guaranteed by debtor governments and on short-term debt. The figures in this chapter are based mostly on data supplied by debtor countries. Other data series on debt, on which the World Bank may base some of its estimates, are maintained by the Organization for Economic Cooperation and Development (OECD) and the Bank for International Settlements (BIS) from data provided by creditor governments and agencies. No figures are given for Libya and Namibia, which do not report debt information to the DRS. However, totals do include estimates for these countries.

The following definitions apply throughout the chapter. Long-term loans have an original or extended maturity of more than one year, while the maturity on short-term loans is one year or less. Official and private refer to the source of the foreign loans. Official loans are from multilateral organizations (excluding the IMF) and from foreign governments; these loans are either made directly to the government of the borrowing country or guaranteed by it, or its agencies, when made to a third party. Private loans are from the private sector, including foreign parent companies and their affiliates, suppliers, financial markets (such as commercial banks), and other sources. These private loans may or may not be guaranteed by creditor or debtor governments and agencies. "Public and publicly guaranteed" loans, as defined by the DRS, refer

to loans from both official and private foreign sources that are made to, or guaranteed by, the debtor government or its agencies. Almost all loans from foreign official sources are public or publicly guaranteed. Some loans from foreign private sources are made to, or guaranteed by, the debtor government or its agencies (these are labeled *private guaranteed* by the DRS). Some loans from foreign private sources are not public or publicly guaranteed (these are labeled *private nonguaranteed* by DRS).

Concessional loans carry a grant element of 25 percent or more (based on a standard 10 percent discount rate), which is consistent with the Development Assistance Committee of the OECD (DAC) definition of ODA (see Chapter 12). Nonconcessional loans carry a grant element of less than 25 percent. In this chapter, private loans are shown separately from official nonconcessional loans.

Additional information, definitions, and methodology are available in the World Bank, *Global Development Finance 2001* (formerly *World Debt Tables*).

## 6-1. Gross disbursements: official concessional long-term loans

	Millions of U.S. dollars (current prices)										Annual Average			
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	2,549	4,872	4,522	4,817	4,857	4,866	4,699	4,240	3,977	3,553	3,304	2,648	4,435	3,973
excluding South Africa	2,549	4,872	4,522	4,817	4,857	4,866	4,699	4,240	3,977	3,553	3,304	2,648	4,435	3,973
excl. S.Africa & Nigeria	2,501	4,765	4,478	4,781	4,789	4,789	4,600	4,144	3,880	3,408	3,223	2,623	4,414	3,896
Angola	0	59	78	40	31	73	63	43	36	80	68	3	38	52
Benin	35	111	94	76	79	101	96	104	50	50	70	33	66	75
Botswana	9	18	47	21	40	33	57	15	13	9	3	11	18	23
Burkina Faso	41	68	137	133	131	105	110	102	70	88	105	36	75	95
Burundi	38	90	84	105	76	52	45	34	19	30	20	32	95	50
Cameroon	143	108	91	380	311	372	64	155	220	167	171	118	115	185
Cape Verde	0	7	5	14	6	28	16	17	20	33	48	3	11	18
Central African Republic	19	110	95	45	50	44	32	27	6	3	6	15	65	38
Chad	5	95	91	69	58	69	60	99	80	40	86	16	43	68
Comoros	13	6	3	18	6	8	10	7	5	4	2	11	13	6
Congo, Democratic Rep. of	131	213	116	68	58	1	0	3	0	0	0	125	234	42
Congo, Republic of	49	114	29	17	8	194	14	2	3	0	0	61	71	35
Côte d'Ivoire	42	304	231	366	473	767	548	395	150	312	141	62	91	335
Djibouti	1	27	54	43	26	26	18	24	12	5	3	7	23	22
Equatorial Guinea	4	9	7	15	10	4	2	2	3	1	4	3	17	5
Eritrea	0	0	0	0	0	27	7	5	32	64	99	0	0	21
Ethiopia	70	256	155	184	348	213	200	226	96	120	208	395	438	182
Gabon	16	67	71	9	19	53	64	27	96	13	21	11	36	40
Gambia, The	27	22	26	48	22	22	24	58	24	16	16	13	26	25
Ghana	114	309	362	318	342	324	407	392	404	416	317	66	251	326
Guinea	56	190	185	156	228	125	123	84	173	118	76	57	176	133
Guinea-Bissau	49	37	40	40	23	26	21	28	30	15	2	16	32	24
Kenya	160	371	391	229	309	197	527	289	157	167	122	117	223	251
Lesotho	7	44	45	54	28	43	28	21	28	27	14	11	27	30
Liberia	39	0	2	0	33	0	0	0	0	0	0	34	20	3
Madagascar	153	197	186	102	105	72	88	116	214	103	127	95	169	119
Malawi	45	119	172	137	187	107	211	161	162	147	128	44	86	139
Mali	75	163	142	162	79	120	188	153	118	94	116	73	140	121
Mauritania	96	89	58	73	142	111	101	114	80	53	46	82	106	79
Mauritius	16	72	64	48	42	25	22	12	30	13	19	14	34	32
Mozambique	0	179	98	187	173	221	219	272	239	216	126	74	255	176
Namibia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niger	59	89	31	81	67	69	28	40	85	85	41	40	108	56
Nigeria	49	107	44	36	67	77	99	96	97	145	81	25	21	77
Rwanda	27	62	89	80	61	22	54	62	70	88	82	27	80	61
São Tomé and Príncipe	8	14	29	24	15	15	14	11	5	6	5	4	11	13
Senegal	113	198	135	241	85	98	150	181	197	188	66	88	279	140
Seychelles	6	5	9	4	3	1	2	4	6	6	6	4	6	4
Sierra Leone	33	20	16	42	96	61	94	73	41	33	12	18	19	44
Somalia	74	46	13	0	0	0	0	0	0	0	0	101	83	5
South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	270	180	129	93	95	10	27	2	0	0	0	313	203	49
Swaziland	9	10	7	6	2	16	15	6	6	5	6	9	10	7
Tanzania	159	236	255	339	187	230	201	200	246	195	257	186	196	213
Togo	35	82	61	43	15	40	26	95	54	54	33	35	70	46
Uganda	13	238	176	227	330	266	220	212	273	171	171	33	149	208
Zambia	243	50	282	212	205	218	309	205	210	59	194	100	122	177
Zimbabwe	1	83	89	231	190	183	97	66	120	115	188	29	85	124
NORTH AFRICA	2,079	1,542	1,647	1,473	1,617	1,541	1,569	1,432	1,088	919	931	1,746	1,088	1,251
Algeria	79	292	164	222	352	392	651	386	213	133	257	78	69	278
Egypt, Arab Republic	1,064	703	959	517	540	434	334	411	378	349	156	1,085	565	435
Libya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morocco	731	326	296	433	497	439	405	471	359	294	251	406	265	343
Tunisia	204	222	228	301	227	277	178	164	138	144	266	177	189	195
ALL AFRICA	4,628	6,414	6,169	6,290	6,473	6,407	6,268	5,672	5,065	4,472	4,235	4,394	5,524	5,224

## 6-2. Gross disbursements: official nonconcessional long-term loans

	Millions of U.S. dollars (current prices)										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	1,692	2,153	2,065	1,678	1,450	1,189	1,068	970	734	503	4,854	1,468	2,028	1,726
excluding South Africa	1,692	2,153	2,065	1,678	1,450	1,189	1,068	970	734	502	4,839	1,468	2,028	1,725
excl S Africa & Nigeria	1,619	1,604	1,570	1,201	928	855	848	752	603	408	4,619	1,289	1,488	1,380
Angola	..	60	53	5	0	56	11	0	1	0	57	14	103	32
Benin	24	5	5	2	4	5	5	1	11	0	88	8	7	12
Botswana	16	56	64	32	19	9	13	9	11	3	11	16	46	22
Burkina Faso	18	9	10	7	2	2	1	1	0	0	115	11	14	14
Burundi	1	2	3	1	1	0	1	0	0	0	24	3	8	3
Cameroon	108	228	148	84	68	45	21	25	16	18	287	71	142	126
Cape Verde	..	0	4	5	1	1	1	0	14	1	35	11	0	6
Central African Republic	6	2	1	0	0	1	0	1	0	0	7	3	8	1
Chad	0	1	75	1	0	0	2	0	0	0	58	2	2	13
Comoros	0	0	0	0	0	0	0	0	0	0	4	1	1	0
Congo, Democratic Rep. of	70	188	17	0	0	0	0	0	0	0	12	64	82	29
Congo, Republic of	60	3	0	0	137	1	2	21	0	0	2	38	54	16
Côte d'Ivoire	189	436	285	156	151	121	70	34	77	50	246	178	234	189
Djibouti	4	0	0	0	0	0	0	0	0	0	10	1	0	1
Equatorial Guinea	11	1	0	0	0	0	0	0	0	0	4	3	2	1
Eritrea	..	..	..	..	0	0	2	1	3	11	66	..	..	12
Ethiopia	7	28	29	21	21	33	49	54	17	24	432	11	62	70
Gabon	19	71	99	71	79	157	62	30	22	6	109	36	71	72
Gambia, The	2	3	7	3	1	0	0	0	0	0	35	2	2	5
Ghana	106	56	67	26	21	21	123	37	22	13	388	38	39	77
Guinea	9	44	43	47	44	47	42	39	24	19	102	12	11	41
Guinea-Bissau	6	15	1	0	3	0	1	0	0	0	16	3	6	3
Kenya	73	74	100	20	59	39	69	15	27	20	294	100	134	68
Lesotho	1	11	23	41	18	24	18	14	7	28	79	3	9	25
Liberia	26	0	0	0	0	0	0	0	0	0	0	23	11	0
Madagascar	59	13	15	19	10	1	21	103	0	4	138	49	50	31
Malawi	60	9	8	6	4	4	1	5	9	13	140	26	22	19
Mali	10	3	1	5	1	5	3	0	1	0	152	5	6	16
Mauritania	16	13	60	25	28	11	16	9	3	2	79	24	26	27
Mauritius	20	33	15	23	12	17	37	45	37	16	55	18	37	29
Mozambique	..	10	10	9	8	11	10	20	4	2	215	58	18	28
Namibia	0	0	0	0	0	20	10	10	1	35	0	0	0	7
Niger	33	1	1	34	5	0	1	0	0	0	62	27	10	10
Nigeria	73	549	495	477	522	334	219	218	131	94	220	180	540	345
Rwanda	0	0	0	0	0	0	0	2	0	0	44	0	0	4
São Tomé and Príncipe	2	1	0	0	0	0	0	0	0	0	8	2	1	1
Senegal	74	29	73	68	34	7	0	1	15	4	218	63	28	42
Seychelles	6	2	6	7	8	7	7	5	8	3	14	2	3	6
Sierra Leone	9	0	10	3	3	1	2	0	13	2	52	4	1	8
Somalia	13	0	0	0	0	0	0	0	0	0	0	19	2	0
South Africa	..	..	..	..	0	0	0	0	0	1	15	..	..	2
Sudan	297	0	15	6	2	24	15	5	0	0	13	138	23	8
Swaziland	20	8	1	7	1	4	23	18	13	10	16	15	7	10
Tanzania	86	22	12	10	12	16	3	7	21	1	266	82	26	38
Togo	12	6	1	2	0	0	2	0	11	0	52	15	4	7
Uganda	5	6	21	62	3	11	14	21	4	4	242	15	42	37
Zambia	68	29	38	25	42	18	19	12	5	7	184	91	67	40
Zimbabwe	77	126	252	370	130	137	172	209	210	113	190	31	64	180
NORTH AFRICA	1,690	3,414	3,555	3,034	2,068	2,474	2,720	2,233	1,637	1,837	3,944	1,769	2,975	2,840
Algeria	487	1,540	1,197	792	1,137	943	1,196	1,001	635	639	1,031	489	644	1,052
Egypt, Arab Republic	840	310	434	444	346	148	144	210	88	31	429	702	826	280
Libya	110	30	600	400	0	0	0	12	0	0	0	218	569	131
Morocco	135	860	882	785	602	950	858	491	600	661	1,055	229	616	785
Tunisia	119	673	442	614	583	433	522	518	315	505	1,429	131	320	592
ALL AFRICA	3,382	5,567	5,620	4,712	4,118	3,663	3,787	3,202	2,371	2,340	8,798	3,237	5,004	4,566

### 6-3. Gross disbursements: private long-term loans

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	<b>6,289</b>	<b>1,975</b>	<b>1,915</b>	<b>1,913</b>	<b>4,662</b>	<b>5,195</b>	<b>4,303</b>	<b>7,136</b>	<b>3,252</b>	<b>7,623</b>	<b>5,951</b>	<b>4,468</b>	<b>3,511</b>	<b>4,223</b>
excluding South Africa	6,289	1,975	1,915	1,913	1,144	1,646	2,012	2,560	1,206	1,278	1,388	4,468	3,511	1,779
excl S Africa & Nigeria	4,659	1,782	1,911	1,913	1,144	1,646	2,012	2,560	1,206	1,278	1,377	3,069	2,729	1,734
Angola	..	191	553	649	344	431	723	1,154	709	29	4	233	712	498
Benin	4	0	0	0	0	0	0	0	0	0	0	44	1	0
Botswana	3	0	0	30	0	0	0	0	0	0	0	6	4	3
Burkina Faso	6	0	0	0	0	0	0	0	0	0	..	8	1	0
Burundi	0	0	0	0	0	0	0	0	1	53	92	5	2	13
Cameroon	364	103	141	104	8	0	25	14	10	136	-96	230	354	55
Cape Verde	..	0	0	0	0	4	5	2	0	0	0	0	0	1
Central African Republic	0	0	0	0	0	0	0	0	0	11	13	2	1	2
Chad	0	0	0	0	0	0	0	0	0	..	0	5	1	0
Comoros	0	0	0	0	0	0	0	0	0	34	41	0	0	7
Congo, Democratic Rep. of	263	0	0	0	0	0	0	0	0	0	0	176	16	0
Congo, Republic of	412	6	114	451	1	0	0	0	0	49	484	207	272	117
Côte d'Ivoire	1,508	236	202	190	317	75	411	52	56	184	292	791	219	207
Djibouti	5	0	0	0	0	0	0	0	0	0	2	1	0	0
Equatorial Guinea	5	0	0	0	0	0	0	0	0	0	0	3	0	0
Eritrea	..	..	..	..	0	0	0	0	0	0	..	..	..	0
Ethiopia	33	261	113	10	4	0	22	30	10	1	2	45	98	46
Gabon	135	16	0	3	2	0	0	20	10	-78	124	174	174	12
Gambia, The	22	0	0	0	0	0	0	0	0	0	0	5	0	0
Ghana	0	82	103	77	123	178	381	208	85	0	0	12	64	118
Guinea	57	0	0	11	0	0	17	20	7	1	0	29	13	5
Guinea-Bissau	21	0	0	0	0	0	0	0	0	0	0	5	5	0
Kenya	387	438	173	87	6	132	72	48	36	91	44	224	284	124
Lesotho	5	6	2	0	0	13	12	15	18	7	2	4	8	8
Liberia	11	0	0	0	0	0	0	0	0	0	..	23	0	0
Madagascar	163	0	0	0	0	1	0	0	0	0	..	64	10	0
Malawi	48	1	14	1	10	0	0	1	0	2	1	29	7	4
Mali	10	0	0	0	0	0	0	0	0	-21	-20	6	1	-4
Mauritania	14	0	0	0	0	0	25	0	0	0	0	24	4	2
Mauritius	61	76	63	39	150	369	91	752	7	93	43	28	45	159
Mozambique	..	6	4	8	4	36	0	6	0	360	322	61	46	72
Namibia	..	..	..	..	..	..	..	..	0	0	0	..	..	0
Niger	190	0	0	0	0	0	0	0	0	0	..	91	45	5
Nigeria	1,630	193	4	0	0	0	0	0	0	0	11	1,399	782	45
Rwanda	0	0	0	0	0	0	0	0	0	72	..	3	1	7
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Senegal	141	11	8	1	1	1	0	21	2	0	0	74	29	6
Seychelles	0	10	15	8	9	0	1	0	10	18	12	1	6	8
Sierra Leone	42	0	0	0	0	0	0	0	0	0	0	24	1	0
Somalia	27	0	0	0	0	0	0	0	0	0	..	25	1	0
South Africa	..	..	..	..	3,518	3,549	2,291	4,575	2,046	6,345	4,563	..	..	3,841
Sudan	145	0	0	0	0	0	0	0	0	0	0	100	0	0
Swaziland	0	0	0	0	0	0	0	0	0	0	0	3	3	0
Tanzania	122	3	38	41	17	42	6	0	0	2	10	62	47	16
Togo	50	0	0	0	0	0	0	0	0	0	..	63	0	0
Uganda	65	5	6	18	0	0	0	0	0	7	6	36	60	7
Zambia	289	47	33	11	35	25	13	50	20	50	..	154	62	33
Zimbabwe	55	284	329	172	115	338	209	167	225	177	..	167	128	228
<b>NORTH AFRICA</b>	<b>5,015</b>	<b>6,067</b>	<b>7,529</b>	<b>6,566</b>	<b>4,488</b>	<b>3,644</b>	<b>2,417</b>	<b>1,912</b>	<b>1,343</b>	<b>1,699</b>	<b>2,413</b>	<b>4,733</b>	<b>6,358</b>	<b>4,069</b>
Algeria	2,832	4,824	6,118	5,363	3,268	2,092	1,308	438	400	396	436	2,743	4,206	2,711
Egypt, Arab Republic	776	673	375	168	260	40	33	188	22	42	15	778	1,316	234
Libya	..	..	..	..	..	..	..	..	..	0	0	..	..	0
Morocco	1,119	327	569	755	762	734	428	462	732	622	1,122	906	519	631
Tunisia	288	244	467	281	199	777	648	824	189	639	840	306	318	497
<b>ALL AFRICA</b>	<b>11,304</b>	<b>8,042</b>	<b>9,444</b>	<b>8,479</b>	<b>9,150</b>	<b>8,838</b>	<b>6,719</b>	<b>9,048</b>	<b>4,595</b>	<b>9,322</b>	<b>8,363</b>	<b>9,201</b>	<b>9,869</b>	<b>8,292</b>

## 6-4. Disbursements: long-term loans and IMF purchases

	<i>Millions of U.S. dollars (current prices)</i>											<i>Annual Average</i>		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	11,743	9,330	9,323	9,593	11,895	14,056	10,253	12,596	8,342	14,101	10,629	9,551	10,784	10,947
excluding South Africa	11,743	9,330	9,323	9,735	8,377	10,508	7,962	8,020	6,297	7,746	6,056	9,551	10,784	8,422
excl. S Africa & Nigeria	9,909	8,443	8,789	8,191	7,778	10,075	7,646	7,706	6,021	7,571	6,056	7,948	9,440	7,977
Angola	0	328	647	685	417	550	778	1,190	790	943	437	102	853	693
Benin	71	112	81	103	131	115	128	57	62	173	149	86	76	112
Botswana	28	103	85	102	52	66	28	22	20	130	0	34	69	58
Burkina Faso	70	155	143	151	132	139	112	89	106	355	93	56	90	141
Burundi	45	91	126	77	53	45	35	19	31	86	111	44	113	70
Cameroon	626	433	669	499	479	122	230	296	266	376	124	427	634	383
Cape Verde	0	5	18	10	29	21	24	22	47	52	19	8	12	24
Central African Republic	40	98	46	50	59	33	27	7	15	39	40	27	82	48
Chad	5	92	143	58	83	72	125	92	52	100	0	26	51	84
Comoros	13	4	18	6	10	10	7	5	4	37	42	12	14	13
Congo, Democratic Rep. of	603	304	84	58	1	0	3	0	0	8	0	482	461	70
Congo, Republic of	526	38	132	459	350	15	24	24	10	84	496	310	399	177
Côte d'Ivoire	1,777	948	853	819	1,405	924	1,014	236	613	716	678	1,114	599	853
Djibouti	10	54	43	26	26	18	28	14	8	8	12	9	24	24
Equatorial Guinea	38	16	15	14	7	2	2	3	1	0	0	12	21	6
Eritrea	..	..	..	..	27	7	7	33	67	108	51	..	..	43
Ethiopia	119	443	346	409	258	233	317	179	167	231	185	470	606	286
Gabon	171	162	108	93	198	279	121	168	46	36	206	222	308	147
Gambia, The	56	31	55	26	23	24	58	24	21	13	42	26	35	32
Ghana	249	660	488	509	468	648	936	649	635	528	484	184	495	592
Guinea	129	241	210	286	182	200	143	265	180	109	61	103	212	188
Guinea-Bissau	75	55	41	23	28	24	31	36	18	5	22	24	44	29
Kenya	714	952	502	447	294	698	467	219	231	411	336	515	722	485
Lesotho	15	66	86	80	66	66	51	57	52	49	81	19	47	65
Liberia	109	2	0	33	0	0	0	0	0	0	..	113	31	4
Madagascar	444	217	117	125	82	90	156	336	103	112	..	234	264	157
Malawi	190	203	159	194	147	227	184	178	173	172	220	120	129	183
Mali	109	146	177	98	164	238	186	147	108	173	160	95	157	163
Mauritania	155	71	145	179	163	133	176	108	55	47	61	141	150	117
Mauritius	143	173	127	105	186	409	140	827	56	159	116	87	128	223
Mozambique	0	156	265	211	254	267	300	300	254	529	604	122	331	308
Namibia	..	..	..	..	..	..	..	..	..	4	4	..	..	4
Niger	290	32	83	100	90	28	55	111	111	40	86	164	180	80
Nigeria	1,752	787	535	544	599	433	316	314	276	175	0	1,603	1,344	446
Rwanda	34	101	81	61	22	68	62	92	104	125	..	31	81	78
São Tomé and Príncipe	10	30	24	15	15	14	11	5	6	10	14	7	13	14
Senegal	395	233	322	154	201	241	216	268	254	120	243	261	399	227
Seychelles	12	20	25	18	18	8	12	11	23	35	28	7	16	19
Sierra Leone	104	16	52	100	200	115	90	48	62	37	91	62	26	76
Somalia	135	13	0	0	0	0	0	0	0	0	..	158	101	6
South Africa	0	0	0	858	3,518	3,549	2,291	4,575	2,046	6,356	4,573	0	0	2,524
Sudan	921	129	108	101	12	51	17	5	0	0	0	655	226	55
Swaziland	31	15	7	8	16	19	29	25	18	15	16	29	21	17
Tanzania	433	309	479	238	259	258	246	337	264	340	280	353	294	303
Togo	119	67	55	17	55	59	97	69	80	33	52	122	89	62
Uganda	161	267	308	410	321	287	290	353	225	290	277	135	287	309
Zambia	690	358	283	241	294	2,606	236	286	84	222	26	482	276	436
Zimbabwe	132	499	1,034	799	504	652	447	496	604	513	110	257	277	553
NORTH AFRICA	9,014	11,702	12,175	10,817	9,539	8,161	7,312	5,685	4,243	4,939	5,104	8,255	10,711	8,299
Algeria	3,398	6,835	7,536	6,507	5,639	4,160	3,633	2,116	1,511	1,449	966	3,310	5,040	4,299
Egypt, Arab Republic	2,743	2,025	1,445	1,152	1,039	523	588	776	459	526	328	2,625	2,737	983
Libya	..	..	..	..	..	..	..	..	..	0	0	..	..	0
Morocco	2,262	1,483	1,910	2,037	1,802	2,089	1,757	1,313	1,625	1,534	2,290	1,704	1,557	1,777
Tunisia	611	1,358	1,283	1,122	1,059	1,389	1,334	1,480	648	1,430	1,520	616	877	1,240
ALL AFRICA	20,762	20,932	21,498	20,410	21,434	22,217	17,565	18,281	12,585	19,040	15,733	17,807	20,996	19,246

Note: In 1995, Zambia was able to clear its arrears to the IMF after completing a 3 year Rights Arrangement Program.



## 6-5. Amortization: official concessional long-term loans

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	243	587	619	589	773	718	877	885	1,021	1,375	1,408	232	533	805
excluding South Africa	243	587	619	589	773	718	877	885	1,021	1,375	1,408	232	533	805
excl. S. Africa & Nigeria	229	580	616	588	611	716	875	884	949	1,054	1,405	219	523	753
Angola	0	1	5	3	2	9	3	8	8	13	6	0	2	5
Benin	1	7	9	8	12	12	15	14	18	19	22	2	4	12
Botswana	0	6	7	9	13	14	11	15	30	14	27	1	5	13
Burkina Faso	4	13	14	9	11	18	20	23	25	27	29	2	8	17
Burundi	1	14	17	14	15	16	14	6	8	9	12	1	10	11
Cameroon	13	24	23	20	37	12	12	14	49	75	47	12	23	29
Cape Verde	0	1	3	6	2	3	4	3	6	6	7	0	1	4
Central African Republic	0	3	2	2	1	5	2	2	4	6	6	1	2	3
Chad	3	2	2	3	1	6	2	7	6	7	12	1	2	4
Comoros	0	0	1	2	2	2	0	1	3	5	6	0	0	2
Congo, Democratic Rep. of	3	8	4	5	4	0	0	0	0	0	0	4	9	2
Congo, Republic of	11	2	0	0	1	8	7	22	0	0	0	10	4	4
Côte d'Ivoire	18	75	77	88	78	56	65	81	68	106	216	15	35	83
Djibouti	2	8	8	7	6	9	9	9	5	3	2	1	5	6
Equatorial Guinea	0	1	1	0	0	0	0	1	1	1	1	0	0	0
Eritrea	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Ethiopia	7	19	21	14	16	19	25	35	27	38	51	9	53	24
Gabon	4	1	7	23	7	8	12	9	39	28	45	5	4	16
Gambia, The	0	11	9	9	8	9	7	9	10	13	9	1	5	8
Ghana	14	40	29	33	32	56	55	56	54	83	99	20	33	49
Guinea	44	53	51	19	16	26	86	44	29	31	47	36	42	36
Guinea-Bissau	0	1	15	1	1	2	4	3	5	2	4	0	2	3
Kenya	6	34	42	33	39	67	69	68	59	64	90	8	25	51
Lesotho	0	4	4	5	9	6	11	11	13	13	12	1	3	8
Liberia	1	0	11	0	1	1	0	0	0	0	0	4	2	1
Madagascar	18	17	12	20	12	13	10	21	55	39	40	19	13	22
Malawi	2	7	14	10	9	10	16	19	21	19	15	2	4	13
Mali	4	22	14	22	23	39	45	41	38	40	58	4	17	31
Mauritania	3	26	20	26	40	33	37	37	39	41	36	3	28	30
Mauritius	2	14	19	31	23	22	24	27	47	23	23	2	10	23
Mozambique	0	9	10	13	12	17	24	29	27	25	25	2	18	17
Namibia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niger	16	5	5	4	12	6	6	7	14	12	9	5	8	7
Nigeria	14	7	2	1	162	1	2	1	72	321	3	13	10	52
Rwanda	0	7	10	8	11	2	11	8	9	8	10	1	7	8
São Tomé and Príncipe	0	0	1	1	0	0	1	1	1	1	2	0	1	1
Senegal	7	54	44	32	31	68	72	64	47	89	88	5	28	54
Seychelles	0	2	3	4	4	3	4	2	2	4	6	0	1	3
Sierra Leone	2	3	2	5	3	9	7	6	7	10	3	3	3	5
Somalia	2	2	0	0	0	0	0	0	0	0	0	2	2	0
South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	14	4	6	8	5	3	9	0	0	0	0	16	48	3
Swaziland	1	6	8	7	7	7	8	11	8	8	9	1	3	7
Tanzania	19	36	41	36	38	40	38	54	34	48	63	14	32	39
Togo	2	6	8	5	4	4	7	15	13	13	14	2	6	8
Uganda	2	8	12	10	16	23	22	24	38	38	60	2	5	23
Zambia	3	2	4	4	10	21	47	34	33	27	141	2	3	29
Zimbabwe	2	21	25	31	38	35	58	46	51	48	53	1	9	37
<b>NORTH AFRICA</b>	294	569	435	512	576	739	701	781	990	1,105	1,167	264	374	689
Algeria	73	103	85	86	84	62	54	114	130	179	234	72	97	103
Egypt, Arab Republic	119	270	149	99	56	68	151	225	288	432	459	111	120	200
Libya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morocco	62	47	55	168	282	343	289	227	361	269	266	41	48	210
Tunisia	41	150	146	158	154	266	207	216	211	225	209	39	109	176
<b>ALL AFRICA</b>	537	1,156	1,054	1,101	1,348	1,456	1,578	1,666	2,010	2,479	2,575	496	907	1,493

## 6-6. Amortization: official nonconcessional long-term loans

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	424	1 972	1 835	1 448	1 432	1 925	2 118	2 446	1 942	1 702	1 857	337	1 128	2 234
excluding South Africa	424	1 972	1 835	1 448	1 432	1 925	2 118	2 446	1 942	1 702	1 857	337	1 128	2 234
excl. S Africa & Nigeria	392	1 205	1 288	1 117	1 104	1 495	1 650	1 719	1 432	1 284	1 411	303	860	1 735
Angola	..	58	62	38	21	25	21	26	29	49	6	1	31	47
Benin	1	11	7	7	6	9	10	11	10	10	14	2	5	12
Botswana	6	42	45	50	43	46	48	49	40	35	34	3	22	44
Burkina Faso	4	5	11	6	9	9	10	7	7	5	8	2	4	10
Burundi	1	6	6	6	3	5	3	6	4	4	2	0	4	7
Cameroon	16	74	86	61	101	119	134	180	177	147	113	18	60	141
Cape Verde	..	2	3	3	2	3	2	2	3	8	12	1	2	5
Central African Republic	0	4	1	2	1	2	0	0	0	2	1	1	4	4
Chad	0	1	1	1	4	2	1	3	7	5	3	0	1	5
Comoros	0	0	5	1	0	0	0	0	0	0	0	0	0	1
Congo, Democratic Rep. of	100	26	24	19	0	0	0	0	0	0	0	37	53	48
Congo, Republic of	10	68	4	1	0	137	25	104	53	7	0	11	16	56
Côte d'Ivoire	37	172	196	202	216	299	414	429	261	248	268	30	103	295
Djibouti	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Equatorial Guinea	1	0	1	2	1	0	0	2	0	0	0	1	2	1
Eritrea	..	..	..	..	..	0	0	0	0	0	0	..	..	1
Ethiopia	4	26	17	15	13	13	19	26	18	19	28	6	30	34
Gabon	15	16	34	61	24	55	78	71	105	67	187	14	16	92
Gambia, The	0	2	4	6	6	6	7	5	3	2	2	0	1	5
Ghana	22	25	35	44	36	45	62	45	55	56	54	15	22	61
Guinea	20	24	22	23	17	12	20	14	21	46	23	9	18	31
Guinea-Bissau	0	1	2	2	0	1	4	3	1	1	0	0	1	4
Kenya	25	146	148	141	139	183	201	195	170	142	183	22	96	182
Lesotho	0	4	7	8	6	6	7	5	8	11	10	1	4	10
Liberia	2	1	5	0	12	13	0	0	0	0	0	6	6	8
Madagascar	1	36	27	12	14	14	9	18	43	18	23	8	36	29
Malawi	3	54	37	26	21	23	27	18	15	14	12	5	20	28
Mali	0	2	4	7	3	13	11	5	4	5	6	0	2	13
Mauritania	1	55	26	25	36	24	32	36	22	19	22	6	25	37
Mauritius	4	25	31	53	34	37	36	31	31	30	30	4	19	36
Mozambique	..	14	10	13	15	35	34	25	12	10	7	1	7	46
Namibia	0	0	0	0	0	0	0	0	0	3	3	0	0	1
Niger	2	4	3	3	20	8	1	2	2	0	1	5	12	10
Nigeria	31	767	547	331	328	429	468	727	510	418	447	34	269	499
Rwanda	0	0	1	0	0	0	0	1	1	1	1	0	0	3
São Tomé and Príncipe	1	1	0	1	1	1	0	1	0	1	1	1	1	1
Senegal	12	57	54	27	19	47	55	41	42	49	33	8	45	55
Seychelles	0	3	3	4	3	3	3	3	5	5	6	0	2	4
Sierra Leone	2	5	1	7	2	8	20	38	0	1	1	2	2	10
Somalia	5	0	0	0	0	0	0	0	0	0	0	3	1	4
South Africa	..	..	..	..	..	0	0	0	0	0	0	..	..	0
Sudan	32	11	6	6	4	0	6	0	0	1	6	24	14	17
Swaziland	4	28	12	9	9	12	8	10	8	6	10	3	13	12
Tanzania	7	41	65	50	50	45	62	74	34	33	18	8	47	63
Togo	8	21	11	4	2	2	0	6	9	3	3	8	28	9
Uganda	9	35	26	27	61	49	38	25	20	26	20	6	21	37
Zambia	34	42	198	97	80	105	132	83	74	53	92	28	37	101
Zimbabwe	3	57	50	50	71	81	109	121	139	142	170	5	30	114
NORTH AFRICA	287	2 671	2 876	2 784	2 532	2 947	2 801	2 370	2 950	2 637	2 632	533	1 959	2 933
Algeria	171	1 069	1 163	1 092	1 054	591	589	532	917	802	1 022	157	760	946
Egypt, Arab Republic	32	615	610	409	336	306	391	346	350	272	237	54	357	441
Libya	0	395	350	300	25	580	35	0	18	125	60	221	304	172
Morocco	52	384	517	677	806	1 128	1 354	1 115	1 293	1 053	872	57	353	991
Tunisia	32	208	236	307	312	342	432	376	373	386	442	44	185	382
ALL AFRICA	711	4 643	4 711	4 233	3 964	4 871	4 918	4 816	4 892	4 338	4 489	870	3 088	5 167

## 6-7. Amortization: private long-term loans

	Millions of U.S. dollars (current prices)										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	2,123	1,845	2,909	1,271	3,909	4,084	5,505	7,012	4,748	6,250	4,500	1,852	2,642	4,011
excluding South Africa	2,123	1,845	2,909	1,271	1,914	2,014	2,735	2,332	2,317	1,944	1,792	1,852	2,642	2,105
excl. S Africa & Nigeria	1,526	1,533	1,364	1,182	1,599	1,565	2,045	2,074	2,292	1,798	1,552	1,312	1,779	1,698
Angola	..	166	106	39	120	312	621	768	850	478	363	19	62	359
Benin	3	0	0	0	0	0	0	0	0	0	0	4	8	0
Botswana	0	3	3	1	2	6	9	5	5	5	5	2	6	6
Burkina Faso	2	1	0	0	0	0	0	0	0	0	..	2	5	0
Burundi	3	3	2	1	1	1	1	0	0	0	0	2	6	2
Cameroon	85	93	67	98	67	65	49	43	59	28	27	76	292	70
Cape Verde	..	0	0	0	0	0	0	1	1	0	0	0	0	0
Central African Republic	1	0	1	0	0	0	0	0	0	0	0	1	1	0
Chad	0	1	0	1	0	0	0	0	0	1	0	1	1	0
Comoros	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Congo, Democratic Rep. of	90	13	5	0	0	0	0	0	0	0	0	42	32	3
Congo, Republic of	12	200	97	75	157	50	15	0	0	228	301	62	236	128
Côte d'Ivoire	667	240	212	242	356	60	302	487	316	286	296	350	264	277
Djibouti	0	0	0	0	0	0	0	0	0	0	1	1	2	0
Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	..	1	0	0
Eritrea	..	..	..	..	0	0	0	0	0	0	..	..	..	0
Ethiopia	7	49	33	37	36	48	231	8	8	13	10	10	68	53
Gabon	260	48	17	4	33	75	51	25	17	17	23	149	55	29
Gambia, The	0	5	5	4	4	0	0	0	0	0	0	1	1	2
Ghana	42	48	58	52	66	85	105	124	110	75	66	11	56	79
Guinea	11	10	8	8	9	15	0	40	17	14	5	8	9	13
Guinea-Bissau	3	0	0	0	0	0	0	0	0	0	0	1	0	0
Kenya	165	170	153	126	287	290	243	153	154	165	153	161	181	188
Lesotho	3	5	7	6	5	4	2	2	2	3	3	2	5	4
Liberia	12	0	0	0	0	0	0	0	0	0	..	9	0	0
Madagascar	23	11	8	8	5	5	5	2	1	2	..	10	28	6
Malawi	28	11	16	13	14	23	4	3	1	2	2	17	19	9
Mali	2	1	3	1	1	0	0	0	0	0	..	1	3	1
Mauritania	13	2	2	0	0	0	0	2	2	2	3	21	5	1
Mauritius	14	46	43	26	45	93	50	58	105	206	209	17	28	82
Mozambique	..	21	7	10	5	13	6	5	4	37	38	0	14	15
Namibia	..	..	..	..	..	..	..	..	0	0	0	..	..	0
Niger	40	55	20	24	24	24	24	14	24	23	23	40	38	27
Nigeria	197	313	1,546	89	316	448	690	258	25	146	240	540	863	407
Rwanda	2	1	1	0	0	0	0	0	0	0	..	1	4	0
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Senegal	137	45	39	4	10	27	11	7	17	3	0	46	49	17
Seychelles	0	5	4	5	4	9	5	3	5	3	2	0	5	5
Sierra Leone	29	0	0	0	0	28	0	0	0	0	0	16	2	3
Somalia	0	0	0	0	0	0	0	0	0	0	..	3	0	0
South Africa	..	..	..	..	1,994	2,070	2,770	4,680	2,432	4,306	2,708	..	..	2,994
Sudan	7	0	0	0	0	0	0	0	0	0	0	16	1	0
Swaziland	3	2	2	2	2	0	0	0	0	0	0	2	5	1
Tanzania	23	12	80	11	16	27	18	19	15	13	17	18	7	22
Togo	9	0	0	0	0	0	0	6	0	0	..	16	10	1
Uganda	21	30	14	32	15	10	7	1	2	3	4	15	27	13
Zambia	175	54	46	51	60	62	39	57	52	20	..	111	51	50
Zimbabwe	34	185	305	301	256	234	247	244	525	170	..	58	195	264
NORTH AFRICA	3,139	7,753	7,746	7,527	4,185	2,843	2,636	1,971	2,593	3,252	3,220	2,367	4,495	4,628
Algeria	2,284	5,972	5,883	5,816	2,698	1,577	1,297	975	1,728	1,905	1,668	1,646	3,255	3,193
Egypt, Arab Republic	192	885	921	579	544	352	454	302	207	266	216	238	746	503
Libya	..	..	..	..	..	..	..	..	..	0	0	..	..	0
Morocco	477	484	548	754	624	630	617	453	451	834	709	325	174	578
Tunisia	186	411	393	378	320	285	268	241	208	248	627	157	320	354
ALL AFRICA	5,262	9,598	10,655	8,798	8,094	6,927	8,141	8,983	7,341	9,502	7,720	4,219	7,137	8,638

## 6-8. Amortization: long-term loans and IMF repurchases

	Millions of U.S. dollars (current prices)										Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	3,174	4,912	5,476	3,930	7,017	9,451	9,432	11,040	8,933	11,446	2,706	5,448	7,863
excluding South Africa	3,174	4,912	5,476	3,930	5,023	7,380	6,663	5,937	6,085	7,140	2,706	5,448	5,881
excl. S. Africa & Nigeria	2,932	4,050	3,598	3,251	4,276	6,462	5,245	5,097	5,321	6,545	2,118	4,307	4,992
Angola	0	233	146	63	153	335	654	806	912	767	8	95	462
Benin	6	16	15	18	21	26	27	32	35	45	7	20	28
Botswana	6	54	62	57	62	65	73	75	53	55	6	32	57
Burkina Faso	11	25	15	20	27	29	31	34	34	32	7	20	27
Burundi	4	25	24	23	28	27	21	20	21	43	5	24	27
Cameroon	131	214	203	282	204	217	248	281	297	556	112	381	298
Cape Verde	0	6	8	4	6	6	5	10	15	36	0	3	10
Central African Republic	7	7	7	3	13	10	8	12	21	30	6	17	14
Chad	5	4	4	8	10	10	16	24	23	31	4	7	12
Comoros	0	6	3	2	2	0	1	3	5	9	0	0	4
Congo, Democratic Rep. of	277	91	29	4	5	1	37	0	1	1	123	279	34
Congo, Republic of	41	209	98	77	305	84	140	56	18	391	86	259	200
Côte d'Ivoire	722	618	594	585	787	625	860	838	670	826	405	550	717
Djibouti	2	8	8	6	9	9	9	5	3	3	2	7	7
Equatorial Guinea	2	2	2	1	1	1	3	4	4	3	2	6	3
Eritrea	..	..	..	..	0	0	0	0	0	1	..	..	0
Ethiopia	17	92	62	66	68	91	292	52	69	98	30	177	105
Gabon	279	114	137	71	119	216	137	172	135	324	169	75	168
Gambia, The	0	23	22	21	24	21	22	20	20	11	4	15	20
Ghana	106	189	198	186	248	308	331	398	389	477	57	248	308
Guinea	76	93	51	44	54	129	67	100	104	153	56	77	96
Guinea-Bissau	3	16	3	1	4	9	7	6	3	4	2	4	7
Kenya	205	399	410	366	552	600	567	449	421	562	217	411	484
Lesotho	3	16	20	20	18	25	22	27	30	31	4	13	24
Liberia	18	15	0	13	15	0	0	0	1	1	23	10	9
Madagascar	44	84	56	48	43	38	60	118	72	121	43	123	76
Malawi	35	83	72	49	53	76	56	55	60	74	30	70	66
Mali	9	27	38	35	63	62	54	49	55	23	8	43	43
Mauritania	26	62	61	82	63	79	82	70	69	70	35	72	79
Mauritius	19	117	128	83	103	154	108	136	158	259	30	99	146
Mozambique	0	41	34	44	67	85	92	59	63	286	2	39	108
Namibia	..	..	..	..	..	..	..	..	0	0	..	..	0
Niger	58	74	36	66	48	41	44	45	50	39	50	74	54
Nigeria	242	862	1,878	579	746	918	1,418	840	763	596	588	1,141	889
Rwanda	3	12	10	11	2	11	10	13	11	36	3	13	12
São Tomé and Príncipe	1	1	1	1	1	1	2	2	2	0	1	2	1
Senegal	165	190	142	81	154	195	160	158	215	157	67	183	168
Seychelles	0	11	12	12	10	16	10	10	14	12	1	8	12
Sierra Leone	50	10	16	13	98	59	47	7	11	17	28	16	29
Somalia	11	0	0	0	0	0	0	0	0	0	9	20	4
South Africa	0	0	0	0	1,994	2,070	2,769	5,103	2,848	4,306	0	0	1,982
Sudan	131	12	14	9	3	54	36	42	59	44	90	63	40
Swaziland	8	21	17	17	20	16	21	16	14	19	6	24	19
Tanzania	81	145	172	104	116	146	168	118	134	124	59	101	136
Togo	19	27	19	14	13	18	32	40	28	27	27	61	27
Uganda	45	102	79	120	111	98	106	116	128	134	35	129	112
Zambia	269	290	183	211	206	2,067	156	164	132	162	193	130	357
Zimbabwe	40	266	387	410	372	401	423	459	763	454	67	306	389
NORTH AFRICA	3,942	11,102	11,120	11,100	7,660	6,691	6,103	6,312	6,694	7,360	3,022	6,849	8,385
Algeria	2,528	7,220	7,227	7,282	3,546	2,391	2,079	2,372	3,143	3,390	1,875	4,111	4,385
Egypt, Arab Republic	446	1,726	1,470	971	939	989	1,111	955	910	1,047	450	1,273	1,179
Libya	..	..	..	..	..	..	..	..	..	0	..	..	0
Morocco	678	1,227	1,535	1,998	2,246	2,373	2,006	2,110	1,773	1,971	454	849	1,869
Tunisia	290	929	887	850	928	939	907	875	867	951	243	615	951
ALL AFRICA	7,116	16,015	16,596	15,030	14,677	16,142	15,536	17,352	15,627	18,807	5,728	12,297	16,248

Note: In 1995, Zambia was able to clear its arrears to the IMF after completing a 3 year Rights Arrangement Program.

## 6-9. Interest payments: official concessional long-term loans

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	238	725	525	804	762	600	613	793	741	934	807	172	354	664
excluding South Africa	238	725	525	804	762	600	613	793	741	934	807	172	354	664
excl S Africa & Nigeria	229	413	491	443	506	598	611	791	673	798	802	164	340	557
Angola	0	1	4	3	3	7	7	3	6	4	2	0	1	4
Benin	1	7	9	7	8	9	10	9	11	12	13	1	5	9
Botswana	1	4	5	5	6	3	3	8	7	6	5	1	2	5
Burkina Faso	2	7	6	6	6	7	9	11	13	12	14	2	6	8
Burundi	1	7	8	9	9	10	9	6	7	7	6	1	8	7
Cameroon	15	32	29	16	24	19	54	36	61	62	55	13	24	35
Cape Verde	0	1	1	1	1	2	2	1	2	2	2	0	1	1
Central African Republic	0	5	3	6	2	6	3	3	2	5	4	0	4	4
Chad	0	3	4	4	4	5	3	7	5	6	6	0	2	4
Comoros	0	1	2	1	1	1	1	1	1	1	1	0	1	1
Congo, Democratic Rep. of	47	16	14	10	7	0	0	0	0	0	0	11	12	4
Congo, Republic of	12	30	8	5	4	93	9	35	1	1	0	6	7	17
Côte d'Ivoire	14	5	52	29	30	32	47	77	75	145	118	13	13	55
Djibouti	1	2	2	2	2	2	2	3	2	2	1	1	2	2
Equatorial Guinea	0	0	1	1	0	1	0	1	1	1	1	0	0	1
Eritrea	0	0	0	0	0	0	0	0	0	4	3	0	0	1
Ethiopia	7	16	13	10	12	16	19	19	21	25	30	7	26	16
Gabon	3	2	9	20	4	15	40	39	36	24	27	2	2	20
Gambia, The	0	4	3	3	4	4	3	3	5	5	5	0	2	4
Ghana	11	23	25	32	38	39	28	51	43	64	58	13	19	37
Guinea	12	29	26	20	23	27	29	22	23	24	25	10	12	22
Guinea-Bissau	0	2	4	1	2	2	3	3	3	4	5	0	2	3
Kenya	9	23	54	28	39	47	59	57	47	50	48	10	23	41
Lesotho	0	3	4	6	5	4	5	5	5	5	5	0	2	4
Liberia	2	0	1	0	1	0	0	0	0	0	0	2	2	0
Madagascar	4	19	18	19	14	11	11	12	42	36	34	7	11	20
Malawi	4	9	12	11	13	13	19	17	18	16	13	4	6	13
Mali	2	14	10	14	38	19	19	57	18	16	19	3	11	20
Mauritania	8	13	12	11	20	22	18	18	19	18	15	8	13	15
Mauritius	1	10	11	16	15	16	18	17	15	15	14	1	6	13
Mozambique	0	9	15	22	31	16	19	25	27	23	36	0	14	20
Namibia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niger	2	5	5	4	7	6	7	5	8	8	7	2	7	6
Nigeria	9	312	34	361	256	2	2	3	68	136	5	8	4	107
Rwanda	1	6	6	5	4	2	8	6	7	6	8	1	6	5
São Tomé and Príncipe	0	0	1	1	1	1	1	1	2	1	1	0	0	1
Senegal	7	29	31	19	7	25	22	79	29	37	33	4	30	28
Seychelles	0	1	2	2	1	1	2	1	1	1	1	0	1	1
Sierra Leone	0	2	1	7	3	4	5	4	6	5	3	1	1	4
Somalia	2	4	0	0	0	0	0	0	0	0	0	2	3	0
South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	28	7	8	10	6	0	1	0	0	0	0	13	17	3
Swaziland	1	2	2	2	2	2	2	3	2	2	2	1	2	2
Tanzania	15	20	24	22	49	28	28	55	27	76	51	14	15	35
Togo	1	8	8	7	6	5	5	13	8	8	7	1	6	7
Uganda	1	6	10	10	13	18	23	25	25	22	31	1	6	17
Zambia	14	12	14	19	22	36	32	29	20	23	71	5	8	25
Zimbabwe	1	17	16	18	19	23	26	23	22	20	21	2	12	19
<b>NORTH AFRICA</b>	<b>289</b>	<b>375</b>	<b>251</b>	<b>577</b>	<b>671</b>	<b>782</b>	<b>907</b>	<b>948</b>	<b>804</b>	<b>781</b>	<b>785</b>	<b>237</b>	<b>261</b>	<b>625</b>
Algeria	35	22	23	26	26	56	90	144	119	125	129	32	20	69
Egypt, Arab Republic	153	210	82	392	422	467	567	553	417	381	381	121	131	352
Libya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morocco	70	64	69	81	145	153	161	166	190	200	204	55	44	130
Tunisia	30	79	76	78	78	107	89	84	78	75	72	29	66	74
<b>ALL AFRICA</b>	<b>526</b>	<b>1,100</b>	<b>775</b>	<b>1,381</b>	<b>1,434</b>	<b>1,382</b>	<b>1,520</b>	<b>1,741</b>	<b>1,545</b>	<b>1,714</b>	<b>1,592</b>	<b>409</b>	<b>614</b>	<b>1,290</b>

## 6-10. Interest payments: official nonconcessional long-term loans

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	453	1,988	2,363	1,427	1,190	1,430	1,402	1,864	1,343	1,101	1,178	384	1,312	1,657
excluding South Africa	453	1,988	2,363	1,427	1,190	1,430	1,402	1,864	1,343	1,101	1,178	384	1,312	1,657
excl. S. Africa & Nigeria	399	1,000	1,147	961	877	1,095	1,081	1,351	1,045	862	940	325	911	1,178
Angola	..	18	22	12	5	3	5	15	6	4	1	1	16	11
Benin	1	7	4	4	4	10	11	7	7	9	7	1	3	8
Botswana	6	32	28	28	26	26	22	61	19	15	14	6	26	26
Burkina Faso	2	3	9	9	10	8	9	4	3	3	2	2	6	7
Burundi	0	4	4	4	3	3	2	3	2	1	1	0	4	3
Cameroon	27	93	100	71	106	116	99	185	113	98	125	22	59	130
Cape Verde	..	1	2	2	1	1	1	1	1	1	1	1	2	1
Central African Republic	0	3	2	1	1	2	0	0	0	1	1	1	4	2
Chad	0	1	1	2	4	2	1	6	4	5	4	0	0	4
Comoros	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Congo, Democratic Rep. of	59	60	36	16	1	0	0	0	0	0	0	33	75	24
Congo, Republic of	13	39	6	1	0	89	11	141	40	6	0	8	25	39
Côte d'Ivoire	64	182	220	210	188	236	206	252	194	224	194	48	160	221
Djibouti	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equatorial Guinea	0	0	1	1	0	0	0	0	0	0	0	0	1	0
Eritrea	..	..	..	..	..	0	0	0	0	0	0	..	..	1
Ethiopia	8	8	9	10	9	15	13	19	21	20	21	6	10	20
Gabon	17	66	76	182	25	60	134	181	192	110	195	11	28	131
Gambia, The	0	1	2	3	2	2	2	1	1	1	1	0	1	2
Ghana	13	22	27	30	31	24	24	27	36	26	28	10	19	33
Guinea	9	19	12	13	13	12	14	21	19	19	19	7	13	20
Guinea-Bissau	0	1	1	2	0	1	2	1	0	0	0	0	1	2
Kenya	45	111	100	83	87	114	108	106	70	46	40	37	99	87
Lesotho	0	3	5	6	6	7	8	7	8	8	7	1	3	7
Liberia	5	1	1	0	8	0	0	0	0	0	0	6	7	2
Madagascar	3	53	41	11	10	7	4	5	51	15	42	6	50	30
Malawi	6	22	18	15	12	10	16	9	7	6	4	8	17	14
Mali	1	3	3	2	2	5	4	3	2	2	2	1	2	4
Mauritania	1	22	13	8	23	16	14	11	14	12	12	4	15	16
Mauritius	6	23	25	24	19	18	18	16	14	13	12	5	18	19
Mozambique	..	7	13	17	40	36	52	21	14	5	0	0	8	31
Namibia	0	0	0	0	0	0	0	0	1	1	3	0	0	0
Niger	5	2	6	1	7	3	0	1	2	2	2	5	19	5
Nigeria	54	988	1,216	466	314	335	322	512	297	238	238	59	401	479
Rwanda	0	0	0	0	0	0	0	0	0	0	0	0	0	1
São Tomé and Príncipe	0	1	0	0	0	0	0	0	0	0	0	0	1	0
Senegal	15	42	44	20	14	36	43	36	44	51	24	13	57	39
Seychelles	0	2	2	2	2	2	3	2	3	3	3	0	2	3
Sierra Leone	2	2	1	4	10	16	14	6	1	3	0	2	1	7
Somalia	0	0	0	0	0	0	0	3	0	0	0	0	2	1
South Africa	..	..	..	..	..	0	0	0	0	0	0	..	..	0
Sudan	16	2	2	1	2	0	2	0	0	2	7	13	9	7
Swaziland	6	7	5	5	4	4	3	9	5	5	8	4	9	6
Tanzania	19	25	27	30	49	33	49	36	12	25	9	15	24	38
Togo	11	21	11	3	1	1	2	11	5	2	1	8	30	8
Uganda	1	11	17	11	17	14	9	13	12	7	12	2	14	16
Zambia	39	31	203	59	54	75	83	39	33	25	52	31	34	70
Zimbabwe	1	50	49	58	79	90	95	95	93	85	89	6	40	81
<b>NORTH AFRICA</b>	401	1,545	1,506	1,734	1,842	2,034	2,329	2,606	2,267	2,278	2,195	420	1,278	2,114
Algeria	124	290	321	345	339	342	714	1,090	1,007	1,071	1,060	104	284	713
Egypt, Arab Republic	68	509	318	448	462	540	534	401	248	229	217	162	480	412
Libya	100	60	20	30	30	30	40	107	112	146	146	51	37	66
Morocco	66	517	661	700	780	865	762	722	639	579	514	66	352	672
Tunisia	44	170	187	211	231	256	279	286	261	253	258	37	124	251
<b>ALL AFRICA</b>	854	3,533	3,869	3,161	3,033	3,464	3,731	4,470	3,610	3,378	3,373	804	2,590	3,771

## 6-11. Interest payments: private long-term loans

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	1,685	1,541	1,623	749	1,942	1,982	2,160	1,640	1,787	2,007	2,443	1,257	1,641	1,775
excluding South Africa	1,685	1,541	1,623	749	1,325	1,127	1,237	790	895	1,137	1,194	1,257	1,641	1,206
excl S Africa & Nigeria	1,219	737	620	457	586	592	709	612	750	861	933	848	974	698
Angola	..	78	34	18	41	67	266	127	163	171	243	7	52	117
Benin	1	0	0	0	0	0	0	0	0	0	..	3	7	0
Botswana	1	3	2	1	1	3	9	2	2	2	1	1	3	3
Burkina Faso	3	0	0	0	0	0	0	0	0	0	..	1	1	0
Burundi	1	1	0	0	0	0	0	0	0	3	8	1	2	1
Cameroon	78	41	65	26	21	21	14	16	19	..	..	56	93	33
Cape Verde	..	0	0	0	0	0	0	1	1	0	0	0	0	0
Central African Republic	0	1	0	0	0	0	0	0	0	2	2	1	0	0
Chad	0	0	0	0	0	0	0	0	0	..	0	0	0	0
Comoros	0	0	0	0	0	0	0	0	0	6	9	0	0	1
Congo, Democratic Rep. of	99	7	1	0	0	0	0	0	0	0	0	61	40	2
Congo, Republic of	13	36	22	17	50	40	3	0	0	176	185	36	64	53
Côte d'Ivoire	513	220	171	163	159	138	145	145	246	212	218	343	341	188
Djibouti	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	..	0	0	0
Eritrea	..	..	..	..	0	0	0	0	0	0	..	..	..	0
Ethiopia	2	16	22	3	9	29	15	4	3	5	4	4	25	12
Gabon	100	51	36	6	29	44	12	10	8	22	15	52	26	22
Gambia, The	0	2	1	0	0	0	0	0	0	0	0	0	1	1
Ghana	7	14	19	17	21	8	31	48	59	39	33	4	16	27
Guinea	2	1	0	1	2	1	0	3	0	1	0	2	2	1
Guinea-Bissau	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenya	110	93	90	82	129	97	82	73	55	34	56	69	82	81
Lesotho	1	1	1	1	1	3	3	5	7	7	7	1	1	3
Liberia	16	0	0	0	0	0	0	0	0	0	..	5	0	0
Madagascar	19	7	3	1	1	1	2	0	0	0	..	12	12	3
Malawi	25	7	4	2	2	4	2	1	0	1	0	13	7	3
Mali	1	0	0	0	0	0	0	0	0	0	0	1	1	0
Mauritania	4	1	0	0	0	0	0	2	2	0	..	3	2	1
Mauritius	15	13	13	8	11	21	38	94	100	95	91	11	11	45
Mozambique	..	5	5	4	2	4	1	1	8	8	18	1	6	6
Namibia	..	..	..	..	..	..	..	..	1	33	35	..	..	23
Niger	58	10	8	7	6	6	5	3	2	1	1	30	26	6
Nigeria	466	805	1,004	292	739	535	528	178	145	276	261	409	667	508
Rwanda	0	0	0	0	0	0	0	0	0	0	..	0	1	0
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Senegal	46	18	8	2	2	4	2	1	1	0	0	22	22	5
Seychelles	0	1	1	2	3	2	1	1	2	1	1	0	2	1
Sierra Leone	5	0	0	0	0	0	0	0	0	0	0	4	0	0
Somalia	0	0	0	0	0	0	0	0	0	0	..	1	0	0
South Africa	..	..	..	..	617	855	923	850	892	870	1,249	..	..	894
Sudan	5	0	0	0	0	0	0	0	0	0	0	15	9	0
Swaziland	2	1	1	0	0	0	0	0	0	0	0	1	1	0
Tanzania	13	4	6	5	1	5	5	2	3	2	3	9	3	3
Togo	8	0	0	0	0	0	0	0	0	0	..	7	6	1
Uganda	1	7	5	3	1	2	0	0	2	1	3	2	4	2
Zambia	63	20	20	15	15	20	8	12	7	4	..	43	23	15
Zimbabwe	9	81	81	72	80	75	65	59	60	32	..	30	83	69
NORTH AFRICA	2,078	2,176	3,257	1,972	1,678	1,604	1,452	1,260	1,153	1,161	1,104	1,372	2,060	1,721
Algeria	1,280	1,445	1,443	1,338	1,098	918	771	818	683	533	422	837	1,283	995
Egypt, Arab Republic	129	258	189	170	137	130	97	71	63	57	37	128	267	135
Libya	..	..	..	..	..	..	..	..	..	0	0	..	..	0
Morocco	515	352	1,516	354	345	437	447	232	239	398	451	319	370	453
Tunisia	154	122	109	109	99	118	137	140	168	173	194	88	141	138
ALL AFRICA	3,763	3,717	4,880	2,720	3,620	3,586	3,613	2,900	2,940	3,168	3,547	2,629	3,701	3,496

## 6-12. Interest payments: long-term loans and IMF charges

	Millions of U.S. dollars (current prices)										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	2,479	4,657	4,041	2,539	4,142	4,556	4,640	3,823	3,885	5,951	5,818	1,942	3,661	4,180
Excluding South Africa	2,479	4,657	4,041	2,539	3,487	3,651	3,928	2,910	2,928	5,080	4,997	1,942	3,661	3,895
Excl. S. Africa & Nigeria	1,950	2,602	2,210	1,977	2,411	2,762	2,935	2,396	2,459	3,195	2,559	1,466	2,589	2,539
Angola	0	103	48	26	51	80	284	140	171	214	277	3	69	136
Benin	3	13	11	13	19	22	17	19	22	21	1	5	14	15
Botswana	8	35	36	33	31	28	78	28	23	21	0	8	31	32
Burkina Faso	6	15	14	16	15	18	16	16	16	17	15	5	13	15
Burundi	3	13	14	12	13	11	9	9	8	14	18	2	14	12
Cameroon	121	180	160	159	157	176	238	192	181	..	..	92	177	184
Cape Verde	0	3	3	2	3	3	3	4	4	3	3	1	3	3
Central African Republic	1	7	7	4	9	5	4	3	7	23	23	3	10	9
Chad	1	5	6	8	8	5	14	11	11	15	0	1	3	8
Comoros	0	2	3	1	1	1	1	1	1	7	10	0	1	2
Congo, Democratic Rep. of	220	67	35	10	2	16	5	0	0	2	0	118	179	24
Congo, Republic of	38	51	29	21	232	62	181	41	7	489	412	50	97	150
Côte d'Ivoire	590	524	436	399	437	398	478	416	618	614	592	417	560	490
Djibouti	1	2	2	2	2	2	3	2	2	1	3	1	3	2
Equatorial Guinea	0	2	1	1	1	1	1	1	1	1	1	0	2	1
Eritrea	..	..	..	..	0	0	0	1	4	3	0	..	..	1
Ethiopia	19	38	42	24	40	61	54	46	49	55	52	20	65	47
Gabon	120	148	246	41	106	223	236	244	148	272	249	66	60	182
Gambia, The	1	7	7	6	6	5	5	6	6	5	6	2	6	6
Ghana	35	96	102	100	95	69	116	132	151	120	1	30	100	98
Guinea	24	40	33	37	41	44	44	45	44	60	59	20	29	46
Guinea-Bissau	1	5	3	2	4	6	4	3	5	5	2	1	3	4
Kenya	171	266	212	212	292	265	247	191	152	147	156	126	237	218
Lesotho	2	10	13	12	11	15	15	18	21	20	21	2	6	15
Liberia	24	2	1	9	0	2	2	0	0	2	9	17	11	2
Madagascar	28	72	37	27	20	17	19	93	51	44	1	29	85	43
Malawi	37	42	33	28	26	40	29	27	23	28	26	28	39	31
Mali	4	16	18	42	25	23	60	21	19	26	28	5	19	27
Mauritania	15	27	20	43	38	33	30	36	33	37	1	16	33	31
Mauritius	26	51	53	42	45	56	71	123	127	119	115	24	47	77
Mozambique	0	34	43	76	55	76	48	42	37	130	145	1	27	65
Namibia	..	..	..	..	..	..	..	..	1	34	34	..	..	23
Niger	65	24	15	23	16	14	11	14	11	11	29	37	57	18
Nigeria	529	2,054	1,831	862	1,075	859	1,043	544	519	1,972	2,038	476	1,072	1,356
Rwanda	2	6	6	5	2	8	7	8	7	12	..	1	7	7
São Tomé and Príncipe	0	1	1	1	1	1	1	2	1	2	3	0	1	1
Senegal	70	103	53	26	66	72	121	78	91	61	81	45	126	77
Seychelles	0	4	5	5	6	7	5	5	6	6	8	0	5	6
Sierra Leone	10	2	14	14	58	19	11	8	9	5	9	8	5	14
Somalia	2	0	0	0	0	1	3	0	0	1	12	5	11	2
South Africa	0	0	0	0	656	905	962	884	908	871	1,251	0	0	585
Sudan	63	10	13	11	1	15	12	15	3	13	3	57	52	9
Swaziland	9	8	8	7	6	5	12	7	8	10	8	5	12	8
Tanzania	54	57	59	103	62	83	98	42	105	63	50	41	46	70
Togo	19	22	12	9	6	8	24	14	10	10	30	17	47	17
Uganda	7	41	29	35	35	36	40	39	33	45	49	14	44	38
Zambia	141	302	167	151	167	555	86	71	60	169	7	102	85	165
Zimbabwe	10	147	163	179	203	209	194	184	175	151	10	41	150	161
NORTH AFRICA	2,698	4,064	5,654	4,558	4,532	4,902	4,991	4,322	4,172	4,095	3,935	2,015	3,662	4,341
Algeria	1,440	1,848	1,883	1,746	1,527	1,791	2,081	2,037	1,978	1,800	1,644	972	1,591	1,835
Egypt, Arab Republic	367	669	1,042	1,066	1,153	1,241	1,054	736	673	722	677	422	885	913
Libya	..	..	..	..	..	..	..	..	..	0	0	..	..	0
Morocco	663	1,145	2,341	1,311	1,375	1,367	1,337	1,062	1,018	1,067	1,121	466	844	1,274
Tunisia	229	402	417	436	477	503	519	488	503	507	492	155	341	469
ALL AFRICA	5,177	8,720	9,725	7,396	8,675	9,458	9,932	8,146	8,057	10,046	9,783	3,957	7,323	8,971



## 6-13. Total external debt service payments: long-term loans and IMF credit

	Millions of U.S. dollars (current prices)										Annual Average			
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	5 656	10,196	9,569	9 517	6 769	11 204	14 009	14,374	14 865	12 828	13,094	4 649	9 116	11,643
excluding South Africa	5 656	10,196	9,569	9,517	6,769	8,554	11,034	10,642	8,878	9 072	8,886	4,649	9 116	9,312
excl S Africa & Nigeria	4 884	6,892	6,652	5,808	5 328	6 722	9,257	8 181	7,495	7,789	8 002	3 589	6 904	7,214
Angola	..	283	336	195	89	204	415	939	945	1,083	1,099	29	164	559
Benin	9	35	29	26	31	40	48	44	51	56	65	13	34	42
Botswana	14	106	89	98	90	93	92	151	102	76	83	14	64	98
Burkina Faso	17	29	40	29	36	42	47	47	49	50	59	11	33	43
Burundi	7	41	38	38	35	40	38	30	29	30	27	8	38	35
Cameroon	252	479	395	363	441	361	393	486	473	478	490	203	559	436
Cape Verde	..	6	9	11	6	9	9	8	14	19	22	3	6	11
Central African Republic	8	28	14	14	7	21	15	12	15	28	17	9	27	17
Chad	6	10	9	10	16	18	15	30	35	34	32	5	10	21
Comoros	0	1	8	6	2	3	1	1	3	6	8	1	1	4
Congo, Democratic Rep. of	497	327	158	64	15	6	18	42	0	1	3	241	458	63
Congo, Republic of	78	483	260	127	98	537	146	321	96	25	5	136	355	210
Côte d'Ivoire	1,312	1,095	1,142	1,030	984	1,224	1,023	1,338	1,254	1,288	1,379	822	1,110	1,176
Djibouti	3	11	10	10	9	11	11	12	7	5	4	3	10	9
Equatorial Guinea	2	5	4	3	1	1	2	5	5	4	4	3	7	3
Eritrea	..	..	..	..	..	0	0	0	1	4	4	..	..	1
Ethiopia	36	228	131	104	90	107	153	346	99	118	157	51	242	153
Gabon	399	131	261	383	112	225	439	373	415	283	515	235	134	314
Gambia, The	1	37	30	29	27	30	26	27	26	26	20	5	21	28
Ghana	141	356	285	300	286	343	378	447	530	540	486	87	348	395
Guinea	100	165	133	84	81	94	173	110	145	147	122	76	105	125
Guinea-Bissau	4	6	22	6	3	7	15	11	9	8	9	2	7	10
Kenya	376	713	665	621	579	843	866	814	640	573	676	343	648	699
Lesotho	5	23	26	34	33	29	40	37	45	51	51	6	19	37
Liberia	43	3	17	1	22	15	2	1	0	1	3	41	21	6
Madagascar	72	215	156	93	75	63	55	79	211	123	160	72	208	123
Malawi	71	128	126	105	78	79	116	85	82	83	67	58	109	95
Mali	13	65	43	56	77	87	85	114	70	74	98	13	62	77
Mauritania	40	137	89	81	124	102	112	112	105	102	98	51	104	106
Mauritius	44	151	168	180	125	148	210	179	259	285	234	54	146	194
Mozambique	..	64	75	78	119	122	161	140	101	100	119	6	66	108
Namibia	3	2	0	0	0	45	2	1	2	10	15	2	8	8
Niger	122	90	98	51	88	64	55	56	59	61	50	87	130	67
Nigeria	772	3,304	2,917	3,709	1,441	1,822	1,777	2,461	1,383	1,283	884	1,064	2,213	2,098
Rwanda	4	16	18	15	16	3	20	17	21	19	30	4	20	17
São Tomé and Príncipe	1	2	2	2	2	2	2	3	3	4	4	1	3	3
Senegal	235	296	293	196	108	220	267	281	236	306	220	112	309	242
Seychelles	0	18	15	17	17	16	23	15	14	20	23	1	13	18
Sierra Leone	60	16	12	30	27	155	78	58	16	20	21	36	21	43
Somalia	13	10	0	0	0	0	1	3	0	0	1	14	31	2
South Africa	..	..	..	..	..	2,650	2,976	3,732	5,987	3,756	4,208	..	..	3,885
Sudan	194	25	22	27	20	3	69	48	58	61	57	147	115	39
Swaziland	17	47	29	25	24	26	21	33	24	22	29	12	36	28
Tanzania	135	170	202	231	208	179	229	266	160	239	186	100	147	207
Togo	38	80	50	32	23	19	26	56	54	38	36	44	108	41
Uganda	52	140	144	108	154	146	134	147	156	161	179	49	173	147
Zambia	410	199	592	350	362	374	2,622	242	235	193	431	295	216	560
Zimbabwe	50	422	413	550	590	574	610	617	642	938	607	107	456	596
NORTH AFRICA	6,780	15,007	15,545	17,178	15,713	12,802	11,668	11,378	10,934	11,366	11,831	5,359	10,483	15,141
Algeria	3,968	8,624	9,067	9,110	9,027	5,073	4,182	4,160	4,408	5,121	5,322	2,848	5,703	6,409
Egypt, Arab Republic	813	2,751	2,395	2,512	2,037	2,092	2,230	2,166	1,691	1,583	1,502	871	2,159	2,096
Libya	140	457	380	374	55	610	75	284	300	520	464	322	372	352
Morocco	1,341	1,774	2,372	3,876	3,308	3,622	3,740	3,343	3,172	2,791	3,087	921	1,693	3,108
Tunisia	518	1,401	1,331	1,305	1,285	1,405	1,442	1,426	1,363	1,371	1,455	398	956	1,178
ALL AFRICA	12 436	25,202	25,115	26,694	22,482	24 007	25,677	25 753	25,799	24,214	24,925	10 009	20 000	24 287

Note: In 1995, Zambia was able to clear its arrears to the IMF after completing a 3 year Rights Arrangement Program.

## 6-14. Interest payments: short-term loans

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	1,029	603	558	527	536	819	884	1,051	1,155	1,069	969	542	691	817
excluding South Africa	1,029	603	558	527	536	819	884	1,051	1,155	1,069	969	542	691	817
excl S Africa & Nigeria	650	575	518	477	334	348	312	163	166	189	88	306	522	109
Angola	..	53	54	6..	55	53	49	40	45	0	0	..	15	42
Benin	11	3	2	1	1	2	2	4	5	5	..	5	7	3
Botswana	2	0	0	0	0	0	0	1	0	0	0	0	0	0
Burkina Faso	5	6	5	2	2	2	2	3	3	4	..	2	4	3
Burundi	2	1	1	1	1	1	0	0	1	0	0	1	2	1
Cameroon	28	33	31	30	24	39	24	40	55	..	..	17	54	35
Cape Verde	..	0	0	0	0	1	0	0	0	0	0	0	0	0
Central African Republic	2	2	2	2	2	1	1	1	1	2	..	1	2	1
Chad	0	2	1	1	0	1	0	1	1	..	0	0	0	1
Comoros	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Congo, Democratic Rep. of	45	20	13	13	9	8	7	12	18	18	25	18	27	15
Congo, Republic of	31	40	35	30	20	35	18	16	16	0	0	12	45	24
Côte d'Ivoire	95	138	130	110	20	23	37	105	96	10	10	47	80	77
Djibouti	1	4	2	2	1	1	0	1	0	0	..	1	2	1
Equatorial Guinea	1	0	0	0	1	0	0	1	2	1	..	1	0	0
Eritrea	..	..	..	..	0	0	0	0	0	0	..	..	..	0
Ethiopia	9	7	5	5	4	1	1	1	1	2	1	4	7	3
Gabon	33	48	50	45	43	17	11	18	25	0	0	13	31	27
Gambia, The	3	1	1	1	2	1	1	1	1	0	0	1	2	1
Ghana	18	17	19	22	26	28	36	29	38	16	16	12	12	24
Guinea	9	4	4	3	3	5	3	10	12	0	0	4	5	4
Guinea-Bissau	1	1	0	0	0	0	1	1	0	0	1	1	2	1
Kenya	58	55	49	53	38	36	30	30	39	39	0	24	39	40
Lesotho	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Liberia	11	0	0	0	0	0	0	0	0	0	..	4	3	0
Madagascar	29	5	3	3	2	3	4	1	2	0	..	9	4	3
Malawi	16	4	4	1	1	3	4	3	1	0	0	5	5	2
Mali	3	3	2	2	1	2	2	15	8	0	0	2	4	3
Mauritania	7	10	6	4	4	5	4	8	8	0	0	5	7	5
Mauritius	8	5	3	4	10	16	19	23	27	30	30	3	3	16
Mozambique	..	7	5	3	1	1	1	3	4	0	0	0	8	4
Namibia	..	..	..	..	..	..	..	..	0	0	0	..	..	0
Niger	19	10	2	2	2	1	1	2	1	1	..	7	7	3
Nigeria	379	28	40	50	50	56	48	33	38	1	1	236	169	34
Rwanda	3	6	6	6	1	1	1	2	2	0	..	1	3	3
São Tomé and Príncipe	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Senegal	24	21	15	15	14	14	7	11	15	6	5	13	21	14
Seychelles	37	3	2	1	1	1	1	1	1	0	0	5	2	1
Sierra Leone	6	4	5	4	5	1	1	1	0	1	0	3	4	2
Somalia	0	0	0	0	0	0	0	0	0	0	..	0	0	0
South Africa	..	..	..	..	251	415	504	555	622	880	880	..	..	587
Sudan	70	0	0	0	0	0	0	0	0	0	..	39	38	3
Swaziland	2	0	0	0	0	0	0	8	2	2	0	1	1	1
Tanzania	26	5	5	4	5	4	6	6	7	8	0	12	19	5
Togo	14	5	5	4	4	3	2	2	2	4	..	6	6	4
Uganda	5	5	5	3	3	2	3	4	4	0	0	2	3	3
Zambia	0	3	1	1	2	1	9	10	10	0	0	0	0	4
Zimbabwe	15	48	45	33	28	35	44	44	43	41	..	22	25	41
<b>NORTH AFRICA</b>	669	177	420	285	233	216	194	330	305	96	92	462	569	280
Algeria	116	100	200	36	33	22	13	13	15	10	10	150	125	57
Egypt, Arab Republic	422	220	168	164	130	132	133	262	227	0	0	246	351	158
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	105	18	15	18	18	24	9	6	3	9	0	57	71	13
Tunisia	26	39	37	67	52	38	39	49	60	77	82	9	21	52
<b>ALL AFRICA</b>	1,697	780	978	812	869	1,035	1,078	1,381	1,460	1,165	1,061	1,004	1,260	1,107

## 6-15. Net flows: long- and short-term loans, including IMF

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	9,496	3,860	5,028	5,038	10,307	7,383	3,192	5,021	-1,060	1,411	589	7,831	5,215	4,350
excluding South Africa	9,496	3,860	5,028	5,038	1,044	3,970	2,511	5,453	-774	-228	589	7,831	5,215	3,052
excl. S. Africa & Nigeria	7,215	4,021	5,736	4,566	1,704	4,529	3,838	6,115	-505	1,803	1,796	6,307	6,101	3,702
Angola	..	227	905	294	305	-93	74	429	58	176	263	316	1,029	329
Benin	42	106	39	87	113	105	101	114	-24	72	..	85	52	80
Botswana	8	49	23	45	-10	2	-43	-18	-66	130	142	29	37	20
Burkina Faso	56	131	105	109	117	124	81	71	64	125	..	52	76	100
Burundi	0	66	101	45	25	26	4	3	10	-9	-4	0	19	30
Cameroon	538	70	380	134	305	65	-188	672	65	48	246	354	283	226
Cape Verde	..	-1	12	6	25	35	-5	14	31	7	25	18	8	14
Central African Republic	31	94	39	54	32	25	14	-3	-8	25	..	22	67	38
Chad	-8	97	120	51	72	63	110	77	24	118	98	22	47	85
Comoros	13	-2	15	5	7	11	4	8	-5	28	29	12	14	9
Congo, Democratic Rep. of	278	125	-26	0	-140	61	-91	242	-13	13	20	368	234	25
Congo, Republic of	541	-266	-35	310	79	166	-451	96	-66	183	-2	241	189	10
Côte d'Ivoire	1,257	561	627	731	-1,002	935	2,117	413	-1,064	-110	-191	741	351	382
Djibouti	9	17	30	36	-10	13	18	11	3	3	..	10	22	14
Equatorial Guinea	41	8	13	13	17	-8	0	19	12	-7	-7	12	12	6
Eritrea	..	..	..	..	27	7	7	33	73	123	71	..	..	49
Ethiopia	94	358	233	314	190	134	23	130	97	134	88	446	435	173
Gabon	-122	87	-193	19	-18	14	-84	260	-172	-288	-163	72	295	-34
Gambia, The	58	13	35	26	-20	-6	44	-5	3	4	6	26	15	10
Ghana	75	563	306	370	323	410	654	273	288	40	94	150	242	333
Guinea	23	122	143	228	120	98	72	403	-43	..	..	52	149	136
Guinea-Bissau	73	34	23	19	27	13	30	27	11	1	18	28	33	23
Kenya	718	280	114	154	-322	104	-185	21	-183	-169	-214	318	346	19
Lesotho	20	51	67	59	47	41	30	30	22	18	39	16	33	41
Liberia	95	-15	-1	10	-14	0	11	-21	3	1	..	93	23	-3
Madagascar	476	119	51	67	22	59	60	210	100	-28	32	199	128	80
Malawi	154	96	106	107	95	183	181	48	112	174	178	95	66	124
Mali	99	116	119	63	92	200	135	283	-36	118	94	93	111	122
Mauritania	139	60	-49	85	96	68	103	158	-84	-48	-32	115	86	42
Mauritius	104	56	56	22	260	312	110	768	-25	-3	..	60	27	163
Mozambique	..	58	235	99	189	193	197	341	189	382	409	320	309	224
Namibia	..	..	..	..	..	..	..	..	5	..	..	..	..	5
Niger	286	-128	48	26	28	-9	13	102	33	-55	..	120	110	18
Nigeria	2,780	-162	-708	472	-660	-559	-1,327	-663	-269	-2,031	-1,207	1,524	-886	-650
Rwanda	36	91	73	50	-11	53	52	114	79	89	82	32	70	66
São Tomé and Príncipe	7	28	26	15	8	14	5	5	5	14	11	6	14	13
Senegal	246	-69	177	70	-29	74	-14	141	98	-48	30	221	214	59
Seychelles	-390	10	-1	-3	6	-17	-2	9	33	23	18	8	10	7
Sierra Leone	62	19	112	161	90	-136	41	24	58	20	58	53	40	42
Somalia	138	13	0	0	0	0	0	-7	5	0	..	154	74	7
South Africa	..	..	..	..	9,263	3,412	681	-432	-287	1,638	..	..	..	2,379
Sudan	839	116	272	91	9	0	-119	-157	-14	-191	-59	642	243	11
Swaziland	31	-7	-9	-8	-3	7	-1	164	-127	-4	2	24	-1	-2
Tanzania	405	131	309	109	162	90	147	231	140	216	132	341	157	172
Togo	108	44	27	-60	56	39	68	9	49	88	..	101	48	33
Uganda	130	169	236	246	224	184	206	248	100	227	191	103	164	209
Zambia	360	123	82	29	88	435	169	-83	25	60	91	305	236	81
Zimbabwe	148	202	793	283	28	437	142	213	-369	102	..	225	-16	217
NORTH AFRICA	5,618	1,044	386	-1,014	1,973	1,712	1,598	-251	-1,773	-2,421	-2,460	5,935	3,180	-201
Algeria	1,261	64	-137	-868	2,029	1,392	1,624	-421	-1,609	-1,941	-1,845	1,611	945	-237
Egypt, Arab Republic	2,465	385	-608	-333	28	-28	-547	465	820	-522	-788	2,596	1,411	-220
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	1,624	140	555	-35	-532	-306	-172	-863	-266	-437	..	1,346	521	-103
Tunisia	267	455	576	221	448	654	693	568	-718	479	173	382	303	349
ALL AFRICA	15,614	4,903	5,414	4,024	12,280	9,095	4,791	4,770	-2,834	-1,010	-1,872	13,766	8,395	4,149

## 6-16. Net flows: long-term loans, including IMF

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	8,575	4,800	4,318	3,847	4,855	4,833	4,628	840	1,576	-585	-930	6,846	5,334	2,818
excluding South Africa	8,575	4,800	4,318	3,847	4,855	3,310	3,150	1,318	2,103	218	-233	6,846	5,334	2,769
excl. S Africa & Nigeria	7,064	5,053	4,393	5,190	4,890	1,458	3,635	2,420	2,629	706	188	5,830	5,132	3,256
Angola	..	679	96	501	623	263	215	124	385	-122	-42	234	758	272
Benin	66	100	96	65	85	110	89	101	25	27	36	79	56	73
Botswana	21	-37	49	23	45	-10	1	-45	-52	-33	-55	28	37	-11
Burkina Faso	59	60	130	128	131	105	110	81	56	71	79	50	70	95
Burundi	41	67	66	102	54	25	18	14	-1	9	-1	39	89	35
Cameroon	495	448	218	466	217	275	-96	-18	15	-32	19	316	253	151
Cape Verde	..	8	-1	10	6	23	16	19	12	31	31	18	8	16
Central African Republic	33	104	91	39	46	47	23	19	-5	-6	5	21	65	36
Chad	0	105	88	139	50	74	62	109	68	29	77	22	43	80
Comoros	13	5	-2	15	4	8	9	6	3	-1	-5	11	14	4
Congo, Democratic Rep. of	326	115	214	55	54	-3	-1	-33	0	-1	-1	359	182	40
Congo, Republic of	485	-45	-172	33	383	45	-69	-116	-32	-8	-4	224	141	2
Côte d'Ivoire	1,055	551	330	259	234	618	299	154	-602	-57	-585	709	49	120
Djibouti	8	18	46	36	19	17	9	19	9	5	5	8	17	18
Equatorial Guinea	36	6	14	13	13	6	1	-1	-2	-3	0	10	15	5
Eritrea	..	..	..	..	..	27	7	7	33	67	109	..	..	42
Ethiopia	102	197	351	283	343	190	141	25	127	98	131	440	429	189
Gabon	-109	164	49	-29	22	79	62	-16	-4	-89	-221	53	233	2
Gambia, The	55	7	8	34	5	-1	3	36	4	1	6	22	20	10
Ghana	143	243	470	290	323	220	339	605	252	246	110	127	246	310
Guinea	54	86	148	160	242	128	71	76	165	77	29	47	136	118
Guinea-Bissau	72	34	38	37	22	25	14	25	30	15	1	23	40	24
Kenya	509	321	553	92	81	-257	98	-100	-230	-190	-260	298	310	11
Lesotho	12	47	50	66	59	47	41	30	30	22	19	15	33	41
Liberia	91	-2	-13	0	20	-15	0	0	0	-1	-1	89	20	-1
Madagascar	401	110	133	61	77	39	51	96	218	31	67	191	141	88
Malawi	156	75	120	87	145	94	151	128	123	113	102	90	59	114
Mali	100	150	119	139	63	101	176	132	98	53	64	87	114	109
Mauritania	129	50	10	84	97	100	55	94	39	-14	-13	107	79	50
Mauritius	124	58	56	-1	22	83	255	32	691	-102	30	56	29	112
Mozambique	..	202	115	231	168	187	182	208	241	191	84	300	292	181
Namibia	0	0	0	0	50	-45	23	19	20	7	59	0	-2	13
Niger	233	85	-42	46	35	41	-13	11	66	61	2	114	106	29
Nigeria	1,510	-253	-76	-1,343	-35	-148	-486	-1,102	-525	-487	-421	1,015	203	-488
Rwanda	31	53	89	71	50	20	56	52	80	93	91	28	68	65
São Tomé and Príncipe	9	15	29	23	14	14	13	10	3	4	3	6	11	13
Senegal	230	55	44	180	72	47	46	56	110	38	-70	195	216	58
Seychelles	12	-4	9	13	6	8	-7	2	2	9	-8	6	7	3
Sierra Leone	54	12	6	36	86	103	56	43	40	51	19	35	10	45
Somalia	125	40	13	0	0	0	0	0	0	0	0	149	81	5
South Africa	..	..	..	..	..	1,524	1,478	-478	-528	-803	-698	..	..	83
Sudan	790	169	116	94	91	9	-3	-18	-38	-59	-44	565	163	32
Swaziland	24	-21	-6	-10	-9	-4	3	8	8	3	-4	23	-4	-3
Tanzania	352	209	164	307	133	142	112	78	220	130	215	294	193	171
Togo	101	61	39	35	3	42	41	65	29	52	7	95	28	37
Uganda	116	263	164	229	291	210	189	183	237	97	76	100	159	194
Zambia	421	38	68	100	29	88	539	80	122	-49	-31	289	146	98
Zimbabwe	93	154	232	647	389	132	250	24	37	-160	56	190	-29	176
NORTH AFRICA	5,182	1,212	458	1,311	92	1,373	1,547	1,194	-625	-2,419	-2,515	5,334	3,678	163
Algeria	869	156	-384	309	-775	2,093	1,770	1,555	-255	-1,633	-1,909	1,435	929	93
Egypt, Arab Republic	2,297	214	299	-25	180	100	-466	-523	-179	-452	-564	2,175	1,464	-141
Libya	110	6	-142	256	375	-507	77	-14	1	33	-64	101	316	2
Morocco	1,584	803	256	375	39	-445	-284	-250	-797	-148	-438	1,250	708	-89
Tunisia	321	33	429	396	272	131	450	427	605	-220	460	373	262	298
ALL AFRICA	13,757	6,012	4,775	5,158	4,947	6,206	6,175	2,034	950	-3,003	-3,445	12,180	9,012	2,981

## 6-17. Net transfers: long- and short-term loans, including IMF

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	6,527	-1,401	430	2,530	5,529	2,007	-2,632	146	-5,674	-5,914	-5,759	5,384	756	-815
excluding South Africa	6,527	-1,401	430	1,672	-2,826	-85	-1,846	2,017	-4,274	-3,465	-3,628	5,384	756	-1,058
excl. S. Africa & Nigeria	4,656	843	3,009	2,112	-1,041	1,389	572	3,256	-3,448	-1,117	-1,590	4,573	2,883	722
Angola	0	71	802	202	200	-226	-259	243	-157	-886	-1,096	121	926	-25
Benin	27	91	26	73	92	81	82	91	-44	9	-1	75	31	52
Botswana	-1	13	-13	12	-41	-26	-122	-48	-89	54	0	21	5	-30
Burkina Faso	45	110	86	91	100	104	63	53	31	47	-15	46	59	66
Burundi	36	52	85	32	12	15	-5	-6	2	29	52	37	74	29
Cameroon	389	-143	189	-55	124	-150	-450	440	-228	24	246	245	51	39
Cape Verde	0	-3	9	4	21	30	-8	10	27	24	7	7	5	12
Central African Republic	28	85	31	49	21	19	9	-7	-14	-26	-23	18	55	22
Chad	-9	91	113	42	63	57	96	65	1	93	0	21	44	66
Comoros	13	-4	12	4	6	11	4	7	-5	20	19	11	13	7
Congo, Democratic Rep. of	13	38	-74	-23	-151	38	-103	229	-31	-5	-4	232	29	-13
Congo, Republic of	473	-357	-99	258	-174	69	-650	39	-76	-306	-414	180	47	-162
Côte d'Ivoire	572	-100	61	222	-1,459	514	1,602	-109	-1,764	-66	-112	277	-290	-60
Djibouti	7	11	26	31	-13	11	15	9	-3	-3	-3	8	16	9
Equatorial Guinea	40	6	11	12	15	-9	-1	17	13	1	-1	11	10	7
Eritrea	..	..	..	..	27	7	7	33	69	120	0	..	..	37
Ethiopia	67	313	186	285	146	71	-33	82	27	101	48	422	363	125
Gabon	-275	-109	-489	-67	-167	-226	-331	-2	-343	-559	-426	-7	205	-245
Gambia, The	55	5	27	18	-27	-12	39	-12	1	-2	29	24	7	6
Ghana	22	451	185	248	202	312	503	111	98	-96	77	108	130	211
Guinea	-11	79	106	188	76	49	25	348	-121	-102	-147	28	116	48
Guinea-Bissau	71	27	20	17	23	7	26	23	7	-5	24	26	28	19
Kenya	489	-41	-147	-111	-651	-197	-462	-199	-373	106	-35	168	70	-166
Lesotho	18	40	54	47	36	26	14	11	-1	-2	18	13	27	26
Liberia	60	-17	-1	1	-14	-2	10	-21	3	-1	-9	72	9	-5
Madagascar	419	42	11	36	0	39	37	116	60	21	-1	161	38	41
Malawi	101	49	70	78	69	141	148	18	87	146	153	62	14	91
Mali	92	97	99	19	67	175	73	247	-63	92	65	86	87	91
Mauritania	117	24	-74	39	54	30	69	114	-126	-85	-19	94	47	7
Mauritius	70	0	-1	-24	205	241	21	621	-179	-161	-79	34	-23	61
Mozambique	0	16	187	20	133	116	148	295	173	113	-145	127	274	108
Namibia	0	0	0	0	0	0	0	0	4	-34	-33	0	0	-6
Niger	202	-161	31	1	10	-24	1	87	8	-4	-29	75	46	1
Nigeria	1,872	-2,244	-2,579	-440	-1,785	-1,474	-2,418	-1,239	-826	-2,348	-2,038	811	-2,127	-1,780
Rwanda	31	79	61	39	-14	44	45	104	52	78	..	29	60	53
São Tomé and Príncipe	7	27	25	13	7	13	3	3	4	8	11	6	12	11
Senegal	151	-193	109	28	-110	-13	-143	52	-8	-115	-56	162	67	-32
Seychelles	-427	3	-7	-10	-2	-25	-7	4	25	17	10	3	3	1
Sierra Leone	47	14	94	143	28	-156	29	15	33	10	49	41	31	24
Somalia	135	13	0	0	0	-1	-3	-7	5	-1	-12	149	62	4
South Africa	0	0	0	858	8,356	2,092	-786	-1,870	-1,400	-2,449	-2,131	0	0	243
Sudan	707	106	259	81	9	-15	-131	-173	41	89	106	544	-17	46
Swaziland	20	-15	-17	-15	-9	2	-13	149	-136	-16	-6	17	-14	-11
Tanzania	325	69	245	2	95	4	43	184	71	174	54	288	92	100
Togo	74	17	11	-72	46	28	42	-7	33	83	-30	78	-5	11
Uganda	118	123	202	208	186	147	163	205	71	140	128	87	117	164
Zambia	219	-182	-86	-124	-81	-121	74	-165	-45	-109	19	203	151	-93
Zimbabwe	122	7	585	70	-202	193	-96	-15	-586	-133	-10	163	-191	-5
NORTH AFRICA	2,250	-3,398	-5,716	-5,856	-2,792	-3,406	-3,586	-4,904	-6,570	-5,932	-7,090	3,458	-1,051	-4,993
Algeria	-294	-1,884	-2,220	-2,649	468	-422	-470	-2,470	-3,971	-3,742	-3,473	489	-772	-2,159
Egypt, Arab Republic	1,676	-505	-1,816	-1,562	-1,255	-1,401	-1,734	-533	-80	-1,243	-1,465	1,928	174	-1,291
Libya	..	..	..	..	..	..	..	..	..	0	0	..	..	0
Morocco	857	-1,023	-1,801	-1,363	-1,925	-1,696	-1,517	-1,931	-1,287	-1,340	-1,121	822	-394	-1,364
Tunisia	12	14	122	-282	-81	113	134	30	-1,232	393	-1,030	218	-59	-179
ALL AFRICA	8,778	-4,798	-5,286	-3,326	2,737	-1,399	-6,218	-4,757	-12,244	-11,846	-12,849	8,842	-295	-5,808

## 6-18. Net transfers: long-term loans, including IMF

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	6,095	-340	-194	2,824	736	49	-4,120	-2,268	-4,645	-6,852	-6,187	4,904	1,676	-1,836
excluding South Africa	6,095	-340	-194	1,966	-132	-524	-2,679	-857	-2,751	-5,283	-4,937	4,904	1,676	-1,412
excl. S. Africa & Nigeria	5,114	1,790	2,981	2,863	1,091	820	-533	212	-1,745	-2,890	-2,899	4,364	2,544	388
Angola	0	-7	452	597	213	135	-161	245	-292	-886	-1,096	90	689	-20
Benin	63	84	54	72	91	67	84	6	11	14	-1	74	42	52
Botswana	14	14	-12	12	-41	-26	-123	-80	-56	54	0	20	6	-30
Burkina Faso	53	115	114	115	90	92	66	40	41	51	-15	45	57	69
Burundi	38	53	87	41	12	7	5	-10	2	29	52	36	75	30
Cameroon	374	38	306	58	118	-271	-256	-177	-270	-24	..	224	75	-24
Cape Verde	0	-3	7	4	20	13	16	8	28	13	9	7	6	11
Central African Republic	32	84	32	43	38	18	15	-8	-12	-25	-23	18	55	23
Chad	-1	83	134	42	66	57	95	57	6	103	0	21	40	68
Comoros	13	-4	12	3	7	9	6	2	-1	20	19	11	13	7
Congo, Democratic Rep. of	106	146	20	43	-5	-18	-39	0	0	6	0	241	3	13
Congo, Republic of	448	-223	4	362	-188	-131	-296	-73	-2	-797	-375	174	44	-171
Côte d'Ivoire	465	-194	-177	-165	181	-99	-323	-1,018	-662	-724	-776	292	-511	-353
Djibouti	7	44	33	17	15	7	16	7	0	0	-3	7	14	14
Equatorial Guinea	36	12	11	12	5	0	-2	-3	-1	2	-1	9	13	4
Eritrea	..	..	..	..	27	7	7	33	64	120	0	..	..	37
Ethiopia	83	313	241	319	150	80	-29	81	29	101	60	419	364	136
Gabon	-228	-99	-275	-19	-27	-160	-252	-247	-236	-559	-426	-13	174	-202
Gambia, The	54	1	27	-2	-7	-2	31	-2	-1	-2	23	21	14	6
Ghana	108	375	188	223	125	270	489	120	95	-42	92	96	147	189
Guinea	30	108	127	205	88	27	32	119	10	-102	-147	27	107	45
Guinea-Bissau	71	33	35	20	21	9	21	27	11	-3	16	22	37	20
Kenya	338	287	-119	-132	-549	-168	-347	-421	-342	-298	-357	172	74	-216
Lesotho	10	40	53	47	37	26	15	11	0	-2	18	13	28	26
Liberia	67	-15	-1	11	-15	-2	-2	0	0	-2	-9	72	10	-3
Madagascar	373	62	24	49	19	35	77	125	-7	17	-1	162	56	38
Malawi	119	77	54	117	68	111	99	96	90	70	128	63	20	86
Mali	96	103	121	22	76	153	72	76	34	92	65	82	94	86
Mauritania	115	-17	64	55	62	22	63	3	-47	-71	8	90	46	14
Mauritius	98	5	-53	-21	38	199	-39	568	-229	-219	-115	33	-19	13
Mozambique	0	81	188	92	132	106	160	199	178	113	-145	119	265	116
Namibia	0	0	0	0	0	0	0	0	4	-34	-34	0	0	-6
Niger	168	-66	32	12	25	-26	0	52	37	-3	-29	77	49	8
Nigeria	981	-2,130	-3,174	-897	-1,223	-1,344	-2,146	-1,069	-1,007	-2,393	-2,038	540	-869	-1,800
Rwanda	29	83	65	45	19	48	45	72	68	78	..	27	62	57
São Tomé and Príncipe	9	28	22	13	12	12	8	2	3	8	11	6	10	12
Senegal	160	-59	127	46	-19	-26	-65	32	-53	-99	-40	150	90	-18
Seychelles	12	5	8	0	2	-14	-3	-3	3	17	10	6	3	1
Sierra Leone	45	5	22	72	45	37	32	32	26	15	48	27	5	31
Somalia	122	13	0	0	0	-1	-3	0	0	-1	-12	144	70	3
South Africa	0	0	0	858	868	573	-1,441	-1,411	-1,294	-1,569	-1,251	0	0	-424
Sudan	727	106	81	81	9	-18	-31	-53	-4	-19	-7	509	111	28
Swaziland	15	-14	-17	-16	-10	-2	-4	1	-4	-14	-6	17	-16	-11
Tanzania	298	107	248	30	80	29	-19	178	68	182	54	253	148	101
Togo	81	17	23	-6	36	33	41	15	38	6	-30	78	-19	18
Uganda	109	123	200	256	175	153	143	198	72	128	128	87	115	164
Zambia	280	-235	-67	-122	-80	-16	-6	51	-109	-109	19	187	60	-64
Zimbabwe	82	85	484	209	-70	42	-170	-147	-335	-92	-10	150	-179	0
NORTH AFRICA	2,174	-3,464	-4,627	-4,841	-2,653	-3,432	-3,782	-4,948	-6,944	-6,517	-6,397	3,218	-300	-4,545
Algeria	-570	-2,232	-1,574	-2,521	566	-22	-526	-2,292	-3,981	-3,741	-3,490	463	-663	-1,955
Egypt, Arab Republic	1,930	-371	-1,065	-886	-1,053	-1,708	-1,577	-914	-1,124	-1,243	-1,465	1,754	578	-1,110
Libya	..	..	..	..	..	..	..	..	..	0	0	..	..	0
Morocco	922	-889	-1,966	-1,271	-1,820	-1,650	-1,586	-1,859	-1,166	-1,505	-1,121	784	-136	-1,354
Tunisia	92	27	-22	-163	-346	-53	-92	117	-673	-28	-319	218	-79	-176
ALL AFRICA	8,469	-3,804	-4,320	-2,017	-1,917	-3,384	-7,901	-7,216	-10,989	-13,369	-12,583	8,122	1,376	-6,430

## 6-19. Long-term debt: official concessional

	Millions of U.S. dollars (current prices)										Annual Average			
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	16,310	58,608	63,233	66,199	69,819	76,110	80,989	82,970	83,247	90,223	85,163	16,398	42,892	75,656
excluding South Africa	16,310	58,608	63,233	66,199	69,819	76,110	80,989	82,970	83,247	90,223	85,163	16,398	42,892	75,656
excl S Africa & Nigeria	15,872	58,087	62,271	65,227	68,725	74,820	79,612	81,616	81,925	88,641	83,439	16,030	42,475	74,436
Angola	..	1,197	1,280	1,302	1,315	1,405	1,490	2,152	2,212	2,739	2,754	18	423	1,785
Benin	166	1,009	1,036	1,105	1,165	1,270	1,253	1,293	1,265	1,333	1,359	166	539	1,209
Botswana	59	185	229	233	264	293	340	322	290	296	268	86	126	272
Burkina Faso	221	597	724	820	914	906	1,001	1,085	1,077	1,175	1,249	177	493	955
Burundi	104	779	836	890	946	1,012	1,047	1,040	989	1,048	1,023	107	570	961
Cameroon	873	1,826	1,868	2,350	2,490	3,510	4,108	4,158	4,231	4,559	4,268	690	1,335	3,337
Cape Verde	..	96	98	105	107	133	147	154	162	194	233	32	80	143
Central African Republic	59	511	609	629	674	723	765	768	724	750	745	64	354	690
Chad	171	402	495	538	592	674	694	763	807	873	928	141	218	677
Comoros	43	159	158	168	163	172	183	184	181	179	171	44	152	172
Congo, Democratic Rep. of	862	3,136	3,269	3,207	3,217	3,403	3,511	3,361	3,127	3,406	3,206	820	1,947	3,284
Congo, Republic of	404	1,739	1,816	1,756	1,690	1,884	1,984	2,003	1,854	1,886	1,730	373	885	1,834
Côte d'Ivoire	438	3,096	3,398	3,504	3,696	3,883	4,563	4,806	4,503	4,943	4,418	411	1,770	4,081
Djibouti	15	152	202	217	229	253	267	278	252	263	252	19	123	236
Equatorial Guinea	32	118	125	132	139	142	148	145	139	144	142	31	84	137
Eritrea	..	..	..	..	..	29	37	42	73	140	237	..	..	93
Ethiopia	562	7,533	7,677	7,858	8,184	8,485	8,717	8,695	8,633	8,812	4,795	1,352	5,913	7,939
Gabon	113	422	488	448	408	573	702	742	893	948	821	87	230	645
Gambia, The	68	250	269	298	310	336	362	395	389	417	413	59	185	344
Ghana	775	2,120	2,382	2,574	2,895	3,343	3,741	4,006	4,077	4,620	4,822	683	1,447	3,458
Guinea	678	1,675	1,804	1,977	2,157	2,329	2,457	2,426	2,479	2,649	2,614	734	1,256	2,257
Guinea-Bissau	87	393	415	439	475	534	565	675	666	702	666	63	238	553
Kenya	684	2,380	2,713	2,788	3,090	3,394	3,879	3,938	3,762	4,123	4,140	650	1,741	3,421
Lesotho	44	292	335	371	382	440	469	465	456	484	472	48	183	417
Liberia	211	594	585	573	599	622	635	610	585	598	582	221	540	598
Madagascar	467	1,723	1,944	1,958	1,952	2,118	2,242	2,132	2,681	2,913	2,919	499	1,249	2,258
Malawi	258	1,051	1,227	1,310	1,502	1,681	1,897	1,946	1,973	2,184	2,475	275	743	1,725
Mali	613	2,247	2,379	2,690	2,692	2,464	2,660	2,687	2,626	2,763	2,744	592	1,652	2,595
Mauritania	526	1,280	1,328	1,327	1,521	1,598	1,688	1,739	1,700	1,842	1,809	507	1,174	1,583
Mauritius	65	349	393	383	383	416	439	402	345	354	316	65	207	378
Mozambique	..	2,083	2,394	2,634	2,864	3,239	2,936	3,204	3,190	4,066	3,485	269	1,910	3,010
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	155	826	833	879	932	978	1,017	1,031	1,056	1,169	1,173	173	611	989
Nigeria	439	521	961	972	1,094	1,290	1,377	1,354	1,322	1,582	1,724	368	417	1,220
Rwanda	141	659	743	787	835	903	961	977	985	1,114	1,158	126	487	912
São Tomé and Príncipe	20	108	124	144	157	177	221	219	219	236	230	16	65	184
Senegal	400	1,968	1,947	2,080	2,111	2,104	2,239	2,286	2,391	2,600	2,521	412	1,598	2,225
Seychelles	19	71	76	70	66	67	68	67	67	70	68	13	55	69
Sierra Leone	175	312	329	384	492	590	700	736	729	780	774	157	266	583
Somalia	546	1,557	1,577	1,540	1,546	1,576	1,596	1,557	1,503	1,531	1,516	564	1,304	1,550
South Africa	..	..	..	..	..	0	0	0	0	0	0	..	..	0
Sudan	1,730	4,452	4,599	4,597	4,671	4,775	4,838	4,750	4,636	4,704	4,654	1,697	3,727	4,667
Swaziland	86	160	157	146	135	153	167	154	141	143	131	63	122	149
Tanzania	2,692	3,458	3,577	3,848	4,016	4,372	4,454	4,482	5,096	5,528	5,774	2,556	3,034	4,461
Togo	245	699	760	788	795	880	901	955	943	1,028	1,021	186	456	877
Uganda	254	1,451	1,625	1,806	2,130	2,456	2,767	2,878	2,977	3,192	3,277	222	792	2,456
Zambia	797	2,066	2,494	2,484	2,616	3,087	3,294	3,502	3,488	3,648	3,531	672	1,561	3,021
Zimbabwe	15	906	955	1,089	1,206	1,440	1,462	1,405	1,354	1,492	1,555	81	628	1,286
NORTH AFRICA	13,487	24,145	25,824	26,370	27,751	30,679	32,775	36,810	34,547	35,660	34,438	11,995	22,082	30,920
Algeria	1,269	860	955	1,056	1,313	2,053	3,082	3,285	3,137	3,277	3,287	1,031	599	2,231
Egypt, Arab Republic	8,115	12,520	16,621	17,151	17,996	19,531	20,285	24,030	22,585	23,467	22,533	7,116	13,200	19,672
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	2,717	7,984	5,374	5,467	5,532	6,012	6,371	6,659	6,285	6,419	6,046	2,597	5,982	6,215
Tunisia	1,386	2,782	2,874	2,896	2,910	3,082	3,039	2,836	2,539	2,497	2,572	1,251	2,301	2,803
ALL AFRICA	29,798	82,753	89,057	92,769	97,571	106,789	113,765	119,780	117,794	125,884	119,601	28,391	64,974	106,576

## 6-20. Long-term debt: official nonconcessional

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	9,295	50,281	52,509	51,640	50,310	54,839	56,524	52,503	47,570	48,909	43,603	8,346	34,311	50,869
excluding South Africa	9,295	50,281	52,509	51,640	50,310	54,839	56,524	52,503	47,570	48,909	43,602	8,346	34,311	50,869
excl. S Africa & Nigeria	8,742	33,795	34,318	34,285	33,157	36,318	37,408	35,213	31,881	32,812	28,656	7,614	25,235	33,784
Angola	..	641	637	637	608	565	614	593	546	1,078	909	32	390	683
Benin	50	193	196	214	203	213	226	152	129	135	110	30	85	177
Botswana	76	344	360	351	340	334	307	249	205	188	153	76	309	283
Burkina Faso	39	114	152	154	148	130	130	70	58	55	42	34	112	105
Burundi	6	63	59	52	49	48	47	40	33	30	25	9	55	44
Cameroon	364	2,056	2,201	2,658	2,555	2,789	3,011	3,030	2,952	3,158	2,982	299	961	2,739
Cape Verde	..	33	30	29	31	31	32	30	26	33	21	29	32	30
Central African Republic	40	92	87	81	78	62	71	68	64	63	52	37	106	72
Chad	34	53	57	126	116	78	137	134	115	115	101	24	28	103
Comoros	0	14	9	7	7	7	8	9	8	9	9	2	13	9
Congo, Democratic Rep. of	1,747	4,986	5,144	4,901	4,727	5,031	5,247	5,053	4,667	4,894	4,477	1,336	3,779	4,913
Congo, Republic of	200	1,316	1,332	1,236	1,192	1,949	2,059	1,797	1,598	1,551	1,421	158	815	1,545
Côte d'Ivoire	809	4,590	5,035	5,093	4,906	4,760	4,654	3,981	3,403	3,359	2,837	694	3,117	4,262
Djibouti	7	3	3	2	2	2	2	1	1	1	1	4	5	2
Equatorial Guinea	14	74	73	66	61	62	65	61	56	58	52	13	62	63
Eritrea	..	..	..	..	..	0	0	2	3	7	17	..	..	5
Ethiopia	76	368	381	380	399	433	463	435	441	455	436	82	208	419
Gabon	203	2,013	2,060	1,976	1,929	2,853	3,075	3,087	2,641	2,760	2,341	173	807	2,473
Gambia, The	5	40	39	39	35	32	24	18	13	16	12	5	34	27
Ghana	259	439	451	448	435	427	400	442	395	375	327	181	309	414
Guinea	183	469	497	382	398	460	448	458	454	448	414	149	378	443
Guinea-Bissau	10	205	230	224	212	200	202	180	172	176	165	15	145	197
Kenya	523	1,334	1,266	1,172	1,060	1,459	1,373	1,168	982	931	717	490	1,311	1,146
Lesotho	2	52	56	66	97	115	133	129	125	122	134	5	38	103
Liberia	148	330	326	314	303	306	319	301	285	295	275	131	299	305
Madagascar	105	1,472	1,450	1,399	1,277	1,333	1,380	1,344	1,149	1,152	1,069	251	1,408	1,302
Malawi	184	253	225	193	177	170	157	126	106	106	102	132	256	162
Mali	15	73	71	81	89	79	77	75	66	64	54	13	44	73
Mauritania	57	412	398	410	363	383	385	361	316	350	309	74	343	369
Mauritius	89	299	304	254	242	234	224	213	210	228	213	74	244	242
Mozambique	..	1,478	1,469	1,857	1,832	1,888	2,227	2,127	2,008	1,906	1,128	153	796	1,792
Namibia	0	0	0	1	1	0	0	21	41	40	189	0	0	29
Niger	101	289	303	286	278	290	313	298	272	283	251	90	302	286
Nigeria	554	16,486	18,191	17,355	17,153	18,521	19,115	17,291	15,689	16,097	14,946	733	9,077	17,084
Rwanda	1	2	1	1	1	1	7	6	7	4	2	1	2	3
São Tomé and Príncipe	3	24	24	23	23	23	10	5	4	4	3	5	21	14
Senegal	253	791	789	800	829	840	868	816	699	648	581	272	916	766
Seychelles	6	27	26	28	31	38	42	41	39	44	40	6	24	36
Sierra Leone	71	193	189	257	245	233	198	159	153	170	157	51	152	196
Somalia	21	333	332	322	316	323	329	325	315	320	310	60	299	322
South Africa	..	..	..	..	..	0	0	0	0	0	1	..	..	0
Sudan	1,564	3,048	3,038	2,911	2,870	2,990	3,083	3,026	2,886	2,962	2,851	1,201	2,537	2,967
Swaziland	79	83	79	66	63	57	56	66	70	79	75	57	113	69
Tanzania	349	1,857	1,763	1,613	1,404	1,371	1,352	1,227	684	673	607	343	1,385	1,255
Togo	236	324	319	284	267	287	322	289	253	274	241	180	423	286
Uganda	39	375	357	367	354	320	212	196	352	216	215	65	311	296
Zambia	688	2,042	1,814	1,672	1,462	1,842	1,781	1,684	1,587	1,559	934	621	1,794	1,638
Zimbabwe	86	602	689	852	1,144	1,273	1,345	1,321	1,295	1,421	1,293	86	464	1,123
NORTH AFRICA	9,190	27,689	28,235	28,705	28,914	33,395	37,992	34,714	33,263	34,381	31,625	9,205	28,634	31,891
Algeria	2,226	4,734	5,313	5,212	4,946	8,610	12,314	14,653	15,108	16,137	15,189	1,739	3,838	10,222
Egypt, Arab Republic	4,507	8,669	7,848	7,525	7,448	8,202	8,510	3,487	3,143	3,281	2,928	4,824	15,536	6,104
Libya	1,079	2,820	2,491	2,835	3,228	2,665	2,664	2,664	2,664	2,600	2,600	1,141	2,050	2,723
Morocco	802	9,007	9,608	10,121	9,955	10,114	10,144	9,267	7,901	7,800	7,081	983	5,535	9,100
Tunisia	575	2,460	2,974	3,012	3,338	3,804	4,361	4,644	4,447	4,562	3,828	518	1,675	3,743
ALL AFRICA	18,485	77,970	80,744	80,345	79,224	88,234	94,516	87,217	80,833	83,289	75,228	17,551	62,945	82,760



## 6-21. Long-term debt: private

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	20,778	38,945	32,663	32,673	46,461	48,579	44,747	42,270	40,779	47,056	42,722	17,542	37,420	41,593
excluding South Africa	20,778	38,945	32,663	32,673	33,426	33,807	30,412	28,391	27,512	33,094	24,803	17,542	37,420	32,396
excl S Africa & Nigeria	16,402	25,429	24,181	24,177	24,971	25,858	23,326	22,476	21,451	27,090	21,097	13,046	23,441	24,160
Angola	..	5,788	6,200	6,781	7,031	7,320	6,511	5,813	5,696	5,886	5,511	557	3,853	6,210
Benin	118	8	5	4	4	4	4	3	4	0	..	142	295	5
Botswana	8	25	21	48	50	47	36	28	24	18	12	15	43	30
Burkina Faso	20	6	5	4	4	5	4	4	4	4	..	18	34	8
Burundi	8	6	4	3	2	2	1	1	1	95	187	10	22	28
Cameroon	1,014	1,716	1,525	1,467	1,245	1,238	1,119	777	659	508	355	727	1,386	1,120
Cape Verde	..	2	2	2	2	6	12	12	11	0	0	0	3	5
Central African Republic	48	21	20	21	18	18	14	14	33	265	278	40	23	66
Chad	54	8	7	6	6	2	17	17	17	14	0	42	31	9
Comoros	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Congo, Democratic Rep. of	1,462	872	852	836	860	878	861	834	899	504	496	1,393	879	798
Congo, Republic of	652	893	883	1,232	941	913	866	832	814	555	555	546	1,408	875
Côte d'Ivoire	5,091	5,436	5,263	5,125	5,210	5,345	4,429	4,592	4,330	6,558	6,767	3,507	5,570	5,327
Djibouti	5	0	0	0	0	0	0	0	0	0	..	3	3	0
Equatorial Guinea	7	17	16	15	16	17	16	14	15	0	0	9	18	13
Eritrea	..	..	..	..	0	0	0	0	0	22	..	..	..	4
Ethiopia	49	786	765	704	654	596	354	353	350	127	117	103	565	489
Gabon	955	676	626	596	268	199	143	131	125	207	308	766	850	363
Gambia, The	24	14	9	5	1	0	0	0	0	0	0	16	25	4
Ghana	131	319	332	345	419	525	795	850	838	758	261	132	291	518
Guinea	159	98	91	104	98	82	98	76	30	72	66	133	133	84
Guinea-Bissau	36	32	30	25	28	32	1	1	1	1	1	17	45	17
Kenya	1,286	2,273	1,769	1,696	1,266	1,153	953	805	834	521	425	898	1,235	1,238
Lesotho	11	35	28	21	17	28	34	44	55	56	53	9	19	37
Liberia	156	196	195	200	208	208	199	192	199	205	..	115	186	199
Madagascar	346	125	112	87	86	84	77	45	41	5	..	256	272	80
Malawi	192	69	64	50	49	28	24	21	20	229	18	128	72	59
Mali	36	12	6	4	2	2	0	0	0	3	3	30	37	4
Mauritania	131	94	88	19	9	8	25	24	22	20	0	118	125	37
Mauritius	165	292	306	275	448	751	783	1,421	1,327	1,216	1,045	94	148	739
Mozambique	..	491	227	162	1,743	1,815	1,872	1,930	1,770	2,153	2,332	70	768	1,379
Namibia	..	..	..	..	..	..	..	..	..	57	63	..	..	60
Niger	432	226	206	182	157	133	110	96	72	49	..	267	368	160
Nigeria	4,376	13,516	8,482	8,496	8,455	7,949	7,086	5,915	6,061	6,003	3,706	4,496	13,979	8,236
Rwanda	8	3	2	1	2	2	2	1	1	16	..	7	9	3
São Tomé and Príncipe	0	1	1	1	1	0	0	0	0	0	0	1	2	1
Senegal	461	202	162	156	153	127	53	66	33	29	24	301	303	113
Seychelles	0	23	33	35	43	36	30	25	31	32	42	2	27	32
Sierra Leone	111	98	36	26	26	8	8	6	7	6	6	91	84	30
Somalia	28	36	35	34	36	37	36	34	35	34	..	86	58	35
South Africa	..	..	..	..	13,035	14,772	14,334	13,878	13,268	13,962	17,919	..	..	14,453
Sudan	854	2,079	1,972	1,949	2,131	2,355	2,090	1,973	2,055	5,834	1,813	872	1,730	2,400
Swaziland	24	5	4	2	1	0	0	0	0	0	0	14	15	2
Tanzania	339	462	400	400	397	442	418	277	263	248	236	259	472	365
Togo	415	52	51	50	51	52	50	0	0	0	..	247	64	36
Uganda	244	301	260	115	93	84	77	76	74	62	38	149	301	138
Zambia	726	400	372	333	259	224	193	183	141	121	86	671	559	251
Zimbabwe	594	1,233	1,196	1,054	938	1,054	1,011	908	619	603	..	561	1,113	976
<b>NORTH AFRICA</b>	21,549	32,033	30,040	28,191	26,952	25,363	22,230	19,871	18,788	17,691	16,858	16,616	31,599	24,906
Algeria	13,545	19,701	19,221	18,588	17,514	15,647	13,124	10,465	9,054	7,425	5,872	9,882	17,164	14,312
Egypt, Arab Republic	2,070	4,847	3,671	2,859	2,457	1,998	1,420	1,130	957	656	363	2,131	6,539	2,504
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	4,505	6,010	5,646	5,373	5,661	5,901	5,600	5,745	6,155	5,750	6,984	3,534	6,064	5,921
Tunisia	1,429	1,475	1,592	1,372	1,319	1,817	2,086	2,531	2,621	3,860	3,640	1,069	1,832	2,169
<b>ALL AFRICA</b>	42,327	70,978	62,703	60,864	73,413	73,942	66,977	62,140	59,567	64,747	59,580	34,159	69,019	66,500

## 6-22. Total external debt

	Millions of U.S. dollars (current prices)										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	60,612	183,248	182,281	188,412	221,424	235,514	231,319	221,371	229,983	214,072	213,914	54,892	136,754	208,963
excluding South Africa	60,612	183,248	182,281	188,412	199,753	210,156	205,269	196,150	205,271	189,172	185,047	54,892	136,754	192,892
excl. S Africa & Nigeria	51,691	149,721	153,263	157,677	166,660	176,063	173,862	167,695	174,957	159,814	150,656	46,377	110,830	161,271
Angola	..	9,004	10,070	10,586	11,172	11,382	10,425	9,838	11,223	10,915	10,502	695	5,137	10,337
Benin	424	1,333	1,373	1,447	1,589	1,614	1,594	1,628	1,651	1,315	841	408	1,078	1,425
Botswana	147	620	612	660	689	703	614	562	516	649	738	182	481	629
Burkina Faso	330	967	1,040	1,117	1,129	1,267	1,294	1,297	1,405	1,452	1,533	269	708	1,212
Burundi	166	964	1,022	1,062	1,123	1,158	1,127	1,066	1,119	1,126	1,131	153	697	1,073
Cameroon	2,588	6,901	7,426	7,463	8,333	9,444	9,640	9,368	9,930	8,142	7,708	1,976	4,445	8,276
Cape Verde	..	135	142	148	176	214	202	207	244	285	293	62	120	198
Central African Republic	195	794	814	875	888	946	933	883	924	878	853	181	557	862
Chad	284	629	723	768	828	902	997	1,026	1,092	944	1,083	227	323	865
Comoros	44	180	188	185	192	204	206	206	203	190	225	48	175	197
Congo, Democratic Rep. of	4,773	10,840	10,977	11,282	12,336	13,256	12,840	12,341	13,187	11,999	11,929	4,319	7,993	11,933
Congo, Republic of	1,526	4,832	4,770	5,081	5,413	6,004	5,241	5,071	5,119	5,460	5,596	1,227	3,849	5,230
Côte d'Ivoire	7,462	18,174	18,546	19,071	17,395	18,898	19,524	15,609	14,852	14,816	14,024	5,644	12,570	17,105
Djibouti	32	226	235	264	263	282	296	274	288	280	..	33	163	261
Equatorial Guinea	76	254	255	264	288	292	282	283	306	201	195	71	185	260
Eritrea	..	..	..	..	29	37	44	76	151	273	312	..	..	132
Ethiopia	824	9,119	9,341	9,703	10,067	10,310	10,079	10,079	10,351	5,544	5,481	1,656	6,850	8,973
Gabon	1,514	4,223	3,850	3,861	4,171	4,360	4,310	4,278	4,425	3,204	3,272	1,231	2,393	3,994
Gambia, The	137	383	403	426	423	427	453	425	459	432	447	116	301	423
Ghana	1,402	4,380	4,508	4,887	5,469	5,936	6,439	6,346	6,883	6,202	5,945	1,313	2,974	5,534
Guinea	1,134	2,622	2,634	2,848	3,110	3,242	3,240	3,519	3,546	3,017	2,992	1,119	1,949	3,022
Guinea-Bissau	140	745	761	787	852	898	937	921	970	933	938	110	465	858
Kenya	3,387	7,453	6,898	7,111	7,202	7,412	6,931	6,603	6,943	6,558	6,343	2,646	5,254	6,956
Lesotho	72	448	495	541	620	677	670	660	692	686	721	69	249	600
Liberia	686	1,954	1,922	1,956	2,056	2,154	2,107	2,012	2,103	2,077	..	620	1,550	2,019
Madagascar	1,248	3,908	3,911	3,805	4,096	4,322	4,146	4,109	4,394	4,354	4,249	1,187	3,267	4,091
Malawi	830	1,665	1,709	1,826	2,025	2,243	2,315	2,228	2,444	2,589	2,509	659	1,263	2,101
Mali	727	2,596	2,898	2,902	2,694	2,957	3,006	3,142	3,201	3,018	3,084	699	1,879	2,906
Mauritania	840	2,188	2,088	2,141	2,223	2,349	2,412	2,456	2,589	2,035	1,792	805	1,844	2,216
Mauritius	467	1,043	1,051	1,008	1,382	1,757	1,818	2,472	2,482	2,419	2,342	359	768	1,705
Mozambique	..	4,718	5,130	5,212	7,272	7,458	7,566	7,638	8,315	6,322	6,185	513	3,803	6,406
Namibia	..	..	..	..	..	..	..	..	123	183	173	..	..	160
Niger	863	1,494	1,517	1,542	1,525	1,587	1,536	1,576	1,663	1,643	1,650	640	1,481	1,587
Nigeria	8,921	33,527	29,019	30,736	33,092	34,093	31,407	28,455	30,315	29,358	34,391	8,515	25,924	31,621
Rwanda	190	810	857	909	952	1,028	1,043	1,111	1,226	1,302	1,263	158	540	1,019
São Tomé and Príncipe	24	167	189	209	222	246	230	233	252	296	269	22	97	224
Senegal	1,473	3,570	3,666	3,764	3,658	3,841	3,663	3,661	3,847	3,725	3,595	1,269	3,396	3,702
Seychelles	84	173	164	157	171	159	148	149	187	169	186	127	140	166
Sierra Leone	469	1,206	1,245	1,396	1,492	1,178	1,179	1,144	1,256	1,183	1,176	442	942	1,237
Somalia	660	2,449	2,447	2,500	2,616	2,678	2,643	2,561	2,635	2,606	..	785	1,939	2,551
South Africa	..	..	..	..	21,671	25,358	26,050	25,221	24,711	24,901	28,867	..	..	25,254
Sudan	5,177	15,227	15,450	15,836	16,918	17,603	16,972	16,326	16,843	16,132	15,875	4,807	10,945	16,177
Swaziland	210	245	222	208	220	235	222	368	251	258	259	149	272	249
Tanzania	5,322	6,558	6,678	6,791	7,235	7,406	7,362	7,129	7,633	8,052	7,440	4,881	6,275	7,158
Togo	1,049	1,342	1,339	1,278	1,444	1,464	1,472	1,327	1,448	1,382	1,352	715	1,127	1,375
Uganda	689	2,777	2,928	3,029	3,372	3,572	3,675	3,913	4,016	3,494	3,602	611	1,733	3,360
Zambia	3,244	6,968	6,709	6,485	6,804	6,952	7,054	6,654	6,865	6,507	6,311	2,954	5,982	6,748
Zimbabwe	786	3,437	4,060	4,285	4,524	5,007	4,976	4,919	4,707	4,566	4,244	982	2,671	4,361
NORTH AFRICA	51,281	90,884	88,748	86,681	94,059	99,533	97,950	92,131	93,971	88,723	84,473	43,825	91,656	91,830
Algeria	19,365	28,203	27,078	26,020	29,973	32,781	33,421	30,890	30,665	28,004	25,002	14,323	23,682	29,083
Egypt, Arab Republic	19,131	32,564	31,066	30,509	32,314	33,266	31,300	29,850	31,965	29,771	28,988	18,165	42,351	31,322
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	9,259	21,866	22,061	21,459	22,158	22,665	21,851	20,162	20,491	19,060	19,872	8,335	19,338	21,464
Tunisia	3,527	8,251	8,543	8,694	9,614	10,820	11,379	11,230	10,850	11,887	10,610	3,002	6,284	9,961
ALL AFRICA	111,893	274,133	271,029	275,093	315,483	335,046	329,269	313,502	323,954	302,795	298,387	98,717	228,409	300,792

## 6-23. Structure of external debt

	Millions of U.S. dollars (current prices)													
	Bilateral				Multilateral				Private		Short-term		IMF	
	Concessional		Nonconcessional		Concessional		Nonconcessional							
	1980	1999	1980	1999	1980	1999	1980	1999	1980	1999	1980	1999	1980	1999
SUB-SAHARAN AFRICA	12,374	39,956	5,695	32,670	3,936	45,207	3,601	10,932	20,778	47,056	11,195	37,330	3,033	7,944
excluding South Africa	12,374	39,956	5,695	32,670	3,936	45,207	3,601	10,932	20,778	33,094	11,195	26,402	3,033	7,944
excluding South Africa & Nigeria	11,973	38,960	5,674	20,766	3,899	44,480	3,068	7,891	16,402	27,090	7,642	19,717	3,033	7,944
Angola	..	2,508	..	843	..	246	..	66	..	5,886	..	1,212	0	0
Benin	82	426	31	86	84	933	20	24	118	0	73	122	16	92
Botswana	28	92	23	7	32	177	53	146	8	18	4	40	0	0
Burkina Faso	89	146	30	5	133	1,103	9	37	20	4	35	103	15	121
Burundi	49	150	1	0	55	873	5	25	8	95	12	14	36	13
Cameroon	663	3,367	142	2,427	210	901	222	555	1,014	508	278	1,260	59	24
Cape Verde	..	33	..	8	..	200	..	13	..	0	..	0	0	0
Central African Republic	17	145	28	40	42	600	12	13	48	265	25	0	24	29
Chad	97	93	34	70	75	834	0	32	54	14	12	7	14	45
Comoros	21	25	0	0	21	146	0	9	0	0	1	13	0	2
Congo, Democratic Rep. of	667	1,655	1,620	3,798	194	1,552	127	678	1,462	504	329	3,366	373	412
Congo, Republic of	355	1,496	132	1,055	49	234	69	366	652	555	247	0	22	100
Côte d'Ivoire	369	2,739	355	1,368	69	1,679	454	1,469	5,091	6,558	1,059	535	65	880
Djibouti	14	110	5	0	1	142	1	1	5	0	6	14	0	13
Equatorial Guinea	30	53	13	44	2	89	1	9	7	0	7	55	16	9
Eritrea	..	126	..	10	..	111	..	7	..	22	..	5	..	0
Ethiopia	281	2,283	18	207	282	2,512	58	229	49	127	57	87	79	95
Gabon	103	793	173	1,844	10	28	30	497	955	207	228	161	15	84
Gambia, The	33	81	0	0	36	332	5	12	24	0	23	-3	16	23
Ghana	636	1,332	119	135	139	3,490	140	192	131	758	131	0	105	309
Guinea	615	1,155	116	194	63	1,459	67	221	159	72	80	178	35	54
Guinea-Bissau	58	284	5	151	29	382	5	14	36	1	5	82	1	17
Kenya	414	1,564	159	409	270	2,576	364	309	1,286	521	640	859	254	135
Lesotho	4	74	2	46	40	398	0	88	11	56	8	7	6	17
Liberia	179	384	50	76	33	198	98	200	156	205	81	706	89	309
Madagascar	319	1,185	71	1,000	148	1,733	34	69	346	5	244	324	87	63
Malawi	111	503	112	16	147	1,972	72	85	192	229	116	27	80	59
Mali	451	1,160	6	33	163	1,584	9	21	36	3	24	83	39	153
Mauritania	420	972	38	174	106	838	18	135	131	20	65	324	62	107
Mauritius	39	256	37	23	25	60	53	190	165	1,216	47	670	102	0
Mozambique	..	2,475	..	1,064	..	1,010	..	64	..	2,153	..	4	0	215
Namibia	..	..	0	62	..	..	0	127	..	57	..	0	..	0
Niger	42	238	70	219	112	936	30	32	432	49	159	80	16	68
Nigeria	401	996	21	11,905	38	727	533	3,041	4,376	6,003	3,553	6,685	0	0
Rwanda	51	150	1	2	91	1,008	0	0	8	16	26	0	14	20
São Tomé and Príncipe	9	69	4	2	11	161	0	1	0	0	0	48	0	0
Senegal	221	800	169	410	179	1,721	84	172	461	29	219	308	140	272
Seychelles	16	46	4	7	3	22	2	34	0	32	59	8	0	0
Sierra Leone	136	274	47	127	39	500	23	30	111	6	53	48	59	195
Somalia	400	804	9	293	147	712	13	17	28	34	47	593	18	154
South Africa	..	0	..	0	..	0	..	1	..	13,962	..	10,928	0	0
Sudan	1,361	2,848	1,298	2,646	368	1,806	266	205	854	5,834	598	6,069	431	1,554
Swaziland	69	61	34	0	17	70	45	74	24	0	15	53	6	0
Tanzania	2,388	2,575	88	529	305	3,199	261	78	339	248	1,770	1,025	171	312
Togo	155	251	210	223	90	770	26	19	415	0	120	154	33	83
Uganda	191	788	23	143	63	2,489	16	72	244	62	63	0	89	368
Zambia	778	1,393	314	742	19	2,138	374	192	726	121	586	329	447	1,171
Zimbabwe	15	997	83	228	0	558	3	1,065	594	603	90	746	0	369
NORTH AFRICA	11,435	30,417	7,177	17,529	2,053	4,021	2,013	14,097	21,549	17,691	7,266	4,961	868	1,982
Algeria	1,255	2,757	1,956	11,458	14	530	270	3,731	13,545	7,425	2,325	195	0	1,906
Egypt, Arab Republic	6,230	20,358	3,767	1,143	1,885	2,175	741	1,785	2,070	656	4,027	3,045	411	0
Libya	..	..	1,079	2,600	..	..	0	0	..	..	..	..	..	..
Morocco	2,638	5,147	158	1,729	79	898	644	5,352	4,505	5,750	778	183	457	0
Tunisia	1,311	2,155	218	600	75	418	357	3,228	1,429	3,860	136	1,538	0	76
ALL AFRICA	23,809	70,373	12,872	50,199	8,989	49,228	5,613	25,029	42,327	64,747	18,461	42,291	3,901	9,926

## 6-24. Structure of external debt service payments

	Millions of U.S. dollars (current prices)													
	Bilateral				Multilateral				Private		Short-term		IMF	
	Concessional		Nonconcessional		Concessional		Nonconcessional							
	1980	1999	1980	1999	1980	1999	1980	1999	1980	1999	1980	1999	1980	1999
SUB-SAHARAN AFRICA	422	1,327	452	1,032	59	888	425	2,003	3,809	7,321	1,029	151	487	636
excluding South Africa	422	1,327	452	1,032	59	888	425	2,003	3,809	7,321	1,029	151	487	636
excluding South Africa & Nigeria	400	1,327	437	1,032	58	880	354	1,318	3,145	2,705	650	151	487	636
Angola	..	6	..	5	..	1	..	2	..	649	0	0	0	0
Benin	1	10	1	16	1	25	1	5	4	0	11	0	0	0
Botswana	1	19	2	4	0	13	10	44	1	7	2	0	0	0
Burkina Faso	3	9	4	3	3	34	2	7	5	0	5	..	0	6
Burundi	1	0	0	0	0	17	1	3	4	3	2	0	1	6
Cameroon	25	81	18	86	4	22	24	151	163	130	28	..	19	19
Cape Verde	..	3	..	9	..	6	..	3	..	0	0	0	0	0
Central African Republic	0	2	0	0	0	8	0	2	1	0	2	36	7	6
Chad	1	2	0	4	2	16	0	3	0	1	0	0	3	5
Comoros	0	3	0	0	0	4	0	0	0	6	0	0	0	0
Congo, Democratic Rep. of	48	0	136	0	2	0	22	0	189	0	45	..	101	3
Congo, Republic of	22	0	13	0	1	0	11	0	25	404	31	0	8	13
Côte d'Ivoire	29	280	55	150	3	55	46	312	1,180	499	95	10	0	12
Djibouti	2	1	1	0	0	2	0	0	0	0	1	..	0	1
Equatorial Guinea	0	0	1	0	0	1	0	1	0	0	1	..	0	3
Eritrea	..	2	..	0	..	2	..	0	..	0	0	0	..	0
Ethiopia	11	32	1	5	2	48	10	43	9	18	9	..	2	10
Gabon	6	69	28	326	0	2	4	56	359	39	33	0	1	29
Gambia, The	0	6	0	0	0	8	0	3	0	0	3	0	1	5
Ghana	24	99	22	39	1	57	13	42	48	106	18	16	33	79
Guinea	55	32	7	9	0	40	21	33	14	16	9	0	2	7
Guinea-Bissau	0	2	0	0	0	6	0	0	4	0	1	0	0	1
Kenya	13	90	22	103	2	48	47	119	274	199	58	39	17	45
Lesotho	0	6	0	4	0	11	0	13	4	10	1	0	0	6
Liberia	3	0	0	0	0	0	7	0	27	0	11	..	5	3
Madagascar	21	39	2	48	1	36	3	17	42	2	29	0	3	14
Malawi	4	0	7	0	2	28	3	15	53	3	16	0	3	23
Mali	4	35	0	4	1	43	0	4	3	11	3	0	4	14
Mauritania	8	16	0	5	3	35	2	29	17	4	7	0	11	10
Mauritius	2	32	4	5	0	5	6	37	29	302	8	0	3	0
Mozambique	..	42	..	1	..	19	..	6	..	18	0	0	0	29
Namibia	..	..	0	3	..	..	0	3	..	..	..	..	..	..
Niger	3	2	5	2	16	14	2	1	98	24	19	..	0	6
Nigeria	22	0	15	0	1	8	70	685	663	408	379	..	0	0
Rwanda	0	2	0	1	1	17	0	0	3	0	3	0	0	9
São Tomé and Príncipe	0	1	1	0	0	3	0	0	0	0	0	0	0	0
Senegal	13	52	19	21	1	69	8	36	183	3	24	6	12	35
Seychelles	0	6	0	1	0	1	0	9	0	4	37	0	0	0
Sierra Leone	2	0	2	0	0	6	2	1	35	0	6	1	19	14
Somalia	3	0	0	0	1	0	5	0	0	0	0	..	4	1
South Africa	..	0	..	0	..	0	..	0	..	4,208	0	..	0	1
Sudan	37	0	30	0	5	0	18	12	12	0	70	..	92	45
Swaziland	2	7	6	0	0	4	4	18	5	0	2	2	0	0
Tanzania	32	49	2	13	2	65	24	14	36	15	26	..	39	30
Togo	2	4	17	1	1	17	2	4	16	0	14	..	0	10
Uganda	3	52	8	15	1	39	2	17	22	4	5	..	16	62
Zambia	16	167	21	100	0	45	51	43	238	24	0	..	84	6
Zimbabwe	3	66	0	49	0	8	3	211	43	202	15	41	0	71
NORTH AFRICA	551	1,690	428	2,179	11	262	261	2,647	5,216	4,414	669	96	253	491
Algeria	107	304	226	1,268	2	59	69	814	3,564	2,438	116	10	0	437
Egypt, Arab Republic	265	748	50	118	7	92	51	335	320	323	422	0	121	0
Libya	..	..	100	206	..	..	0	0	..	..	..	..	..	..
Morocco	130	402	24	477	1	68	94	908	992	1,232	105	9	100	0
Tunisia	70	237	28	110	1	44	47	590	340	421	26	77	33	54
ALL AFRICA	994	3,017	880	3,212	70	1,151	685	4,650	9,025	11,734	1,699	247	739	1,127

Note: In 1995, Zambia was able to clear its arrears to the IMF after completing a 3 year Rights Arrangement Program.

## 6-25. Terms of long-term external financing, 1999

	Concessional terms				Nonconcessional terms				Structure of financing (percentage of total)		
	Interest (percent)	Grace period (years)	Maturity (years)	Grant element (percent)	Interest (percent)	Grace period (years)	Maturity (years)	Grant element (percent)	Grants	Conces- sional loans	Noncon- cessional loans
SUB-SAHARAN AFRICA	0.9	9.1	37.1	75.0	3.6	2.0	8.4	16.1	71.6	23.0	5.5
excluding South Africa	0.9	9.1	37.1	75.0	3.6	2.0	8.4	16.1	71.6	23.0	5.5
excl. S. Africa & Nigeria	0.9	9.1	37.1	75.0	3.6	2.0	8.4	16.1	71.6	23.0	5.5
Angola	..	..	..	..	..	..	..	..	..	..	..
Benin	2.1	8.1	30.2	62.8	..	..	..	..	62.8	37.2	0.0
Botswana	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	1.0	8.8	32.7	72.3	..	..	..	..	72.3	27.7	0.0
Burundi	0.8	9.2	38.3	75.9	..	..	..	..	75.9	24.1	0.0
Cameroon	2.1	8.5	26.3	61.0	..	..	..	..	61.0	39.0	0.0
Cape Verde	0.8	10.3	39.8	80.6	..	..	..	..	80.6	19.4	0.0
Central African Republic	..	..	..	..	..	..	..	..	..	..	..
Chad	0.8	10.3	44.2	81.8	..	..	..	..	81.8	18.2	0.0
Comoros	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	..	..	..	..	..	..	..	..	..	..
Côte d'Ivoire	0.8	10.4	48.4	82.9	..	..	..	..	82.9	17.1	0.0
Djibouti	0.8	10.2	39.7	80.5	..	..	..	..	80.5	19.5	0.0
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	0.1	8.7	17.7	70.5	..	..	..	..	70.5	29.5	0.0
Gabon	..	..	..	..	..	..	..	..	..	..	..
Gambia, The	0.5	7.1	36.7	76.6	..	..	..	..	76.6	23.4	0.0
Ghana	0.9	9.5	37.0	77.0	6.9	4.6	13.9	16.6	58.4	15.9	25.6
Guinea	0.8	10.0	39.5	80.3	..	..	..	..	80.3	19.7	0.0
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..
Kenya	0.8	10.2	49.7	83.1	..	..	..	..	83.1	16.9	0.0
Lesotho	0.8	10.1	43.7	81.1	3.9	1.0	10.0	23.4	36.9	4.4	58.7
Liberia	..	..	..	..	..	..	..	..	..	..	..
Madagascar	0.8	9.9	40.4	79.6	..	..	..	..	79.6	20.4	0.0
Malawi	0.8	10.6	47.8	82.9	..	..	..	..	82.9	17.1	0.0
Mali	0.8	9.6	38.5	77.5	..	..	..	..	77.5	22.5	0.0
Mauritania	0.8	10.3	42.6	81.3	..	..	..	..	81.3	18.7	0.0
Mauritius	3.7	4.8	21.0	41.5	..	..	..	..	41.5	58.5	0.0
Mozambique	0.7	10.2	40.6	80.8	..	..	..	..	80.8	19.2	0.0
Namibia	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	..	..
Nigeria	..	..	..	..	..	..	..	..	..	..	..
Rwanda	0.8	10.2	43.1	81.4	..	..	..	..	81.4	18.6	0.0
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..
Senegal	0.9	9.9	41.9	79.7	..	..	..	..	79.7	20.3	0.0
Seychelles	0.0	3.1	9.6	44.3	..	..	..	..	44.3	55.7	0.0
Sierra Leone	..	..	..	..	0.0	0.3	1.3	8.3	8.3	0.0	91.7
Somalia	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	..	..	..
Sudan	..	..	..	..	..	..	..	..	..	..	..
Swaziland	..	..	..	..	..	..	..	..	..	..	..
Tanzania	1.0	..	40.1	77.6	..	..	..	..	77.6	22.4	0.0
Togo	0.8	..	47.6	82.7	..	..	..	..	82.7	17.3	0.0
Uganda	0.8	..	40.4	80.7	..	..	..	..	80.7	19.3	0.0
Zambia	0.8	..	39.6	80.4	..	..	..	..	80.4	19.6	0.0
Zimbabwe	0.6	..	21.8	64.1	..	..	..	..	64.1	35.9	0.0
NORTH AFRICA	2.2	..	24.4	54.9	5.9	2.8	9.6	15.4	47.1	42.8	10.1
Algeria	4.0	..	22.1	39.3	5.6	3.5	11.5	16.5	34.3	48.8	16.9
Egypt, Arab Republic	0.8	..	34.7	78.7	7.5	3.8	13.8	12.8	78.7	21.3	0.0
Libya	..	..	..	..	..	..	..	..	..	..	..
Morocco	3.0	..	19.2	45.7	6.1	2.9	15.8	20.1	44.1	51.7	4.2
Tunisia	1.2	..	21.7	56.0	7.4	5.8	18.6	16.1	49.7	36.1	14.2
ALL AFRICA	1.1	9.1	35.5	72.5	4.7	2.4	9.0	15.8	60.3	32.1	7.6

Note: No data indicates no commitment for the year 1999.

## 6-26. External debt and debt service ratios, 1999

	Debt-GDP ratio		Total external debt per capita (US dollars)	Percentage of debt disbursed	Debt-export ratio		Present value of debt-export ratio, 1999	Debt service- export ratio (Ex post)
	Concessional	Non- concessional			Concessional	Non- concessional		
SUB-SAHARAN AFRICA	26	38	332	88	89	133	186	19
excluding South Africa	45	51	314	89	142	168	254	22
excl S Africa & Nigeria	55	44	334	88	178	157	265	19
Angola	44	15	883	88	51	150	156	18
Benin	58	5	215	81	280	-9	178	14
Botswana	5	3	409	91	12	16	17	0
Burkina Faso	51	2	132	74	327	53	165	..
Burundi	143	4	169	88	1,604	161	1,061	89
Cameroon	46	32	554	91	189	172	358	41
Cape Verde	40	4	666	62	119	27	88	19
Central African Republic	71	5	248	92	635	113	480	27
Chad	59	6	126	77	356	6	252	15
Comoros	76	4	349	90	305	35	249	29
Congo, Democratic Rep. of	..	88	241	96	..	..	..	..
Congo, Republic of	73	60	1,910	95	104	224	..	24
Côte d'Ivoire	40	26	953	92	89	210	256	28
Djibouti	47	0	432	84	95	10	71	2
Equatorial Guinea	16	6	455	88	17	7	27	6
Eritrea	37	3	69	21	114	17	0	2
Ethiopia	74	7	88	91	508	79	374	16
Gabon	19	54	2,652	90	29	86	148	21
Gambia, The	96	3	345	85	183	8	106	6
Ghana	62	4	330	84	191	55	151	21
Guinea	76	12	416	85	342	53	316	18
Guinea-Bissau	297	74	787	91	1,215	488	1,113	16
Kenya	39	7	223	86	152	89	191	27
Lesotho	52	15	326	76	82	37	86	9
Liberia	..	..	682	99	..	..	..	..
Madagascar	78	29	289	89	314	154	316	13
Malawi	137	6	240	81	494	23	295	20
Mali	107	2	285	82	360	36	184	11
Mauritania	189	32	783	88	426	53	290	32
Mauritius	7	5	2,060	80	11	73	89	14
Mozambique	87	28	365	82	545	444	433	34
Namibia	..	5	108	..	0	10	0	2
Niger	58	12	157	81	341	137	317	34
Nigeria	5	43	237	94	13	210	217	31
Rwanda	60	0	157	80	978	121	588	41
São Tomé and Príncipe	490	6	2,043	82	1,396	399	1,152	49
Senegal	53	12	401	81	151	72	121	13
Seychelles	11	7	2,108	73	15	22	33	4
Sierra Leone	110	22	239	84	825	435	883	23
Somalia	..	..	278	89	..	..	..	..
South Africa	0	0	591	88	0	71	69	14
Sudan	46	28	556	94	547	1,350	2,545	7
Swaziland	10	6	253	67	12	11	19	3
Tanzania	68	7	245	83	456	180	368	15
Togo	72	17	303	85	198	70	218	0
Uganda	51	3	162	88	422	28	225	23
Zambia	114	30	659	92	399	336	457	37
Zimbabwe	28	24	369	75	62	120	162	26
NORTH AFRICA	18	28	681	85	61	97	103	21
Algeria	7	32	935	82	23	172	202	36
Egypt, Arab Republic	25	3	475	94	117	38	0	9
Libya	..	..	..	..	..	..	..	..
Morocco	17	20	675	83	47	101	134	24
Tunisia	12	18	1,257	73	26	96	121	16
ALL AFRICA	23	34	391	87	79	119	155	19

**Figure 6-1. Debt service ratio (ex post), 2000**

(percent of exports of goods and services)

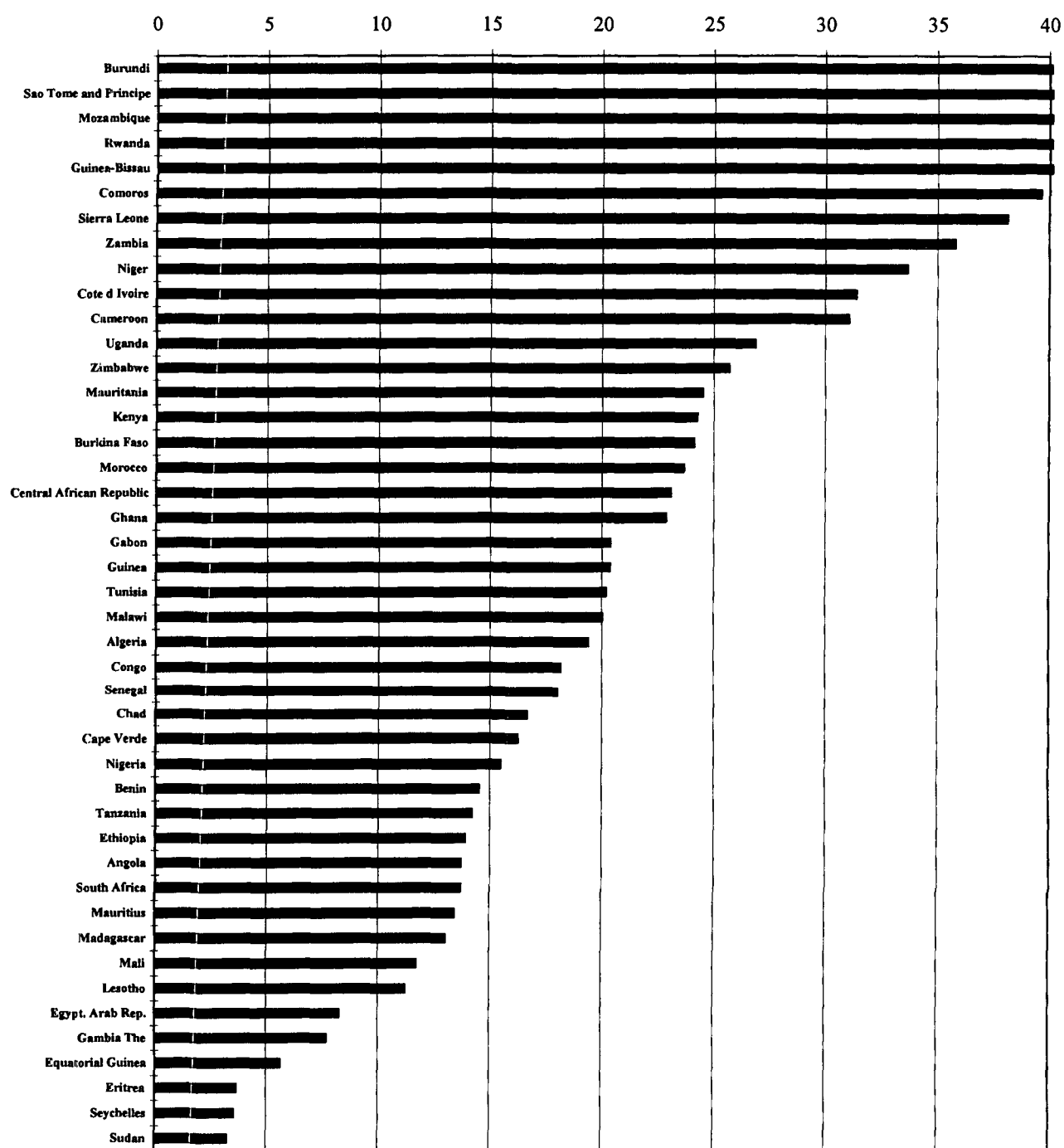
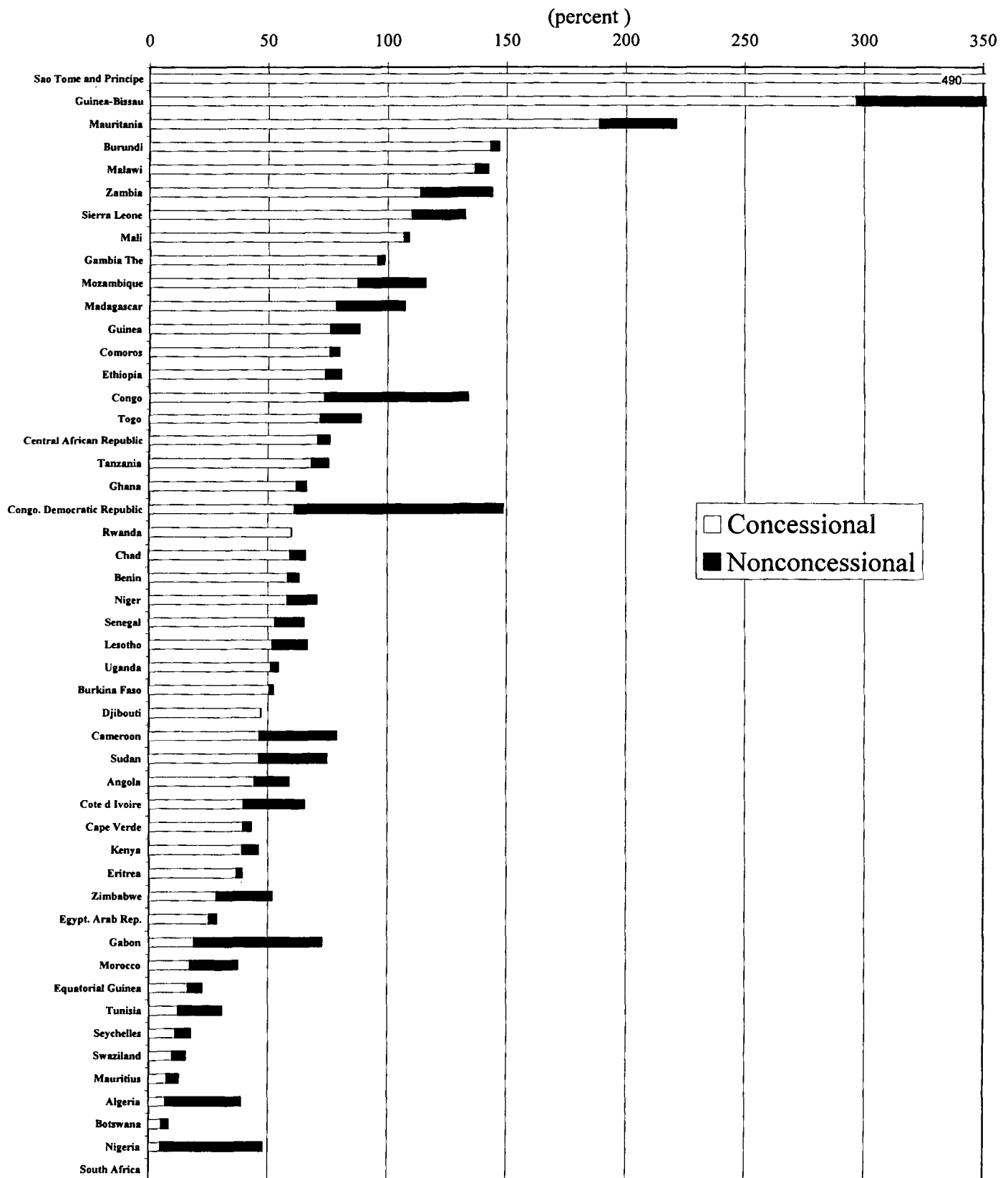


Figure 6-2. Debt to GDP ratio, 1999



\* Sorted by concessional debt.



## Technical notes

### Tables

**Tables 6-1, 6-2, and 6-3. Gross disbursements: official concessional, official nonconcessional, and private long-term loans.** Gross disbursements are from commitments of long-term external loans by official concessional, official nonconcessional, and private sources, respectively (World Bank, DRS).

**Table 6-4. Disbursements: long-term loans and IMF purchases.** This is the sum of tables 6-1 through 6-3, plus IMF purchases.

**Tables 6-5, 6-6, and 6-7. Amortization: official concessional, official nonconcessional, and private long-term loans.** Amortization is the actual repayment of principal made in foreign currencies, goods, or services on outstanding long-term official concessional, official nonconcessional, and private long-term loans as described above (World Bank, DRS).

**Table 6-8. Amortization: long-term loans and IMF repurchases.** This is the sum of Tables 6-5 to 6-7, plus repurchases of drawings from the IMF.

**Tables 6-9, 6-10, and 6-11. Interest payments: official concessional, official nonconcessional, and private long-term loans.** These are actual payments made in foreign currencies, goods, and services to various lenders described above on interest obligations, including IMF charges on drawings due on disbursed debt and on commitment charges due on undisbursed debt (where information is available), that

is, on long-term official concessional, official nonconcessional, and private loans (World Bank, DRS).

**Table 6-12. Interest payments: long-term loans and IMF charges.** This is the sum of Tables 6-9 through 6-11, plus IMF charges on drawings.

**Table 6-13. Total external debt service payments: long-term loans and IMF credit.** Total external debt service payments include the sum of amortization on long-term loans and IMF credit and interest payments on long-term loans and IMF credit (World Bank, DRS).

**Table 6-14. Interest payments: short-term loans.** These are estimated for the respective year based on the estimated year-end stock of short-term debt (which may include interest arrears on long-term debt) and the annual average six-month London interbank offered rate (LIBOR) on notes denominated in U.S. dollars as reported in the IFS (with no adjustment for spreads). Actual payments may be different because the LIBOR only approximates actual interest rates on short-term loans, and because not all interest due on short-term loans is actually paid (World Bank, DRS).

**Table 6-15. Net flows: long- and short-term loans, including IMF.** These flows represent all disbursements of long- and short-term loans net of all repayments of principal on long- and short-term loans and IMF credit (World Bank, DRS).

**Table 6-16. Net flows: long-term loans, including IMF.** Net flows of long-term loans are as defined above for Table 6-15, but excluding short-term loans (World Bank, DRS).

**Table 6-17. Net transfers: long- and short-term loans, including IMF.** Net transfers are net flows (Table 6-15) less interest payments (Tables 6-12 and 6-14).

**Table 6-18. Net transfers: long-term loans, including IMF.** Net transfers include long-term loans and IMF credit only (Table 6-16 less Table 6-12).

**Tables 6-19, 6-20, and 6-21. Long-term debt: official concessional, official nonconcessional, and private.** This series reflects the total debt outstanding and disbursed of official concessional, official nonconcessional, and private loans (World Bank, DRS). The time series reflects changes in the valuation of year-end debt stocks (because of US dollar exchange rate fluctuation) and debt cancellation, as well as net disbursements. Therefore changes in debt stocks from year to year cannot be used as a measure of net borrowing or vice versa.

**Table 6-22. Total external debt.** When Tables 6-19 to 6-21 are supplemented with IMF credit and estimates of total short-term debt (which includes interest in arrears on public and publicly guaranteed long-term loans), they sum up to total external debt (World Bank, DRS).

**Table 6-23. Structure of external debt.** This table summarizes debt structure for 1980 and 1999 (World Bank, DRS). The columns cover the type of creditor and concessionality. The private debt shown includes both the private guaranteed (by an entity of the debtor government) and the private nonguaranteed debt. For each year, all components shown add to the total in Table 6-22.

**Table 6-24. Structure of external debt service payments.** This summary table compares debt service payments for all types of creditors in 1980 and 1999 (World Bank, DRS). Debt service payments on short-term loans are excluded, to be consistent with Table 6-13. Debt service payments are actual repayments of principal (amortization) and actual payments of interest. The column headings have the same definitions as given above for Table 6-23.

**Table 6-25. Terms of long-term external financing, 1999.** This table presents the average interest rates, grace periods, maturities, and grant elements shown separately for official concessional and nonconcessional long-term loans (excluding private financing); short-term loans are excluded (World Bank, DRS). Grant elements are calculated using a standard 10 percent discount rate. The indicators are weighted averages (based on amount of commitments) across all loans in each category. For the column on structure of financing (that is, total flows), grants are based on sources for Chapter 12 (Aid Flows) and are not comparable with net official transfers shown in Chapter 5.

**Table 6-26. External debt and debt service ratios, 1999.** This table includes the ratio of debt outstanding and disbursed to GDP; per capita debt; the ratio of debt outstanding and disbursed to debt outstanding, including undisbursed; the ratio of debt outstanding and disbursed and the ratio of the present value of debt to exports of goods and all services, including receipts of workers' remittances; and the ratio of total debt service paid to exports of goods and all services, more commonly called the debt service ratio (World Bank, DRS). Ratios are shown separately for concessional debt and for all nonconcessional (including private) debt. Both the stock of external debt and debt service payments include short- and long-term loans and IMF credit, except for the ratio of debt outstanding to debt outstanding including undisbursed, which is calculated for public and publicly guaranteed debt only. The data for exports of goods and all services, plus receipts of workers' remittances, are taken from balance of payments data in Chapter 5. The present value of debt is the sum of all future payments discounted to the present (usually with a commercial discount rate similar to LIBOR). The debt service ratio is shown for the ex post category, depicting the amount paid after debt relief and/or arrears.

## Figures

The following indicators have been used to derive the figures in this chapter:

**Figure 6-1.** Debt service ratio (Table 6-26).

**Figure 6-2.** Debt to GDP ratio (Table 6-26).

### Methodology used for regional aggregations and period averages in chapter 6

Table	Aggregations <sup>a</sup>			Period averages <sup>b</sup>	
	(1)	(2)	(6)	(1)	
6-1	x			x	
6-2	x			x	
6-3	x			x	
6-4	x			x	
6-5	x			x	
6-6	x			x	
6-7	x			x	
6-8	x			x	
6-9	x			x	
6-10	x			x	
6-11	x			x	
6-12	x			x	
6-13	x			x	
6-14	x			x	
6-15	x			x	
6-16	x			x	
6-17	x			x	
6-18	x			x	
6-19	x			x	
6-20	x			x	
6-21	x			x	
6-22	x				
6-23	x				
6-24	x				
6-25			x		
6-26		x			

*Note:* Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).

## Government Finance

**T**he data in this chapter pertain to consolidated government (except when not available) instead of to central government operations, which were reported in previous volumes.

Definitions have been taken from the IMF's Government Finance Statistics (GFS). For this volume, data are taken from country desks. When not available from country desks, data are taken from the GFS and supplemented with data from IMF, World Bank, or staff reports, or from other national government sources. Data from various sources have been harmonized to produce a consistent and comparable time series.

The focus of this chapter is on the principal financial transactions of government—taxing, borrowing, spending, and lending—rather than on the production and consumption of goods and services, the use of labor, or other government activities. Spending covers both current and capital transactions.

The data cover major government finance indicators—fiscal deficit or surplus, expenditure and lending minus repayments, revenue, grants, and domestic and foreign financing—expressed as a percentage of GDP. The chapter also includes information on the major components of revenue and expenditure by economic category, shown as percentages of total revenue and as a percentage of expenditure and lending minus repayments, respectively.

Measures of fiscal deficit or surplus are among the single most important indicators of government fiscal performance. The measure is usually calculated as the difference between total revenue (including grants) and total expenditure (including lending minus repayments). As such, it measures government net financing requirements. *GFS* methodology recommends grouping grants receipt with revenue because they can be spent without incurring an obligation for future payments but lists them separately because grants can sometimes be treated as financing items. Financing includes all government borrowing from others (at home and abroad) minus amortization (government repayment of its borrowing from others and changes in cash balances). Other measures of fiscal balance include the fiscal deficit or surplus without capital grants, which measures the government's ability to operate without foreign capital transfers, and the fiscal deficit or surplus, excluding interest payments from expenditure, referred to as the primary deficit or surplus.

Revenue is divided between taxes—unrequited compulsory payments to government—and nontax revenue. It includes only non-repayable receipts other than grants. Tax revenue is also classified according to the base upon which the tax is levied (for example, income and profits).

Expenditure is classified by economic category (such as wages, purchases, and interest payments). Lending minus repayments—government lending less repayment of past government lending—is grouped with expenditure, except in certain cases (see Technical Notes).

The economic classification of expenditures (for example, on wages) is presented as a percentage of total expenditure and lending minus repayments, because lending minus repayments is itself a separate economic classification.

No attempt was made to reconcile GFS data in this chapter with the System of National Accounts (SNA). The fundamental difference between the two systems is that GFS focuses on government financial transactions, whereas the SNA considers government transactions as part of total demand and value added. (For

further discussion, see World Bank 1988b, box 2.1, p. 45.) Indicators calculated as ratios to GDP use GDP at purchaser values or market prices (see Technical Notes to Chapter 1). Because GDP at purchaser values includes import duties (and GDP at market prices includes indirect taxes), ratios for revenues tend to understate tax burdens, especially where such taxes are an important source of government revenue.

Fiscal year data are compared with the calendar year GDP data that correspond either to the second half of the fiscal year or to the calendar year in which most of the fiscal year falls. Fiscal years do not correspond to calendar years in Botswana, Cameroon, Egypt, Ethiopia, The Gambia, and Ghana (before 1982), Kenya, Lesotho, Liberia, Malawi, Mauritius, Niger, Nigeria, Senegal, Sierra Leone, Sudan, Swaziland, Tanzania, Uganda, and Zimbabwe (after 1985).

## 7-1. Government deficit/surplus (including grants)

	Percentage of GDP										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		-4.5	-7.1	-6.9	-5.0	-3.4	-3.1	-3.1	-4.7	-4.3	-3.4	-5.1	-4.7	-4.5
excluding South Africa		-5.2	-6.6	-4.8	-3.9	-1.8	-1.0	-1.8	-4.3	-4.0	-3.1		-5.2	-3.8
excl. S. Africa & Nigeria		-5.2	-6.6	-4.8	-5.2	-4.2	-3.1	-2.3	-3.3	-3.3	-4.2	-5.9	-5.2	-4.3
Angola	..	-21.9	-56.9	-21.7	-20.1	-37.5	-13.5	-22.7	-10.2	2.0	4.9	..	-11.1	-20.4
Benin	..	-6.9	-7.2	-2.9	-4.4	-4.6	-0.4	0.3	2.2	1.9	-1.9	..	-5.8	-2.9
Botswana	..	9.1	9.5	8.7	3.1	1.8	6.4	3.8	-4.0	-2.6	1.9	9.7	14.5	4.4
Burkina Faso	..	-3.6	-2.9	-4.4	-3.4	-3.9	-0.6	-3.3	-3.2	-4.1	-4.7	..	..	-3.5
Burundi	9.8	-0.2	-2.7	-3.7	-2.2	-2.2	-7.4	-4.1	-4.7	-6.4	-0.8	9.5	-4.4	-3.4
Cameroon	0.4	-8.2	-6.3	-6.3	-9.2	-3.2	-1.7	-0.9	-2.0	-3.2	1.2	0.5	-5.2	-4.3
Cape Verde	..	-4.3	-7.9	-9.3	-14.0	-19.1	-17.2	-6.0	-3.4	-1.8	-18.9	-7.2	-5.1	-9.5
Central African Republic	..	..	..	..	-10.0	-5.1	-3.4	-2.3	-0.8	-1.9	-2.0	..	..	-3.6
Chad	..	-4.1	-8.1	-8.6	-4.7	-4.4	-5.1	-3.9	-2.6	-5.9	-7.5	..	-5.3	-5.7
Comoros	..	-2.2	-2.5	2.6	-7.5	-7.9	-6.3	-2.4	-3.4	-0.8	-1.9	0.0	-4.8	-3.0
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	-13.1	-14.1	-12.6	-13.2	-6.9	-5.0	-9.1	-20.0	-5.9	1.1	7.1	-7.9	-9.6
Côte d'Ivoire	..	-12.9	-11.3	-11.9	-6.4	-3.9	-2.1	-1.4	-1.5	-2.2	-0.5	..	-8.2	-6.0
Djibouti	..	..	-11.7	-13.0	-8.4	-8.0	-3.9	-4.3	0.9	-2.2	-1.8	..	..	-5.8
Equatorial Guinea	..	..	..	..	-5.7	-6.3	-6.3	1.5	-5.7	0.1	9.1	..	..	-1.9
Eritrea	..	..	-3.2	-6.4	-12.7	-22.4	-22.1	-5.0	-40.5	-56.2	-48.2	..	..	-24.1
Ethiopia	..	-8.5	-7.0	-5.9	-7.7	-3.9	-5.6	-2.4	-4.4	-9.2	-11.4	-6.6	-5.7	-6.9
Gabon	..	-2.2	-5.2	-5.7	-1.6	3.2	2.7	2.5	-14.4	-1.4	0.6	-36.9	-7.1	-2.3
Gambia, The	..	1.1	1.3	1.3	-1.1	-6.3	-10.0	-6.0	-1.7	-3.3	-1.4	-14.7	3.8	-2.4
Ghana	..	3.3	-4.0	-3.1	-8.9	-6.4	-9.5	-8.0	-4.3	-1.7	-6.6	-2.3	-2.7	-4.8
Guinea	..	-4.5	-3.1	-3.7	-3.6	-2.7	-3.0	-2.9	-0.7	-3.1	-3.3	..	-5.5	-3.1
Guinea-Bissau	0.0	-17.5	-21.7	-13.0	-8.4	-1.4	-12.2	-18.2	-16.3	-9.7	-7.6	-8.3	-8.0	-12.0
Kenya	-8.9	-5.4	-2.5	-2.3	-0.1	0.0	-0.6	-0.6	0.3	0.0	-3.0	-6.8	-4.1	-1.9
Lesotho	..	-0.6	2.5	14.1	13.2	4.5	3.5	3.4	0.5	-6.2	-11.8	-4.6	-5.8	1.9
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	-5.2	-6.9	-7.6	-8.7	-5.3	-8.1	-2.4	-5.8	-2.8	-2.8	1.7	0.4	-4.8
Malawi	-11.6	-3.3	-11.1	-6.1	-17.4	-4.7	-3.7	-5.5	-6.6	-4.5	-5.0	-8.3	-5.9	-6.5
Mali	-14.9	-4.1	-3.9	-4.1	-4.6	-3.1	-0.9	-2.1	-3.6	-3.9	-5.0	-11.9	-5.4	-3.5
Mauritania	..	-3.8	-0.7	-7.4	-0.5	1.2	7.4	5.1	3.6	4.7	-3.5	..	-9.7	-0.5
Mauritius	-14.9	-3.0	-2.2	-2.7	-3.9	-5.9	-4.7	-4.1	-4.5	-4.0	-7.2	-10.4	-2.4	-4.0
Mozambique	-2.1	-3.1	-2.7	-3.6	-5.3	-3.2	-2.9	-2.6	-2.3	-1.5	-3.7	-8.6	-8.1	-3.4
Namibia	..	-1.5	-3.0	-4.5	-2.0	-3.2	-5.2	-3.4	-3.6	-3.3	-2.9	-17.2	-7.5	-3.2
Niger	-36.7	-3.6	-4.7	-3.8	-6.7	-2.7	-0.2	-2.7	-4.2	-5.1	-2.0	-36.5	-4.8	-3.9
Nigeria	..	..	..	..	1.9	9.9	9.1	1.0	-9.3	-7.5	2.2	..	..	1.0
Rwanda	..	-5.4	-8.1	-8.3	-11.5	-2.4	-5.7	-2.5	-2.9	-3.9	0.1	..	..	-5.0
São Tomé and Príncipe	..	-21.2	-41.8	-33.6	-43.0	-37.6	-32.3	-26.7	-24.9	-25.5	-25.4	..	-3.8	-30.3
Senegal	-4.6	2.0	-1.8	-3.1	-1.9	-0.2	2.2	0.5	-0.3	-1.4	-0.2	-6.8	-2.0	-0.7
Seychelles	..	-4.9	-5.8	-11.4	3.5	1.5	-9.3	-9.0	-23.9	-12.8	-15.7	..	..	-8.0
Sierra Leone	..	-10.1	-9.0	-7.4	-5.9	-8.9	-5.3	-6.5	-10.4	-9.0	-9.8	..	-13.4	-8.4
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	-18.0	-3.9	-7.4	-8.9	-6.2	-5.2	-5.4	-4.5	-5.1	-4.7	-3.7	-6.5	-4.3	-5.3
Sudan	..	-15.3	-20.1	-1.7	..	-3.2	-3.4	-0.5	-0.7	-0.9	-0.8	-12.2	-12.1	-5.6
Swaziland	..	5.5	-1.7	-4.7	-5.4	-1.8	-1.2	1.9	1.0	-1.5	-1.4	..	..	-0.9
Tanzania	..	2.5	3.2	-1.4	1.6	-3.4	-1.9	1.8	0.2	0.4	-1.2	-9.4	-3.7	0.4
Togo	..	-6.8	-4.2	-15.5	-11.5	-6.4	-4.5	0.6	-4.9	-2.2	-5.5	-2.1	-3.8	-5.8
Uganda	..	-3.7	-7.3	-3.2	-3.8	-2.6	-1.9	-1.4	-0.4	-1.2	-3.6	-2.1	-3.6	-3.0
Zambia	..	-7.0	-2.5	-5.6	-6.5	-4.3	-0.5	-0.2	-3.2	-2.4	-6.8	..	-10.8	-4.3
Zimbabwe	7.6	-5.2	-6.8	-6.1	-6.7	-10.1	-7.7	-7.6	-2.5	-9.6	-21.4	8.0	-7.9	-8.2
NORTH AFRICA		-5.1	-2.4	-4.4	-2.6	-2.1	-0.6	-0.5	-2.2	-2.8	0.2		-9.0	-2.4
Algeria	-8.4	1.7	-1.2	-8.6	-4.4	-1.4	2.9	2.4	-3.9	-0.5	9.9	-9.5	-9.2	0.1
Egypt, Arab Republic	..	-12.5	-3.1	-2.3	-0.9	-0.3	-0.7	-0.3	-0.5	-3.6	-3.3	..	-14.1	-3.6
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	-10.9	-1.0	-2.3	-2.9	-3.8	-5.4	-3.5	-3.4	-2.7	-4.7	-6.2	-0.8	-5.7	-3.3
Tunisia	0.9	-5.2	-3.0	-2.8	-2.1	-4.2	-4.9	-3.9	-2.5	-2.2	-2.9	-1.7	-1.8	-3.5
ALL AFRICA		-4.7	-5.3	-6.0	-4.2	-3.0	-2.2	-2.2	-3.8	-3.8	-2.1	-6.0	-6.0	-3.8

Note: 2000 data are preliminary. Nigeria: from 1992 accounts are for consolidated budget; since 1994, ratios are distorted as off. exch. rate used by the Gov. for oil exports oil value added is significantly over-valued.

## 7-2. Government deficit/surplus (excluding grants)

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	..	-5.8	-8.6	-8.3	-6.4	-4.5	-4.1	-4.1	-5.8	-5.5	-4.6	-5.7	-5.6	-5.7
excluding South Africa	..	-7.5	-9.4	-7.7	-6.5	-3.9	-2.9	-3.7	-6.4	-6.2	-5.3	..	-7.0	-6.1
excl. S Africa & Nigeria	..	-7.5	-9.4	-7.7	-8.4	-6.7	-5.4	-4.6	-5.8	-6.0	-6.8	-7.5	-7.0	-6.9
Angola	..	-21.9	-56.9	-21.7	-20.1	-37.5	-13.5	-22.7	-13.9	-16.6	0.2	..	-11.1	-22.9
Benin	..	-10.3	-11.4	-6.8	-9.0	-8.6	-4.3	-4.4	-1.1	-1.6	-3.6	..	-15.5	-6.9
Botswana	..	8.1	8.5	7.1	2.2	1.5	6.0	3.7	-4.1	-2.6	1.9	7.3	12.6	3.7
Burkina Faso	..	-8.2	-9.1	-9.6	-11.2	-11.1	-9.2	-10.6	-10.3	-13.4	-13.9	..	..	-10.4
Burundi	6.1	-8.8	-11.3	-12.7	-4.7	-5.8	-9.7	-7.1	-5.6	-9.2	-4.1	5.4	-6.0	-8.2
Cameroon	0.4	-8.2	-6.3	-6.3	-9.4	-3.3	-1.7	-1.0	-2.3	-3.4	1.2	0.5	-5.2	-4.4
Cape Verde	..	-14.2	-25.5	-24.6	-29.2	-27.8	-22.2	-16.1	-19.5	-6.7	-24.6	-45.0	-24.5	-20.1
Central African Republic	..	..	..	..	-15.0	-11.4	-5.0	-6.3	-8.6	-8.7	-9.2	..	..	-9.2
Chad	..	-9.0	-13.0	-13.2	-14.2	-11.9	-11.2	-10.3	-7.7	-10.5	-12.3	..	-16.0	-11.7
Comoros	..	-18.5	-17.6	-11.9	-23.8	-19.7	-15.2	-12.1	-10.7	-7.3	-6.1	-19.1	-24.0	-14.4
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	-13.3	-14.1	-12.6	-14.3	-7.8	-5.3	-9.2	-20.3	-6.3	0.8	6.2	-8.0	-10.0
Côte d'Ivoire	..	-13.4	-11.8	-12.4	-7.1	-4.6	-2.9	-2.8	-3.0	-3.3	-1.6	..	-8.2	-6.8
Djibouti	..	..	-24.1	-21.8	-13.4	-10.0	-5.7	-8.1	-7.9	-9.6	-10.4	..	..	-12.3
Equatorial Guinea	..	..	..	..	-9.9	-8.9	-7.2	0.8	-6.4	-0.2	8.9	..	..	-3.3
Eritrea	..	..	-12.3	-26.5	-31.2	-35.1	-33.3	-11.1	-50.8	-65.1	-67.6	..	..	-37.0
Ethiopia	..	-10.9	-9.6	-7.6	-11.1	-7.3	-8.5	-6.0	-7.2	-12.9	-14.8	-8.7	-9.4	-9.8
Gabon	..	-2.4	-5.3	-6.0	-2.0	3.2	2.7	2.5	-14.4	-1.4	0.6	-37.3	-7.6	-2.4
Gambia, The	..	-4.3	-3.3	-2.4	-4.2	-8.7	-12.2	-7.3	-3.7	-4.9	-3.6	-14.7	-10.5	-5.5
Ghana	..	-1.4	-9.4	-9.8	-12.4	-10.0	-12.1	-10.3	-8.1	-4.3	-10.0	-3.1	-5.1	-8.5
Guinea	..	-8.2	-7.1	-7.3	-7.1	-6.7	-6.2	-5.9	-3.6	-5.4	-5.7	..	-8.5	-6.3
Guinea-Bissau	0.0	-33.1	-37.4	-29.9	-23.1	-17.7	-21.2	-30.9	-19.5	-14.0	-21.7	-10.1	-38.4	-24.8
Kenya	-11.4	-7.4	-5.1	-5.4	-2.9	-2.1	-1.9	-2.0	-1.1	-1.3	-5.8	-8.6	-6.1	-4.0
Lesotho	..	-9.0	-3.6	8.8	8.5	0.1	-0.8	-0.8	-2.8	-8.4	-13.8	-7.6	-11.3	-3.2
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	-7.3	-10.4	-11.0	-11.7	-8.2	-12.3	-7.7	-9.3	-6.4	-6.4	1.0	-1.0	-8.4
Malawi	-15.9	-6.3	-13.9	-8.9	-29.5	-12.7	-8.3	-9.0	-12.8	-11.0	-14.4	-11.1	-9.8	-12.1
Mali	-35.4	-12.3	-11.0	-9.6	-14.6	-10.7	-8.1	-7.9	-9.5	-9.2	-9.4	-38.2	-10.5	-10.1
Mauritania	..	-6.1	-2.5	-9.6	-3.1	-0.8	5.2	4.3	2.2	2.1	-5.1	..	-14.8	-2.5
Mauritius	-15.0	-3.0	-2.3	-2.9	-4.3	-6.2	-4.8	-4.3	-4.6	-4.2	-7.3	-10.8	-3.2	-4.2
Mozambique	-3.9	-14.2	-16.5	-15.5	-19.2	-13.0	-9.9	-11.9	-10.5	-13.2	-15.4	-10.4	-13.4	-14.1
Namibia	..	-2.5	-3.8	-5.1	-2.4	-3.5	-5.6	-3.7	-3.8	-3.3	-3.0	-17.2	-7.5	-3.7
Niger	-36.7	-8.4	-8.6	-9.4	-12.5	-7.4	-5.1	-7.3	-8.6	-9.0	-6.7	-36.8	-9.4	-8.7
Nigeria	..	..	..	..	1.9	9.9	9.1	1.0	-9.3	-7.5	2.2	..	..	1.0
Rwanda	..	-12.8	-14.2	-14.7	-12.4	-13.8	-13.0	-9.2	-8.1	-9.8	-9.1	..	..	-11.5
São Tomé and Príncipe	..	-46.5	-50.8	-50.3	-60.5	-60.9	-55.8	-54.5	-34.6	-50.1	-45.6	..	-19.1	-50.8
Senegal	-5.3	0.3	-3.1	-4.2	-6.1	-3.5	-4.4	-2.0	-3.3	-3.5	-1.9	-7.7	-3.4	-3.3
Seychelles	..	-6.4	-7.1	-13.0	2.7	1.0	-9.8	-9.6	-24.3	-14.0	-16.8	..	..	-9.0
Sierra Leone	..	-10.1	-9.0	-7.4	-5.9	-8.9	-7.1	-7.0	-12.8	-14.2	-18.2	..	-14.0	-10.1
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	-2.5	-4.3	-7.8	-9.0	-6.2	-5.2	-5.4	-4.5	-5.1	-4.7	-3.7	-4.6	-4.4	-5.4
Sudan	..	-15.3	-20.1	-1.7	..	-3.2	-3.4	-0.5	-0.7	-0.9	-0.8	-12.2	-12.1	-5.6
Swaziland	..	4.7	-3.1	-5.7	-6.1	-2.0	-1.5	1.6	0.5	-1.9	-2.6	..	..	-1.6
Tanzania	..	0.4	0.8	-4.8	-1.7	-5.2	-3.9	-1.4	-2.6	-3.4	-5.5	-12.2	-6.7	-2.5
Togo	..	-8.3	-6.0	-15.8	-12.9	-7.7	-5.1	-0.8	-6.2	-3.9	-6.0	-5.6	-6.9	-7.2
Uganda	..	-7.6	-14.4	-11.3	-10.3	-6.9	-5.9	-5.8	-5.6	-5.9	-9.1	-2.7	-4.7	-8.1
Zambia	..	-16.0	-12.6	-13.6	-11.8	-9.5	-6.6	-5.3	-9.8	-10.4	-13.2	..	-12.0	-11.0
Zimbabwe	6.9	-6.3	-8.4	-8.1	-8.6	-11.9	-9.0	-8.6	-4.2	-10.6	-22.5	7.0	-9.0	-9.6
NORTH AFRICA	..	-6.6	-3.3	-4.9	-3.2	-2.5	-0.9	-0.8	-2.4	-3.0	0.0	..	-9.8	-3.1
Algeria	-8.4	1.7	-1.2	-8.6	-4.4	-1.4	2.9	2.4	-3.9	-0.6	9.9	-9.5	-9.2	0.0
Egypt, Arab Republic	..	-15.2	-5.5	-3.5	-2.1	-1.2	-1.3	-0.9	-1.0	-4.2	-3.6	..	-16.0	-4.9
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	-11.3	-3.1	-2.3	-3.3	-4.0	-5.4	-3.5	-3.4	-2.7	-4.7	-6.2	-2.6	-6.2	-3.8
Tunisia	0.9	-5.2	-3.0	-2.8	-2.5	-4.5	-5.1	-4.2	-2.8	-2.6	-3.3	-1.7	-1.8	-3.7
ALL AFRICA	..	-6.1	-6.6	-7.1	-5.2	-3.8	-3.0	-2.9	-4.6	-4.7	-3.0	-6.4	-6.8	-4.8

Note: 2000 data are preliminary. Nigeria: from 1992 accounts are for consolidated budget; since 1994, ratios are distorted as off. exch. rate used by the Gov. for oil exports oil value added is significantly over-valued.

### 7-3. Government primary deficit/surplus (-/+)

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>									-9.8	-9.4	-8.7			-9.2
excluding South Africa		-9.3	-10.9	-11.0	-13.7	-6.5	-5.1	-5.3	-7.8	-8.2	-7.7			-8.6
excl S Africa & Nigeria		-9.3	-10.9	-11.0	-16.0	-9.3	-7.9	-6.2	-6.9	-6.7	-8.2		-9.1	-9.3
Angola	..	-15.9	-48.7	-12.2	219.0	-26.6	-1.2	-19.4	-5.2	8.4	10.8	..	-8.6	7.9
Benin	..	-4.3	-3.6	-0.2	-1.2	-1.8	2.1	2.1	3.2	2.9	-1.0	..	-2.7	-0.7
Botswana	..	..	..	..	..	..	..	3.7	-4.5	-2.6	..	..	..	-1.1
Burkina Faso	..	-2.2	-1.5	-3.0	-1.9	-2.4	0.3	-2.4	-2.4	-3.2	-3.6	..	..	-2.3
Burundi	10.1	1.4	-0.8	-2.2	-0.7	-0.4	-5.6	-2.1	-2.3	-3.2	2.2	10.1	-1.7	-1.3
Cameroon	0.7	-4.1	-1.2	-1.5	-2.2	3.2	5.0	5.1	3.7	2.0	5.6	1.6	-3.9	0.9
Cape Verde	..	-0.9	-4.5	-2.9	-13.0	-15.9	-13.6	-2.1	0.2	-0.5	-16.3	-7.2	-4.2	-6.4
Central African Republic	..	..	..	..	-7.6	-2.8	-1.5	-0.9	0.5	-0.5	-0.1	..	..	-1.8
Chad	..	-3.5	-7.4	-7.4	-3.5	-3.4	-4.0	-2.9	-1.8	-5.0	-6.5	..	-5.1	-4.8
Comoros	..	-1.0	-1.6	3.6	-6.3	-6.9	-5.4	-1.4	-2.4	0.2	-1.0	-22.0	-7.3	-1.9
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	-4.4	-6.2	-5.2	-1.1	5.0	7.0	3.0	-5.4	5.7	8.1	7.1	-3.2	0.9
Côte d'Ivoire	..	-2.0	-0.9	-3.2	1.5	3.0	3.7	3.5	2.7	2.2	3.9	..	-0.1	1.1
Djibouti	..	..	-11.1	-12.5	-8.1	-7.4	-3.2	-3.8	1.3	-1.8	-1.0	..	..	-5.3
Equatorial Guinea	..	..	..	..	1.4	-0.4	-2.4	2.9	-4.1	1.4	9.3	..	..	1.2
Eritrea	..	..	-3.2	-6.4	-12.6	-22.0	-21.2	-3.9	-39.2	-54.2	-45.3	..	..	-23.1
Ethiopia	..	-7.2	-5.5	-3.9	-4.3	-1.4	-3.2	-0.2	-2.5	-7.3	-9.3	-5.7	-4.2	-4.8
Gabon	..	3.9	1.1	1.3	5.1	11.3	8.6	8.3	-7.1	5.8	6.1	-34.5	-2.4	4.2
Gambia, The	..	4.7	4.7	5.1	2.6	-2.5	-5.6	-0.8	3.6	1.7	3.2	..	8.0	1.9
Ghana	..	5.1	-1.8	0.4	-4.4	-2.1	-4.4	-1.8	0.8	3.9	0.8	-1.1	-1.2	-0.5
Guinea	..	-2.2	-1.5	-2.4	-2.0	-1.3	-1.7	-1.2	0.7	-1.5	-1.6	..	-2.8	-1.5
Guinea-Bissau	0.0	-12.2	-17.0	-7.2	-3.0	5.2	-5.6	-12.7	-9.5	-3.3	-1.8	-3.2	-4.1	-6.3
Kenya	-3.7	3.4	5.1	8.8	8.3	7.3	6.2	4.8	4.8	4.9	2.9	-2.2	1.3	5.3
Lesotho	..	..	..	5.9	7.5	6.2	5.0	5.0	2.6	-3.6	-8.5	..	..	2.5
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	-3.1	-3.5	-3.5	-3.3	-0.2	-3.4	0.6	-3.1	-0.7	-0.5	3.2	2.1	-1.5
Malawi	-8.3	-0.5	-7.9	-3.0	-12.4	1.7	1.6	-2.1	-2.7	-1.1	-0.6	-5.2	0.4	-2.5
Mali	-10.5	-2.3	-2.2	-2.5	-2.1	-1.7	0.2	-1.1	-2.8	-3.0	-4.0	-7.7	-3.7	-2.0
Mauritania	..	-1.2	2.3	-3.3	2.4	4.4	10.6	8.0	7.1	8.3	-0.4	..	-6.5	2.6
Mauritius	-9.6	1.1	0.9	0.3	-0.6	-2.5	-1.0	0.0	-0.8	-0.4	-2.8	-3.8	2.6	-0.3
Mozambique	-2.1	-1.8	-0.4	-1.1	-4.2	-1.6	-1.4	-1.3	-1.3	-0.9	-3.5	-8.5	-7.1	-2.0
Namibia	..	-1.2	-2.7	-3.9	-1.1	-2.1	-3.7	-1.5	-1.1	-0.9	-0.7	-14.6	-4.8	-1.9
Niger	..	-1.7	-3.1	-2.1	-4.4	-0.4	1.4	-1.2	-2.6	-3.6	-0.3	-2.8	-2.1	-2.1
Nigeria	..	..	..	..	7.5	13.6	11.4	3.5	-6.3	0.8	9.7	..	..	5.7
Rwanda	..	-3.6	-6.2	-6.1	-7.0	0.0	-4.1	-1.2	-2.0	-3.0	1.0	..	..	-3.3
São Tomé and Príncipe	..	-10.2	-30.8	-22.2	-32.0	-25.5	-22.3	-15.4	-12.5	-14.2	-18.7	..	2.5	-19.7
Senegal	-2.5	4.5	0.2	-0.8	1.6	2.7	4.6	2.8	1.0	0.0	1.2	-4.3	1.2	1.6
Seychelles	..	3.0	2.0	-3.5	11.9	11.2	-0.1	0.3	-13.7	-5.6	-9.1	..	..	0.4
Sierra Leone	..	-3.8	-3.2	-3.4	-3.3	-7.0	-3.1	-4.5	-5.6	-3.5	-3.2	..	-8.7	-4.1
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	1.7	1.4	1.5	..	..	1.6
Sudan	..	..	..	..	..	..	..	..	0.1	0.0	0.5	..	..	0.2
Swaziland	..	6.3	-0.8	-4.0	-4.7	-1.1	-0.5	2.6	1.7	-0.9	-0.8	..	..	-0.2
Tanzania	..	2.2	2.6	-2.5	0.5	-0.4	1.1	4.2	2.2	1.9	0.3	-7.0	-1.2	1.2
Togo	..	-3.3	-1.3	-11.2	-6.0	-2.8	-1.8	3.1	-2.6	0.2	-3.2	4.0	1.0	-2.6
Uganda	..	-2.4	-4.0	-1.4	-2.3	-1.6	-0.9	-0.4	0.5	-0.3	-2.5	-0.1	-2.7	-1.7
Zambia	..	1.5	6.1	6.7	5.2	3.8	4.2	3.9	0.1	0.5	-3.4	..	-1.3	2.6
Zimbabwe	-2.2	-0.7	-1.1	0.1	0.0	-0.7	0.7	-0.4	7.4	0.7	-4.2	-3.2	-3.2	0.0
<b>NORTH AFRICA</b>		-9.5	-7.2	-10.0	-8.7	-7.5	-6.0	-5.5	-6.8		-4.5		-10.8	-7.7
Algeria	..	3.5	1.0	-6.3	-1.6	1.7	6.4	6.3	0.1	..	14.0	..	0.0	3.0
Egypt, Arab Republic	..	-6.1	3.7	6.1	8.6	6.9	6.2	5.7	4.8	1.8	2.0	-22.6	-14.3	2.9
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	-8.5	4.4	3.3	3.0	1.9	0.6	1.9	2.1	2.4	0.8	-1.0	2.3	0.4	2.3
Tunisia	2.5	-2.2	0.2	0.7	1.6	-0.2	-0.6	-0.4	0.6	1.1	0.4	0.1	1.0	0.0
<b>ALL AFRICA</b>									-8.8	-9.3	-7.0			-8.3

Note: 2000 data are preliminary. Nigeria: from 1992 accounts are for consolidated budget; since 1994, ratios are distorted as off. exch. rate used by the Gov. for oil exports oil value added is significantly over-valued.



## 7-4. Government expenditure and lending minus repayments

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		27.9	29.9	31.4	29.6	28.0	27.5	27.9	29.5	31.5	30.4	26.7	28.5	29.3
excluding South Africa		26.5	28.6	26.9	25.5	23.6	22.4	23.6	25.5	27.9	29.8		27.5	26.1
excl. S Africa & Nigeria		26.5	28.6	26.9	27.4	25.8	24.8	24.5	25.4	25.8	26.9	25.1	27.5	26.3
Angola		40.2	92.5	60.7	62.1	67.6	58.8	59.5	40.7	60.6	55.5		43.4	59.2
Benin	..	19.0	20.8	17.8	19.8	22.1	19.5	19.6	16.8	18.0	20.9	..	20.0	19.5
Botswana	..	41.2	42.0	42.5	36.6	36.6	36.0	41.2	42.9	44.6	43.4	33.5	33.4	40.6
Burkina Faso	..	21.5	20.9	21.6	22.8	22.7	21.8	24.2	25.0	29.0	28.0	..	..	23.4
Burundi	11.9	25.8	28.5	30.1	24.7	25.9	27.4	22.2	23.6	28.7	25.0	12.6	23.9	26.2
Cameroon	16.0	23.4	22.1	20.0	19.3	16.2	16.0	16.1	17.9	18.9	17.5	10.6	23.9	19.0
Cape Verde	..	30.3	44.2	48.0	52.6	51.7	42.9	40.4	41.9	33.0	45.0	67.4	42.2	41.6
Central African Republic	..	..	..	..	22.4	20.6	11.0	14.0	17.7	17.9	18.8	..	..	17.5
Chad	..	15.1	19.3	20.2	19.1	18.1	18.5	18.1	15.3	18.6	20.3	..	21.8	18.6
Comoros	..	32.4	33.4	26.4	38.3	34.0	28.5	27.2	22.0	18.9	16.3	36.8	36.9	28.2
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	38.6	36.6	36.7	36.7	27.7	32.8	37.7	42.8	32.8	25.5	28.4	33.9	34.8
Côte d'Ivoire	..	32.9	31.9	30.0	27.0	26.7	25.1	24.1	23.5	21.9	20.2	..	35.9	27.0
Djibouti	..	..	51.0	50.1	43.0	38.7	34.7	35.4	33.3	33.1	32.7	..	..	39.1
Equatorial Guinea	..	54.5	47.6	55.9	27.1	24.6	24.9	16.6	30.0	16.0	8.6	..	38.0	32.9
Eritrea	..	..	36.7	61.8	59.3	69.2	65.9	54.7	85.6	102.3	101.7	..	..	70.8
Ethiopia	..	24.6	20.2	19.6	25.0	24.7	26.9	24.2	25.3	30.6	33.0	26.1	29.5	25.8
Gabon	..	26.7	28.3	28.6	25.5	26.3	23.0	28.8	46.2	27.0	21.5	36.9	37.6	27.8
Gambia, The	..	25.7	26.4	25.4	25.1	27.2	31.1	26.4	22.5	22.7	22.1	35.9	31.8	25.6
Ghana	18.7	19.1	24.6	29.0	31.2	30.4	29.7	29.0	28.6	26.2	27.7	13.1	18.3	26.7
Guinea	..	22.7	19.3	18.5	17.3	17.7	16.5	17.4	14.8	16.3	17.0	..	22.6	17.7
Guinea-Bissau	0.0	45.4	48.1	40.3	35.5	30.4	33.7	46.3	25.0	31.3	41.3	10.8	52.0	38.2
Kenya	34.3	31.8	30.0	35.3	31.1	30.7	29.3	27.2	26.2	25.4	29.2	27.2	28.5	29.9
Lesotho	..	49.9	44.5	31.8	35.6	44.2	44.5	45.0	48.1	48.0	52.2	32.1	45.0	45.0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	16.8	21.5	21.9	20.4	16.9	21.7	17.4	19.9	17.8	18.1	13.4	14.6	18.8
Malawi	35.7	24.8	34.6	26.0	49.0	31.0	23.3	24.2	29.5	29.1	31.9	29.2	32.3	30.0
Mali	108.2	28.4	24.4	23.4	27.2	23.5	23.5	23.9	25.0	26.4	26.9	106.8	25.6	25.4
Mauritania	..	28.3	24.8	36.8	27.7	24.8	24.0	22.7	25.0	25.8	30.6	..	39.5	28.2
Mauritius	38.7	26.8	25.0	25.6	24.7	24.5	26.1	25.5	26.3	26.1	26.8	34.3	28.0	25.8
Mozambique	17.4	26.7	30.3	29.5	30.9	24.4	20.5	23.5	21.8	25.1	28.0	26.5	24.5	26.3
Namibia	..	34.6	35.5	37.2	32.4	34.4	35.3	35.5	35.4	35.8	34.6	39.1	35.2	34.9
Niger	36.7	16.9	16.8	16.7	18.6	14.7	12.9	15.7	17.8	17.8	15.8	38.1	20.1	16.9
Nigeria	..	..	..	..	16.6	12.7	10.6	19.0	25.5	38.2	43.9	..	..	23.8
Rwanda	..	23.2	24.3	23.9	16.0	20.6	22.1	19.5	18.6	19.6	18.8	..	..	20.6
São Tomé and Príncipe	..	62.7	71.1	68.3	73.8	77.5	69.3	70.1	59.6	69.5	63.0	..	43.6	68.1
Senegal	27.4	19.1	21.5	20.8	21.0	19.9	20.9	18.9	20.1	20.8	20.0	26.8	20.6	20.4
Seychelles	..	50.6	51.6	64.9	51.0	46.7	52.4	52.9	69.6	61.0	57.3	..	..	55.2
Sierra Leone	..	20.9	21.4	21.3	18.7	17.5	17.6	12.0	20.2	20.9	30.2	..	20.5	20.0
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	24.1	29.2	31.1	35.5	34.0	33.0	33.3	32.7	34.0	35.6	31.2	26.4	29.3	32.6
Sudan	..	22.5	29.0	10.0	..	12.0	9.5	7.2	8.2	9.0	11.8	23.1	20.8	13.5
Swaziland	..	27.3	33.7	33.8	34.1	31.0	31.1	28.7	29.6	31.4	30.5	..	..	31.1
Tanzania	..	14.0	14.2	17.7	15.6	16.2	15.8	13.6	13.4	14.4	16.2	30.9	20.5	15.1
Togo	40.5	25.7	22.2	26.7	25.1	22.6	20.0	18.2	22.3	18.8	19.2	34.9	32.4	22.7
Uganda	..	15.0	21.2	18.6	18.6	16.7	16.2	16.8	15.8	16.8	19.9	13.7	11.0	17.1
Zambia	38.1	34.7	31.0	29.4	31.9	29.4	27.3	25.2	28.6	28.3	34.7	35.1	32.1	30.3
Zimbabwe	4.2	33.0	36.1	34.8	33.1	38.6	34.5	37.4	35.7	39.5	49.9	11.4	35.6	37.0
NORTH AFRICA		33.8	32.7	33.1	31.9	30.3	29.2	29.1	28.9	30.1	29.4	..	35.7	30.9
Algeria	46.2	30.6	31.4	36.1	33.5	31.6	29.2	31.2	31.7	30.5	29.4	47.8	39.7	30.9
Egypt, Arab Republic	..	40.9	36.6	33.2	32.2	28.6	27.8	26.1	25.3	28.4	27.2	..	41.3	31.3
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	32.2	26.0	28.5	29.8	28.2	29.3	28.1	29.8	30.0	31.9	32.4	24.6	27.3	29.2
Tunisia	27.9	31.8	30.2	30.7	33.8	34.5	35.5	32.6	32.0	31.5	31.9	32.3	31.3	32.4
ALL AFRICA		30.1	31.0	32.0	30.4	28.8	28.1	28.3	29.3	31.0	30.1	30.1	31.1	29.9

Note: 2000 data are preliminary. Nigeria: from 1992 accounts are for consolidated budget; since 1994, ratios are distorted as off. exch. rate used by the Gov. for oil exports oil value added is significantly over-valued.

## 7-5. Government interest payments

	Percentage of GDP										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA									5.1	5.1	4.8			5.0
excluding South Africa		5.3	5.4	5.4	9.2	4.6	4.0	3.5	3.4	4.2	4.4	3.4	4.4	5.0
excl. S. Africa & Nigeria		4.2	4.3	4.8	10.1	4.8	4.4	3.7	3.5	3.4	3.8	3.2	3.5	4.6
Angola	..	6.0	8.2	9.4	239.1	10.9	12.3	3.4	5.0	6.5	5.8	..	2.5	28.3
Benin	..	2.6	3.7	2.7	3.2	2.8	2.4	1.8	1.0	0.9	0.9	..	2.0	2.3
Botswana	..	..	..	..	..	..	..	-0.1	-0.5	0.0	0.1	..	..	-0.1
Burkina Faso	..	1.4	1.4	1.5	1.6	1.5	0.9	0.9	0.9	0.9	1.1	0.7	1.2	1.2
Burundi	0.2	1.6	1.8	1.5	1.5	1.8	1.8	2.0	2.4	3.2	3.1	0.7	2.0	2.0
Cameroon	0.3	4.1	5.2	4.8	7.0	6.4	6.7	6.1	5.7	5.2	4.4	0.6	1.3	5.2
Cape Verde	..	1.1	1.1	1.2	1.0	3.2	3.6	3.9	3.6	1.3	2.7	0.0	1.1	2.2
Central African Republic	..	1.4	1.9	2.1	2.4	2.3	1.9	1.3	1.3	1.4	1.9	..	1.4	1.8
Chad	..	0.6	0.7	1.2	1.2	1.0	1.0	1.0	0.8	0.9	1.0	..	0.2	0.9
Comoros	..	1.2	1.0	1.0	1.2	1.0	0.9	1.0	1.0	0.9	0.9	0.0	0.3	1.0
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	8.7	7.9	7.4	12.1	11.9	12.0	12.1	14.6	11.6	7.0	0.0	4.8	10.5
Côte d'Ivoire	0.0	10.9	10.4	8.7	7.9	6.9	5.8	4.9	4.2	4.4	4.4	1.6	8.1	7.1
Djibouti	..	..	0.6	0.4	0.3	0.6	0.7	0.5	0.3	0.3	0.7	..	..	0.5
Equatorial Guinea	..	6.9	8.0	7.6	7.1	5.9	3.9	1.4	1.7	1.4	0.3	..	5.8	4.6
Eritrea	..	..	0.0	0.0	0.1	0.4	0.9	1.0	1.3	2.0	2.9	..	..	1.0
Ethiopia	..	1.3	1.5	2.0	3.4	2.5	2.4	2.2	1.9	2.0	2.2	0.9	1.5	2.1
Gabon	..	6.0	6.4	7.0	6.7	8.1	5.9	5.8	7.3	7.2	5.5	2.4	4.8	6.5
Gambia, The	..	3.5	3.4	3.8	3.7	3.8	4.4	5.1	5.3	5.0	4.6	..	4.2	4.3
Ghana	..	1.8	2.2	3.5	4.4	4.2	5.1	6.3	5.1	5.6	7.5	1.3	1.5	4.3
Guinea	..	2.3	1.6	1.3	1.6	1.4	1.3	1.6	1.4	1.6	1.7	..	2.7	1.7
Guinea-Bissau	0.0	5.3	4.6	5.8	5.4	6.7	6.6	5.5	6.8	6.4	5.7	0.1	3.9	5.7
Kenya	3.5	9.1	8.4	14.3	11.2	8.1	7.0	5.9	5.5	4.5	3.6	3.7	5.1	7.9
Lesotho	..	..	..	2.3	2.1	1.7	1.6	1.6	2.0	2.6	3.2	..	..	2.1
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	2.0	3.4	4.0	5.4	5.1	4.7	3.0	2.7	2.1	2.3	1.0	1.8	3.3
Malawi	3.2	2.7	3.2	3.1	5.1	6.4	5.3	3.4	3.8	3.4	4.5	4.2	6.0	4.1
Mali	4.4	1.8	1.8	1.6	2.4	1.4	1.1	1.0	0.8	0.9	1.0	5.9	1.7	1.5
Mauritania	..	2.6	3.0	4.1	2.9	3.2	3.2	3.0	3.5	3.6	3.1	..	3.2	3.2
Mauritius	5.3	4.1	3.1	3.0	3.2	3.4	3.7	4.1	3.7	3.6	4.4	6.4	5.0	3.7
Mozambique	0.0	1.3	2.4	2.5	1.1	1.6	1.4	1.3	1.0	0.6	0.2	0.0	1.0	1.4
Namibia	..	0.3	0.2	0.6	0.9	1.1	1.5	1.9	2.4	2.4	2.2	2.6	2.7	1.3
Niger	..	1.9	1.6	1.7	2.3	2.3	1.7	1.5	1.6	1.6	1.7	2.1	2.7	1.8
Nigeria	1.4	10.1	9.8	8.2	5.6	3.7	2.3	2.4	3.1	8.3	7.5	1.7	8.0	6.6
Rwanda	0.2	1.8	1.9	2.2	4.5	2.3	1.6	1.2	0.9	0.9	0.9	0.4	1.0	1.7
São Tomé and Príncipe	..	11.0	11.0	11.5	11.0	12.0	10.0	11.3	12.4	11.3	6.7	..	6.3	10.6
Senegal	2.0	2.5	2.0	2.3	3.5	2.9	2.3	2.3	1.3	1.5	1.5	2.5	3.2	2.2
Seychelles	1.8	7.9	7.9	8.0	8.4	9.7	9.2	9.4	10.2	7.2	6.7	1.9	6.6	8.4
Sierra Leone	1.9	6.3	5.8	4.0	2.6	1.8	2.2	2.0	4.8	5.5	6.6	2.0	4.7	4.3
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	6.9	6.1	5.2	..	..	6.1
Sudan	..	..	..	..	..	..	..	..	0.7	0.9	1.3	..	..	1.0
Swaziland	..	0.8	0.8	0.7	0.6	0.6	0.7	0.7	0.7	0.6	0.7	..	..	0.7
Tanzania	..	1.9	1.7	2.3	2.2	3.0	3.0	2.4	2.0	1.5	1.8	2.4	2.4	2.2
Togo	..	3.5	3.0	4.3	5.5	3.5	2.8	2.5	2.3	2.4	2.3	7.2	4.8	3.2
Uganda	..	1.3	3.3	1.8	1.4	1.0	1.0	0.9	1.0	0.9	1.0	2.0	0.9	1.3
Zambia	4.1	8.5	8.5	12.3	11.6	8.1	4.8	4.1	3.4	2.9	3.4	4.2	9.5	6.9
Zimbabwe	1.2	4.6	5.7	6.2	6.7	9.4	8.5	7.1	9.9	10.3	17.2	2.6	4.8	8.2
NORTH AFRICA		4.4	4.8	5.6	6.0	5.4	5.3	5.0	4.6		4.7		3.6	4.9
Algeria	..	1.8	2.2	2.3	2.8	3.1	3.5	4.0	4.0	..	4.0	..	1.7	2.9
Egypt, Arab Republic	..	6.3	6.8	8.5	9.4	7.3	7.0	6.0	5.3	5.4	5.3	0.0	3.0	6.5
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	2.4	5.5	5.6	5.9	5.7	6.0	5.4	5.4	5.2	5.5	5.3	4.1	6.1	5.6
Tunisia	1.6	2.9	3.2	3.5	3.7	4.0	4.3	3.4	3.1	3.4	3.3	1.8	2.8	3.4
ALL AFRICA									4.9	5.1	4.8			4.9

Note: 2000 data are preliminary. Nigeria: from 1992 accounts are for consolidated budget; since 1994, ratios are distorted as off. exch. rate used by the Gov. for oil exports oil value added is significantly over-valued.

## 7-6. Government revenue (excluding grants)

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>		21.6	22.5	23.2	22.8	23.5	23.4	23.8	23.7	26.0	25.9	21.0	21.9	23.5
excluding South Africa		18.6	21.8	20.2	18.3	19.7	19.4	19.9	19.1	21.6	24.4	18.5	19.0	20.2
excl S Africa & Nigeria		18.8	19.1	19.1	18.3	19.1	19.4	19.9	19.6	19.8	20.1	18.5	20.2	19.3
Angola	..	18.3	35.6	39.1	42.1	30.1	45.3	36.8	26.8	44.0	55.7	..	32.3	36.3
Benin	..	8.7	9.5	11.0	10.8	13.5	15.2	15.2	15.7	16.4	17.2	14.2	4.5	12.6
Botswana	..	49.3	50.5	49.6	38.8	38.1	41.9	44.8	38.9	42.0	45.4	40.8	46.0	44.3
Burkina Faso	..	13.3	11.7	12.0	11.6	11.6	12.6	13.6	14.7	15.6	14.1	9.7	10.6	13.0
Burundi	18.1	16.9	17.2	17.4	20.1	20.1	17.7	15.1	18.0	19.5	20.9	18.0	17.9	18.0
Cameroon	16.3	15.2	15.7	13.7	9.9	12.9	14.3	15.1	15.6	15.5	18.8	11.1	18.6	14.6
Cape Verde	..	16.1	18.7	23.5	23.4	23.9	20.7	24.3	22.4	26.4	20.5	22.4	16.4	21.5
Central African Republic	..	9.2	8.9	7.7	7.5	9.2	6.1	7.7	9.1	9.2	9.6	..	..	8.6
Chad	..	6.1	6.3	7.0	4.9	6.2	7.3	7.8	7.6	8.1	8.0	3.6	5.4	6.9
Comoros	..	13.9	15.8	14.5	14.5	14.3	13.3	15.1	11.4	11.6	10.2	17.6	12.9	13.8
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	25.3	22.5	24.1	22.4	19.9	27.5	28.5	22.6	26.5	26.3	34.6	25.9	24.8
Côte d'Ivoire	..	19.5	20.1	17.6	19.9	22.1	22.2	21.3	20.5	18.6	18.5	30.0	27.7	20.2
Djibouti	..	..	26.9	28.4	29.5	28.7	28.9	27.3	25.3	23.5	22.3	..	..	26.8
Equatorial Guinea	..	..	..	..	17.3	15.7	17.7	17.4	23.6	15.8	17.6	..	..	17.9
Eritrea	..	..	24.4	35.3	28.1	34.1	32.6	43.6	34.8	37.2	34.1	..	..	33.8
Ethiopia	..	13.7	10.6	12.0	13.9	17.4	18.4	18.2	18.1	17.8	18.2	17.4	20.0	16.0
Gabon	..	24.3	22.9	22.6	23.5	29.5	25.7	31.3	31.8	25.6	22.1	-0.3	30.0	25.4
Gambia, The	..	21.5	23.2	23.0	20.9	18.5	18.8	19.1	18.8	17.8	18.5	21.2	21.3	20.1
Ghana	..	17.7	15.2	19.2	18.7	20.4	17.6	18.7	20.5	21.8	17.7	8.0	13.2	18.2
Guinea	..	14.5	12.2	11.2	10.2	11.0	10.3	11.5	11.2	10.9	11.3	..	14.4	11.8
Guinea-Bissau	0.0	12.4	10.7	10.4	12.4	12.7	12.5	15.3	5.4	17.3	19.6	0.7	13.6	13.4
Kenya	22.9	24.4	24.9	29.9	28.1	28.6	27.5	25.2	25.1	24.2	23.4	18.7	22.4	25.9
Lesotho	..	40.9	40.9	40.6	44.1	44.3	43.7	44.2	45.3	39.7	38.3	29.2	33.6	41.8
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	9.5	11.1	10.8	8.8	8.8	9.4	9.7	10.6	11.4	11.7	14.4	13.6	10.5
Malawi	19.8	18.6	20.7	17.1	19.5	18.3	15.1	15.2	16.8	18.1	17.5	18.1	22.4	17.9
Mali	72.8	16.0	13.3	13.8	12.7	12.9	15.4	16.0	15.6	17.2	17.5	68.6	15.1	15.3
Mauritania	..	22.3	22.4	27.2	24.7	24.0	29.2	27.0	27.1	27.9	25.6	..	24.7	25.6
Mauritius	23.7	23.8	22.7	22.8	20.4	18.3	21.3	21.2	21.7	21.9	19.5	23.9	24.8	21.6
Mozambique	13.4	12.5	13.9	14.0	11.8	11.3	10.6	11.6	11.3	12.0	12.7	16.1	11.1	12.2
Namibia	0.0	32.0	31.7	32.1	30.0	30.9	29.7	31.8	31.7	32.5	31.6	13.1	27.7	31.2
Niger	0.0	8.5	8.2	7.3	6.0	7.2	7.8	8.4	9.1	8.8	9.1	1.1	10.7	8.3
Nigeria	..	17.7	35.1	25.5	18.5	22.6	19.7	20.0	16.2	30.7	46.1	..	13.6	24.9
Rwanda	..	10.4	10.1	9.2	3.6	6.9	9.1	10.3	10.4	9.8	9.8	9.0	10.5	9.1
São Tomé and Príncipe	..	16.2	20.2	18.0	13.3	16.5	13.4	15.6	25.0	19.3	17.4	..	24.6	17.3
Senegal	22.1	19.4	18.4	16.6	14.9	16.4	16.6	16.9	16.8	17.3	18.1	19.1	17.2	17.1
Seychelles	..	44.2	44.5	51.9	53.7	47.7	42.6	43.4	45.2	47.0	40.5	40.2	47.0	46.2
Sierra Leone	..	10.8	12.4	13.9	12.8	8.6	10.5	5.0	7.4	6.8	12.0	..	6.6	9.9
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	21.5	24.9	23.4	26.5	27.8	27.8	27.9	28.2	28.8	30.9	27.5	21.9	24.9	27.3
Sudan	..	7.2	8.8	8.3	8.8	8.7	6.1	6.7	7.6	8.1	11.0	10.9	8.7	8.0
Swaziland	..	32.0	30.6	28.1	28.0	29.0	29.5	30.3	30.1	29.5	27.9	..	..	29.5
Tanzania	..	14.4	15.1	12.9	13.9	11.0	11.9	12.2	10.8	10.9	10.7	18.6	13.8	12.6
Togo	..	17.5	16.2	10.9	12.2	14.9	14.9	17.4	16.1	14.9	13.3	28.1	25.5	15.5
Uganda	..	7.5	6.8	7.3	8.3	9.8	10.2	11.0	10.3	10.9	10.8	11.1	6.3	9.1
Zambia	..	18.7	18.4	15.9	20.1	19.9	20.7	19.9	18.8	17.9	21.6	..	20.1	19.3
Zimbabwe	11.1	26.6	27.7	26.8	24.5	26.7	25.5	28.7	31.4	28.9	27.4	18.5	26.6	27.4
<b>NORTH AFRICA</b>		27.2	29.5	28.2	28.7	27.8	28.3	28.3	26.5	27.0	29.4	..	25.8	27.8
Algeria	37.9	32.3	30.2	27.5	29.1	30.2	32.2	33.5	27.8	29.9	39.3	38.3	30.4	31.0
Egypt, Arab Republic	..	25.7	31.2	29.7	30.0	27.3	26.5	25.2	24.3	24.2	23.6	..	25.3	26.4
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	20.9	22.9	26.2	26.6	24.2	23.9	24.6	26.4	27.3	27.2	26.2	22.0	21.1	25.4
Tunisia	28.8	26.7	27.2	27.8	31.3	30.0	30.3	28.4	29.1	28.9	28.6	30.6	29.5	28.7
<b>ALL AFRICA</b>		23.6	24.9	24.9	24.9	25.0	25.1	25.4	24.7	26.4	27.1	23.7	23.4	25.0

Note: 2000 data are preliminary. Nigeria: from 1992 accounts are for consolidated budget; since 1994, ratios are distorted as off. exch. rate used by the Gov. for oil exports oil value added is significantly over-valued.

## 7-7. Grants to government

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	7.2	1.2	1.4	1.3	1.3	1.1	1.0	1.0	1.1	1.2	1.2	-0.5	0.9	1.2
excluding South Africa	0.7	1.9	2.3	2.3	2.4	2.0	1.9	1.8	2.0	2.3	2.2	0.8	1.6	2.1
excl. S Africa & Nigeria	0.9	2.3	2.7	2.8	2.8	2.4	2.2	2.2	2.4	2.7	2.7	1.0	1.9	2.5
Angola	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	18.6	4.8	..	0.0	2.5
Benin	0.0	3.4	4.1	3.9	4.6	4.0	3.9	4.7	3.2	3.6	1.7	1.1	5.0	3.9
Botswana	0.0	1.0	1.1	1.6	0.9	0.3	0.4	0.1	0.1	0.1	0.0	0.2	2.0	0.6
Burkina Faso	0.0	4.6	6.2	5.2	7.7	7.2	8.6	7.3	7.1	9.3	9.3	0.7	5.5	6.8
Burundi	3.7	8.7	8.6	9.1	2.4	3.6	2.2	3.1	0.9	2.8	3.3	2.0	1.6	4.8
Cameroon	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.1
Cape Verde	0.0	9.9	17.5	15.3	15.2	8.7	5.0	10.1	16.1	4.9	5.6	3.8	19.3	10.6
Central African Republic	4.4	4.6	5.7	5.3	4.9	6.3	1.5	4.0	7.8	6.8	7.2	1.6	5.1	5.3
Chad	0.0	5.0	4.9	4.6	9.5	7.5	6.2	6.4	5.1	4.6	4.8	0.8	9.8	6.0
Comoros	0.0	16.3	15.0	14.4	16.3	11.8	8.9	9.7	7.3	6.5	4.2	3.8	19.2	11.4
Congo, Democratic Rep. of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..	..	0.0	0.0	0.0
Congo, Republic of	0.0	0.2	0.0	0.0	1.1	0.9	0.3	0.1	0.3	0.4	0.3	0.2	0.1	0.4
Côte d'Ivoire	0.0	0.5	0.5	0.5	0.7	0.7	0.7	1.4	1.4	1.2	1.1	0.0	0.0	0.8
Djibouti	..	0.0	12.4	8.8	5.0	2.0	1.8	3.8	8.8	7.4	8.6	..	0.0	5.3
Equatorial Guinea	..	27.7	17.1	19.3	4.2	2.6	0.9	0.7	0.7	0.2	0.1	0.0	4.6	9.4
Eritrea	..	..	9.1	20.1	18.5	12.7	11.3	6.1	10.3	8.9	19.4	..	..	12.9
Ethiopia	..	2.4	2.6	1.7	3.5	3.3	2.9	3.6	2.8	3.6	3.3	2.1	3.7	2.9
Gabon	0.0	0.3	0.1	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1
Gambia, The	0.0	5.4	4.5	3.7	3.1	2.4	2.2	1.3	2.0	1.6	2.3	0.0	14.2	3.1
Ghana	0.1	4.7	5.4	6.8	3.5	3.6	2.6	2.3	3.8	2.6	3.4	0.1	2.3	3.7
Guinea	..	3.6	4.0	3.6	3.5	4.0	3.2	3.1	2.9	2.3	2.4	..	3.1	3.3
Guinea-Bissau	0.0	15.5	15.8	16.9	14.7	16.3	9.0	12.8	3.2	4.3	14.1	1.8	30.4	12.8
Kenya	2.5	2.0	2.6	3.1	2.8	2.1	1.3	1.4	1.4	1.2	2.8	1.1	2.0	2.1
Lesotho	0.0	8.4	6.1	5.3	4.7	4.4	4.3	4.2	3.3	2.2	2.1	0.9	5.5	5.1
Liberia	0.0	..	..	..	..	..	..	..	..	..	..	0.0	0.0	..
Madagascar	0.0	2.1	3.5	3.5	3.0	2.9	4.2	5.3	3.5	3.6	3.6	0.2	1.3	3.6
Malawi	4.3	3.0	2.8	2.8	12.1	8.0	4.5	3.5	6.2	6.5	9.3	2.2	3.9	5.6
Mali	20.5	8.2	7.1	5.5	10.0	7.5	7.2	5.8	5.9	5.3	4.4	26.3	5.1	6.6
Mauritania	0.0	2.3	1.7	2.2	2.6	2.0	2.2	0.8	1.4	2.6	1.6	0.0	5.1	2.0
Mauritius	0.2	0.1	0.2	0.2	0.4	0.3	0.1	0.3	0.1	0.2	0.2	0.3	0.8	0.2
Mozambique	1.8	11.1	13.7	11.9	13.8	9.8	7.0	9.3	8.1	11.6	11.6	1.9	5.4	10.7
Namibia	0.0	1.0	0.8	0.6	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.5
Niger	0.0	4.8	3.9	5.6	5.8	4.7	4.9	4.6	4.4	3.9	4.7	0.3	4.6	4.8
Nigeria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rwanda	0.0	7.4	6.1	6.4	0.9	11.4	7.3	6.7	5.2	5.9	9.1	1.6	3.5	6.5
São Tomé and Príncipe	0.0	25.3	9.0	16.6	17.5	23.4	23.5	27.8	9.7	24.6	20.3	0.0	12.2	20.4
Senegal	0.7	1.7	1.3	1.1	4.2	3.3	6.6	2.6	3.0	2.1	1.7	0.5	1.4	2.6
Seychelles	0.0	1.5	1.3	1.6	0.8	0.5	0.5	0.5	0.5	1.2	1.0	1.0	2.2	1.0
Sierra Leone	1.0	0.0	0.0	0.0	0.0	0.0	1.8	0.5	2.4	5.2	8.4	0.4	0.5	1.7
Somalia	0.0	..	..	..	..	..	..	..	..	..	..	0.0	0.0	0.0
South Africa	-15.5	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.0	0.1	0.1
Sudan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Swaziland	0.0	0.8	1.4	1.0	0.8	0.3	0.3	0.3	0.5	0.4	1.2	0.0	0.0	0.6
Tanzania	..	2.1	2.4	3.4	3.3	1.8	2.0	3.2	2.7	3.8	4.2	2.8	3.0	2.9
Togo	1.5	1.5	1.8	0.3	1.4	1.4	0.5	1.4	1.3	1.7	0.5	1.4	3.1	1.4
Uganda	0.0	3.8	7.1	8.1	6.5	4.4	4.1	4.4	5.1	4.7	5.5	0.1	1.1	5.0
Zambia	0.0	9.0	10.2	8.0	5.3	5.2	6.1	5.1	6.6	8.1	6.4	0.0	1.2	6.7
Zimbabwe	0.7	1.1	1.7	2.0	1.9	1.8	1.3	1.1	1.7	1.0	1.1	0.5	1.0	1.4
NORTH AFRICA	0.1	1.5	0.9	0.5	0.6	0.4	0.2	0.3	0.2	0.3	0.2	0.3	0.5	0.6
Algeria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Egypt, Arab Republic	0.0	2.8	2.3	1.2	1.3	0.9	0.6	0.6	0.5	0.6	0.4	0.0	1.2	1.3
Libya	0.0	..	..	..	..	..	..	..	..	..	..	0.0	0.0	..
Morocco	0.5	2.1	0.0	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.7	0.5	0.5
Tunisia	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.3	0.4	0.3	0.4	0.0	0.0	0.2
ALL AFRICA	-4.4	1.3	1.2	1.0	1.0	0.9	0.7	0.7	0.8	0.9	0.8	-0.2	0.7	1.0

Note: 2000 data are preliminary. Nigeria: from 1992 accounts are for consolidated budget; since 1994, ratios are distorted as off. exch. rate used by the Gov. for oil exports oil value added is significantly over-valued.

## 7-8. Foreign financing

	Percentage of GDP											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	1.1	1.3	0.1	0.8	2.0	0.8	1.7	0.7	0.8	0.0	0.2	1.1	1.4	0.9
excluding South Africa	..	2.3	0.1	1.5	3.5	1.1	3.0	0.9	1.3	1.0	1.4	1.8	2.9	1.8
excl S Africa & Nigeria	..	2.9	3.4	2.8	5.0	2.0	4.0	1.3	1.4	1.0	1.3	2.3	3.1	2.6
Angola	..	1.6	1.2	-8.7	7.3	-2.7	29.9	3.7	-3.6	-5.0	-2.1	..	0.6	2.3
Benin	..	11.3	7.9	6.9	10.3	8.3	7.6	2.3	2.4	2.8	3.2	..	27.9	6.6
Botswana	..	0.3	0.8	0.5	0.0	-0.3	-0.3	-0.7	0.4	2.0	0.7	..	..	0.3
Burkina Faso	..	8.4	9.4	9.6	10.5	13.1	11.2	9.7	10.1	9.5	5.4	3.0	1.1	9.1
Burundi	3.3	10.6	14.2	10.6	7.4	2.9	3.0	1.6	2.6	1.7	0.5	5.6	7.5	5.8
Cameroon	2.2	1.9	8.4	0.1	20.5	0.1	8.2	-4.0	9.0	3.3	1.3	1.6	3.0	4.9
Cape Verde	..	0.6	2.2	3.2	..	..	..	..	6.5	8.2	-0.1	11.5	4.8	3.2
Central African Republic	0.4	1.6	0.8	0.3	2.3	0.6	-1.6	-1.6	-1.6	-1.9	-1.8	1.0	1.9	-0.2
Chad	..	2.7	2.0	2.8	2.6	2.8	6.7	5.6	2.7	5.3	3.3	0.5	4.1	3.9
Comoros	..	3.2	-2.5	2.4	4.8	4.5	3.8	3.0	1.8	1.5	-0.5	0.0	0.7	2.2
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	11.2	8.3	7.0	8.1	5.4	-11.9	75.4	11.0	-13.3	-12.2	-10.4	5.7	6.9	8.4
Côte d'Ivoire	7.9	10.9	9.8	7.5	11.0	4.2	3.0	1.0	0.7	0.2	1.9	6.8	6.1	5.6
Djibouti	..	..	1.7	3.4	2.5	1.6	3.4	1.4	0.7	2.0	3.7	..	..	2.3
Equatorial Guinea	..	-7.0	0.4	0.6	-8.5	-8.0	-0.4	-0.7	-0.9	-0.6	-0.1	..	-0.8	-2.3
Eritrea	..	..	0.0	0.1	4.6	1.2	1.3	4.3	9.7	15.9	19.6	..	..	6.3
Ethiopia	..	2.1	1.4	2.7	6.0	3.7	3.7	1.8	1.7	3.5	1.7	2.6	3.1	2.8
Gabon	..	-2.8	-4.2	-5.1	-3.2	-5.7	-3.1	-4.9	-6.2	-6.9	-2.7	..	6.8	-4.3
Gambia, The	0.0	4.6	4.1	2.0	0.7	2.9	6.6	4.1	1.2	0.6	-0.8	1.3	5.6	2.8
Ghana	0.9	3.5	3.5	6.2	4.5	4.3	3.7	4.6	3.1	5.8	9.2	0.7	2.7	4.8
Guinea	..	1.3	1.5	3.1	-0.3	1.7	1.2	4.1	1.8	2.4	1.6	..	4.7	1.9
Guinea-Bissau	0.0	2.1	18.9	14.0	9.8	3.3	9.0	20.8	7.8	5.1	85.5	0.0	16.0	16.5
Kenya	0.3	1.0	1.3	1.2	-0.5	-0.5	-0.6	-1.1	-1.2	-1.9	-0.4	0.2	1.0	0.0
Lesotho	..	-1.7	0.7	5.6	5.2	3.8	5.9	7.3	5.4	-0.1	-1.7	-0.4	-4.9	2.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	5.6	3.9	2.7	2.9	1.7	1.9	5.0	3.8	1.9	1.2	2.7	4.1	3.4	2.7
Malawi	4.0	3.5	4.9	4.4	12.9	1.8	4.9	3.4	9.0	3.1	3.4	4.8	3.5	5.1
Mali	15.2	6.2	4.3	3.4	7.8	7.4	6.1	3.4	3.8	3.8	3.9	20.5	8.1	5.1
Mauritania	..	-1.6	0.7	23.5	6.8	2.7	3.4	0.1	-3.2	-2.0	-0.5	0.0	6.8	2.8
Mauritius	8.1	-0.8	-0.7	-0.2	-0.6	3.4	0.3	-0.3	-1.2	-0.5	-3.1	2.7	-0.6	-0.4
Mozambique	2.1	3.6	2.1	2.6	5.9	3.8	4.2	5.8	4.6	1.8	2.8	3.7	4.1	3.9
Namibia	..	0.0	0.3	0.6	0.4	0.7	0.8	0.6	0.1	0.3	0.1	0.0	0.0	0.4
Niger	..	0.6	1.5	-0.1	12.5	-0.6	4.1	3.5	4.3	..	..	5.4	4.2	3.6
Nigeria	0.5	-0.1	-15.1	-4.7	-3.7	-2.9	-2.1	-1.4	0.9	1.1	1.5	0.6	1.9	-2.4
Rwanda	-0.3	4.0	4.2	3.0	-1.4	2.2	2.5	2.1	6.2	3.2	2.2	0.9	3.4	2.8
São Tomé and Príncipe	..	19.1	40.7	23.4	29.8	29.6	24.9	26.7	5.3	16.9	45.6	..	8.1	25.3
Senegal	2.7	0.5	0.8	0.6	9.2	3.6	0.4	1.7	1.5	0.8	0.5	4.0	3.2	2.1
Seychelles	..	3.1	-1.5	0.9	-1.5	0.8	-1.4	0.7	-0.9	-1.3	3.5	6.6	3.2	0.0
Sierra Leone	7.3	6.5	5.4	8.6	5.3	6.6	3.9	1.3	1.4	-1.2	6.4	4.9	-2.5	4.0
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	-0.1	0.2	0.2	0.0	0.4	0.4	0.2	0.5	0.2	-1.1	-1.1	0.1	-0.1	0.0
Sudan	..	..	..	2.0	1.1	1.0	0.2	0.2	0.2	0.3	0.4	..	..	0.7
Swaziland	..	-0.6	-0.4	-0.6	-0.9	0.0	0.3	0.6	2.2	1.2	1.3	..	..	0.3
Tanzania	..	0.8	1.7	1.7	2.1	0.8	-1.1	-0.4	0.9	0.4	1.5	1.5	0.7	0.8
Togo	..	3.0	2.4	0.8	4.9	11.7	5.9	5.4	4.3	2.0	2.3	..	7.3	4.3
Uganda	..	3.9	5.2	5.2	5.5	4.5	3.4	3.2	2.7	3.0	3.3	0.4	1.3	4.2
Zambia	..	2.2	2.3	6.4	4.1	4.1	2.3	..	..	..	-1.1	..	4.5	3.3
Zimbabwe	0.4	2.1	3.5	2.0	0.5	0.2	0.2	0.3	-2.6	-1.1	-2.5	1.8	1.9	0.3
NORTH AFRICA	..	3.6	0.2	0.1	1.9	2.0	0.8	0.1	-0.8	-1.4	-1.7	1.4	1.0	0.4
Algeria	-0.1	-0.7	1.3	1.7	8.3	7.6	4.1	2.3	-0.3	-2.3	-2.4	-0.1	0.1	1.8
Egypt, Arab Republic	..	10.2	-0.2	-1.0	-1.0	-1.1	-1.2	-1.2	-1.0	-1.2	-1.2	3.7	3.8	0.1
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	4.8	-1.8	-1.3	-0.7	-1.8	-0.8	-1.5	-1.9	-1.7	-2.0	-1.8	4.0	-4.0	-1.7
Tunisia	..	2.4	1.0	1.2	1.4	2.9	2.8	2.4	0.0	1.4	..	2.4	2.8	1.8
ALL AFRICA	..	2.1	0.1	0.6	2.0	1.2	1.4	0.5	0.2	-0.5	-0.4	1.1	1.2	0.7

Note: 2000 data are preliminary. Nigeria: from 1992 accounts are for consolidated budget; since 1994, ratios are distorted as off. exch. rate used by the Gov. for oil exports oil value added is significantly over-valued.

## 7-9. Taxes on income and profits

	Percentage of total revenue											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		36.3	36.3	32.5	32.0	33.0	33.8	35.4	37.3	35.8	38.1	40.9	36.6	35.2
excluding South Africa		19.0	18.7	18.3	18.9	20.8	21.2	22.6	25.0	24.1	25.5	23.0	20.6	21.4
excl S Africa & Nigeria		22.9	22.5	22.0	22.8	25.1	25.4	25.2	25.2	25.8	26.1	23.0	25.0	24.4
Angola	..	46.1	65.5	66.4	72.9	91.7	92.9	89.2	81.1	92.2	94.1	..	47.6	77.9
Benin	..	23.6	28.4	29.6	36.7	31.3	26.9	23.5	23.6	21.1	20.7	26.3	34.1	27.0
Botswana	..	8.7	8.3	8.1	8.6	7.0	5.5	4.0	3.8	4.8	5.3	12.1	8.1	6.6
Burkina Faso	..	20.4	22.0	18.9	18.7	23.4	24.7	21.9	20.2	22.7	28.0	19.7	19.1	22.0
Burundi	18.9	23.7	23.4	27.3	18.3	19.1	22.3	23.8	26.1	24.4	19.6	21.0	17.7	22.8
Cameroon	21.7	17.3	18.0	10.9	12.6	10.9	10.0	13.6	16.0	20.8	16.7	26.9	49.7	17.4
Cape Verde	..	21.2	20.4	22.2	25.1	24.4	29.4	24.8	25.7	24.6	29.5	29.5	23.6	24.4
Central African Republic	..	23.9	22.7	23.0	24.4	20.6	24.3	19.4	14.0	19.9	21.2	..	..	21.6
Chad	..	26.7	27.6	23.5	28.7	38.9	37.6	32.7	30.5	32.2	34.5	7.6	18.1	30.1
Comoros	..	13.5	11.1	9.0	12.4	12.2	9.6	11.2	14.7	17.3	17.2	0.0	12.2	13.5
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	62.7	52.0	51.3	67.7	53.4	62.2	78.7	53.6	72.1	78.0	15.1	29.4	62.1
Côte d'Ivoire	..	20.9	20.3	19.4	14.9	18.3	20.5	22.9	23.6	25.3	27.0	15.8	18.3	21.4
Djibouti	..	..	38.9	38.7	38.5	37.2	41.0	39.2	39.2	37.4	39.8	..	..	38.9
Equatorial Guinea	..	..	..	..	19.6	20.5	52.9	61.7	76.6	77.4	83.4	..	..	56.0
Eritrea	..	..	13.1	20.1	33.2	25.7	27.4	21.8	29.3	25.4	23.3	..	..	24.4
Ethiopia	..	30.7	30.1	23.1	24.0	22.2	25.2	25.3	23.1	23.2	24.9	28.6	28.9	25.6
Gabon	..	13.0	13.4	12.8	10.7	10.5	10.6	10.1	13.0	17.0	13.7	..	23.7	12.6
Gambia, The	..	13.2	14.8	16.2	17.7	19.4	19.9	21.1	22.3	23.0	22.5	14.2	13.8	18.5
Ghana	..	14.5	14.6	14.8	17.5	17.4	21.7	23.0	21.4	20.4	29.3	18.7	22.9	19.8
Guinea	..	4.2	6.8	6.9	8.8	9.1	10.9	9.7	9.7	11.2	9.8	..	1.6	8.1
Guinea-Bissau	..	6.0	6.8	7.2	6.7	7.9	7.8	8.3	15.2	3.8	3.4	21.9	9.7	7.3
Kenya	30.1	29.0	28.8	32.9	35.6	34.4	33.2	33.1	31.9	30.6	29.9	28.3	29.6	31.7
Lesotho	..	15.8	16.7	15.3	13.9	16.0	15.9	14.8	15.8	17.9	18.1	14.2	11.6	15.6
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	13.8	11.6	14.9	18.8	14.2	16.9	18.9	15.7	14.9	14.9	15.3	11.5	15.1
Malawi	83.8	51.5	49.2	32.9	32.3	29.6	37.7	34.7	39.3	38.0	39.0	83.4	70.2	39.7
Mali	15.2	12.8	14.3	13.1	15.2	18.4	18.5	18.0	21.2	14.5	16.9	17.4	12.7	16.0
Mauritania	..	26.6	26.5	24.8	24.5	25.3	17.3	19.2	18.5	18.3	18.0	..	27.0	22.5
Mauritius	21.5	20.3	19.3	17.7	20.3	22.7	19.9	19.2	18.4	17.5	19.5	23.9	16.7	19.6
Mozambique	12.4	17.7	15.6	14.3	17.3	16.6	18.2	19.0	18.1	14.0	13.5	15.5	21.4	16.5
Namibia	..	24.6	26.4	29.9	29.0	27.4	28.8	34.1	33.8	32.6	32.3	19.3	34.3	30.4
Niger	..	28.8	33.8	33.7	30.0	30.5	25.4	21.1	21.8	24.0	20.0	22.0	25.9	26.6
Nigeria	..	..	..	..	..	..	..	10.0	23.9	15.6	22.7	..	..	18.0
Rwanda	..	21.2	23.4	24.8	25.8	12.5	26.2	25.1	27.7	24.9	27.0	26.0	25.3	24.0
São Tomé and Príncipe	..	10.2	6.7	8.9	10.7	14.1	21.1	29.3	16.4	18.5	25.4	..	9.8	15.7
Senegal	26.2	23.0	24.2	23.4	21.1	21.9	21.6	21.8	23.3	21.2	22.9	25.7	23.7	22.6
Seychelles	..	21.0	16.9	26.8	29.6	34.8	26.7	28.0	28.3	30.8	31.6	22.6	18.4	27.1
Sierra Leone	..	23.6	23.9	21.7	21.4	15.9	16.5	13.2	17.3	25.8	26.1	..	25.8	20.9
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	58.2	55.4	56.0	48.3	46.6	46.5	48.0	49.8	51.1	48.9	52.2	57.8	53.8	50.5
Sudan	..	18.4	..	..	..	28.7	28.3	19.5	19.9	17.6	11.5	18.9	14.9	20.3
Swaziland	..	32.1	34.2	33.5	32.1	28.1	28.5	26.8	26.1	25.6	25.6	..	..	29.3
Tanzania	..	26.8	27.6	30.9	31.2	41.1	37.4	34.7	39.6	34.3	37.8	33.6	31.5	33.0
Togo	..	30.4	30.5	30.9	40.1	41.4	30.5	22.6	22.3	24.8	23.0	35.0	34.3	29.9
Uganda	..	10.1	12.7	14.5	14.6	14.7	13.2	14.0	15.6	17.9	18.0	6.7	7.8	14.1
Zambia	..	27.0	33.0	28.6	28.7	28.9	30.0	32.0	35.2	36.5	32.5	..	27.5	30.5
Zimbabwe	0.0	44.1	46.0	48.7	47.7	45.9	45.7	47.6	48.0	48.9	50.4	8.6	45.4	47.3
NORTH AFRICA		17.8	18.6	19.1	19.8	19.7	20.2	20.8	22.6	20.6	21.4	..	19.2	19.9
Algeria	11.0	8.3	8.9	10.9	9.9	8.9	8.2	8.8	11.4	7.6	5.2	12.0	19.8	9.2
Egypt, Arab Republic	..	22.4	23.0	23.8	22.9	21.8	22.5	22.6	22.5	21.2	24.6	..	18.0	22.4
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	22.8	24.3	26.6	23.2	22.5	24.0	25.5	25.8	30.5	28.6	28.9	22.7	22.7	26.1
Tunisia	16.1	15.7	15.1	17.2	31.0	33.3	35.1	38.1	39.9	38.7	40.5	15.6	14.2	28.9
ALL AFRICA		29.8	30.2	27.8	27.8	28.3	29.1	30.4	32.2	30.5	32.3	34.0	31.3	29.9

Note: 2000 data are preliminary (see page 2). Total revenue does not include grants. Nigeria's fiscal data are for consolidated government starting from 1992.

## 7-10. Taxes on international trade and transactions

	Percentage of total revenue											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		11.2	10.8	10.9	12.1	13.3	13.6	13.8	13.5	13.4	11.8	8.0	10.6	12.4
excluding South Africa		17.9	18.0	18.0	20.2	22.3	22.6	23.1	23.0	22.3	19.6		16.1	20.5
excl. S Africa & Nigeria		21.6	21.7	21.7	24.3	26.8	27.2	25.4	24.8	25.0	22.3	14.8	19.6	23.9
Angola	..	1.0	13.9	6.5	4.6	4.9	4.3	5.2	8.2	3.0	2.5	..	3.0	5.0
Benin	..	56.1	52.8	50.8	47.1	44.5	40.9	45.5	43.3	45.5	47.6	52.7	80.6	49.9
Botswana	..	17.7	21.3	17.3	16.1	15.5	12.9	10.2	9.8	10.2	10.4	22.3	13.3	14.0
Burkina Faso	..	36.8	33.3	36.4	54.0	48.4	28.2	27.6	25.7	23.4	17.4	35.3	45.7	33.6
Burundi	30.5	23.7	21.8	21.0	26.6	25.4	15.5	17.5	25.8	21.7	22.3	22.5	28.3	22.0
Cameroon	..	13.1	18.0	16.6	18.3	19.5	19.3	17.1	17.5	16.5	12.9	..	17.7	16.7
Cape Verde	..	48.4	49.0	41.2	40.5	41.6	45.7	36.2	41.1	34.7	47.9	..	42.1	42.7
Central African Republic	..	37.6	34.6	33.0	32.5	42.5	38.7	38.1	44.7	38.0	38.4	..	..	38.0
Chad	..	15.3	15.6	13.6	19.4	27.1	31.1	30.3	36.0	29.5	27.2	..	26.1	24.5
Comoros	..	38.6	32.2	36.6	36.0	32.3	35.2	43.1	33.1	31.7	29.4	..	48.4	35.5
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	17.4	21.2	20.0	13.9	19.2	16.3	9.1	13.4	5.6	5.2	0.0	4.3	14.3
Côte d'Ivoire	..	31.0	25.3	26.3	39.0	38.9	39.6	36.5	34.4	38.4	31.5	..	34.9	33.4
Djibouti	..	..	19.7	22.0	24.7	24.7	22.2	21.3	37.6	40.7	39.7	..	..	28.1
Equatorial Guinea	..	..	..	..	26.9	30.8	19.0	18.8	8.0	8.2	5.3	..	..	16.7
Eritrea	..	..	25.5	21.9	20.9	17.0	19.5	14.5	15.2	12.9	13.3	..	..	17.9
Ethiopia	..	17.2	19.0	22.6	32.9	27.4	26.0	28.7	27.4	27.5	28.2	24.3	17.9	24.7
Gabon	..	21.1	19.4	21.1	16.0	17.6	19.6	17.7	19.6	25.6	20.1	..	..	19.7
Gambia, The	..	53.9	50.4	44.3	37.6	49.4	61.8	0.0	0.0	56.3	57.6	..	55.2	42.3
Ghana	..	19.6	17.7	16.3	28.2	22.7	27.3	23.9	24.5	17.5	20.5	..	39.1	23.4
Guinea	..	11.6	12.8	14.6	15.7	14.4	14.1	15.5	14.5	15.6	20.0	..	6.4	14.3
Guinea-Bissau	..	28.7	18.6	29.5	35.8	27.4	32.9	36.7	34.8	29.3	22.9	0.0	21.0	29.2
Kenya	0.0	4.6	9.5	12.7	14.8	14.9	15.1	15.8	16.0	15.9	15.5	0.0	0.0	12.3
Lesotho	..	52.8	54.0	..	..	..	..	..	..	..	..	57.9	57.3	54.0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	39.8	40.2	38.6	41.9	53.7	49.3	..	..	..	..	26.9	38.1	43.5
Malawi	0.0	34.7	32.8	15.5	19.9	25.3	22.9	21.9	16.1	14.1	12.9	0.0	11.7	22.6
Mali	51.6	41.1	42.9	45.3	44.4	46.1	45.8	48.7	53.6	49.7	45.7	46.8	27.2	44.5
Mauritania	..	32.9	34.1	33.7	32.4	22.5	16.5	12.0	10.9	9.6	9.6	..	33.0	22.1
Mauritius	48.3	39.5	41.5	41.8	38.8	38.9	34.0	33.7	28.2	29.8	28.3	46.9	53.0	36.8
Mozambique	18.5	24.4	25.5	25.5	21.8	24.0	19.9	17.6	17.6	16.9	17.4	11.7	12.6	21.1
Namibia	..	38.0	31.9	29.4	26.0	27.8	29.1	28.2	29.2	30.9	35.6	47.3	33.5	30.3
Niger	..	39.0	35.4	41.3	41.5	43.2	46.7	47.7	50.9	46.8	49.3	36.9	34.7	43.8
Nigeria	..	..	..	..	..	..	..	11.6	14.0	9.3	6.0	..	..	10.2
Rwanda	..	30.9	31.0	27.8	35.8	38.5	29.2	31.8	23.9	17.3	16.9	54.7	45.0	28.3
São Tomé and Príncipe	..	26.5	29.0	28.2	30.8	24.1	25.5	21.0	18.6	31.0	28.1	..	0.0	26.4
Senegal	..	..	..	27.6	31.5	31.1	33.7	30.7	27.3	24.3	16.0	..	..	27.8
Seychelles	..	50.7	54.2	37.7	30.5	26.2	23.2	25.1	24.3	20.7	22.4	0.0	0.0	33.3
Sierra Leone	..	37.8	37.3	39.2	38.1	45.7	47.2	39.3	52.9	47.7	48.1	..	46.8	43.1
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	3.6	3.7	2.7	2.9	3.0	3.2	3.6	3.4	2.9	3.4	3.2	4.8	4.8	3.3
Sudan	..	..	..	..	..	31.2	44.0	49.0	44.2	41.0	21.3	..	..	38.5
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	..	20.2	18.7	14.2	15.7	27.6	27.0	30.5	29.2	31.7	28.5	17.4	19.9	23.8
Togo	..	41.0	34.8	35.3	40.8	37.4	40.7	37.4	42.6	40.6	42.5	35.2	34.4	39.2
Uganda	..	54.6	50.3	50.8	53.0	48.6	50.6	51.4	47.7	44.1	42.9	58.1	57.3	49.4
Zambia	..	32.4	32.9	33.3	30.8	27.4	29.7	28.2	25.2	25.5	30.6	..	29.8	30.2
Zimbabwe	..	..	..	..	..	..	..	..	..	14.0	9.7	..	..	11.9
NORTH AFRICA		12.5	12.3	12.4	13.1	13.9	12.7	11.6	12.0	12.2	10.1	..	13.1	12.3
Algeria	4.8	6.8	8.6	9.4	11.0	12.2	10.2	7.9	9.7	8.5	5.5	6.0	6.2	8.8
Egypt, Arab Republic	..	11.4	10.6	10.7	11.6	12.6	13.0	12.6	13.1	15.1	11.8	..	14.9	12.3
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	22.8	20.6	19.3	19.0	17.7	17.6	15.2	14.9	13.6	13.5	13.8	27.4	17.0	16.8
Tunisia	10.2	16.6	15.3	14.9	15.6	16.0	13.5	12.4	11.4	10.2	9.9	12.9	15.3	13.9
ALL AFRICA		11.6	11.3	11.4	12.4	13.5	13.3	13.0	13.0	13.0	11.2	9.0	11.1	12.4

Note: 2000 data are preliminary (see page 2). Total revenue does not include grants. Nigeria's fiscal data are for consolidated government starting from 1992.

## 7-11. Indirect taxes

	Percentage of total revenue										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		43.3	40.5	41.6	42.9	43.8	43.4	45.2	47.3	46.7	45.1	44.8	42.5	43.9
excluding South Africa		47.7	44.0	44.3	45.9	48.1	48.1	52.1	54.5	51.7	49.3		46.7	48.5
excl. S Africa & Nigeria		57.4	52.9	53.3	55.2	57.8	57.9	59.3	59.4	58.9	57.2	56.9	56.6	57.0
Angola	..	34.5	32.7	31.9	25.5	7.3	6.6	9.4	17.2	7.2	5.5	..	19.5	18.3
Benin	..	72.8	74.8	72.0	66.1	59.6	56.0	63.8	63.1	64.4	67.2	67.4	94.7	68.4
Botswana	..	68.6	66.5	63.6	70.8	68.8	66.1	63.7	65.7	63.3	64.1	70.8	72.4	66.6
Burkina Faso	..	53.1	49.8	51.2	71.2	66.8	65.6	67.4	69.7	68.3	61.9	61.9	68.6	62.1
Burundi	53.8	63.4	60.1	59.6	64.4	63.3	50.4	60.7	61.6	64.9	68.1	50.3	58.7	61.7
Cameroon	61.6	46.0	46.5	52.7	59.5	61.0	58.9	79.1	77.8	72.9	77.8	40.4	39.9	62.2
Cape Verde	..	56.0	55.4	47.3	45.9	46.6	51.8	40.4	46.6	38.5	59.4	45.4	46.9	49.0
Central African Republic	..	68.1	69.4	70.4	66.4	75.1	74.8	74.8	75.2	68.1	68.9	..	..	71.4
Chad	..	53.2	53.6	54.0	67.5	49.7	49.7	55.0	54.9	49.7	50.6	71.0	71.5	55.9
Comoros	..	65.0	71.5	78.5	76.3	74.0	78.1	82.1	70.7	69.7	71.1	62.7	71.1	71.6
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	35.6	46.1	45.7	30.7	41.7	35.7	20.1	43.5	25.5	20.5	13.8	36.2	35.5
Côte d'Ivoire	..	65.7	63.8	64.6	65.2	63.0	64.0	60.9	58.6	65.0	60.1	48.6	56.2	62.8
Djibouti	..	..	55.5	55.9	56.6	55.7	51.5	50.5	48.3	54.8	54.5	..	..	53.7
Equatorial Guinea	..	..	..	..	61.2	62.4	35.1	32.2	19.4	18.1	11.2	..	..	34.2
Eritrea	..	..	47.9	38.0	35.9	28.5	32.5	24.9	26.6	24.5	25.1	..	..	31.5
Ethiopia	..	45.2	43.2	46.0	54.1	43.4	42.6	45.9	42.0	41.4	43.3	46.7	38.8	44.2
Gabon	..	35.9	35.1	37.0	26.7	26.1	25.3	24.2	27.5	37.2	30.1	..	73.4	31.0
Gambia, The	..	80.7	76.5	74.0	70.7	70.6	71.2	68.3	68.1	65.1	64.9	75.9	77.8	71.9
Ghana	..	59.8	56.3	53.7	68.7	54.5	63.9	55.5	55.4	47.6	62.5	63.8	66.0	58.8
Guinea	..	89.9	85.9	86.2	84.1	84.6	82.6	83.5	83.7	82.5	81.1	..	92.1	84.9
Guinea-Bissau	..	42.4	29.0	41.3	48.5	46.8	47.0	43.8	53.0	49.8	54.7	78.1	46.5	44.6
Kenya	60.9	55.7	57.7	57.3	54.1	52.3	52.8	54.4	55.5	55.4	55.6	60.7	59.4	55.1
Lesotho	..	70.3	70.6	71.3	73.5	71.0	65.8	62.5	63.7	61.1	61.5	63.6	77.1	68.0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	58.1	66.6	60.6	68.9	80.8	73.3	75.4	74.3	80.3	80.3	50.6	61.5	70.7
Malawi	0.0	34.7	32.8	46.4	55.5	58.7	54.8	57.8	51.6	48.9	52.8	0.0	11.7	47.8
Mali	71.7	62.4	63.3	66.9	68.0	64.6	65.3	66.9	72.9	71.8	69.8	67.3	50.0	65.0
Mauritania	..	47.8	47.0	45.3	48.1	45.8	41.3	38.9	39.2	38.2	37.5	..	49.7	43.2
Mauritius	66.0	68.1	71.4	71.2	65.7	68.3	65.4	67.7	67.4	70.8	70.3	64.5	73.5	69.1
Mozambique	65.7	67.3	71.3	76.7	71.3	74.7	73.6	72.6	74.5	78.4	78.4	53.8	58.1	73.7
Namibia	..	62.1	59.7	60.1	58.8	61.6	60.5	56.7	56.7	58.7	59.2	69.9	53.4	58.7
Niger	..	54.1	47.9	56.1	59.1	60.9	61.4	64.9	64.9	67.8	66.7	65.3	54.9	59.8
Nigeria	..	..	..	..	..	..	..	17.0	30.0	16.6	10.4	..	..	18.5
Rwanda	..	66.0	64.3	67.5	73.5	81.4	65.8	69.5	67.1	70.2	68.3	86.9	83.5	68.7
São Tomé and Príncipe	..	52.9	59.3	63.4	64.5	45.1	46.0	38.6	35.7	65.2	66.3	..	38.7	53.2
Senegal	67.7	57.2	60.0	73.0	76.7	74.3	77.2	71.0	72.1	75.7	72.7	67.8	59.8	70.0
Seychelles	..	56.5	60.6	56.7	48.7	46.2	47.0	48.3	46.3	43.5	47.2	49.1	52.0	50.8
Sierra Leone	..	76.4	76.1	69.0	70.7	76.9	76.0	73.1	74.2	66.1	65.8	..	74.2	72.7
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	29.0	38.4	36.6	38.6	39.5	39.1	38.1	37.4	39.3	41.1	40.3	30.7	38.1	38.9
Sudan	..	51.7	..	..	..	50.3	56.3	62.1	60.7	57.0	31.6	66.7	63.0	52.8
Swaziland	..	59.0	55.7	60.2	63.8	68.9	68.0	67.1	65.8	67.3	68.2	..	..	64.4
Tanzania	..	49.0	46.8	35.0	37.8	49.5	48.2	55.2	51.9	55.1	51.8	59.6	61.1	47.7
Togo	..	56.8	45.0	49.8	50.4	50.0	57.2	53.4	63.3	63.6	67.1	43.4	46.1	55.2
Uganda	..	83.6	80.2	77.5	78.5	77.7	80.7	80.1	78.5	75.5	73.9	86.8	82.5	78.9
Zambia	..	70.9	62.5	68.0	64.4	62.7	62.1	62.6	61.5	61.0	56.6	..	63.9	64.3
Zimbabwe	0.0	46.1	44.0	39.1	40.3	42.7	44.6	44.2	44.6	42.7	43.3	9.2	42.6	43.0
NORTH AFRICA		41.0	40.0	41.3	41.2	43.3	41.2	40.8	42.2	42.0	38.2		44.4	41.2
Algeria	25.3	28.5	25.6	28.5	27.7	29.9	27.0	25.1	31.2	25.6	16.9	29.6	36.0	26.9
Egypt, Arab Republic	..	31.8	32.9	34.7	36.8	39.7	40.3	40.2	42.2	44.4	41.1	..	34.0	38.0
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	66.8	66.5	64.4	64.2	65.4	66.5	60.9	60.5	54.4	57.2	57.8	63.7	69.1	62.0
Tunisia	42.3	61.1	60.2	58.2	49.1	50.2	47.4	49.9	50.5	50.7	50.5	42.6	52.0	53.3
ALL AFRICA		42.5	40.3	41.5	42.3	43.6	42.6	43.7	45.5	45.1	42.7	45.1	43.4	43.0

Note: 2000 data are preliminary (see page 2). Total revenue does not include grants. Nigeria's fiscal data are for consolidated government starting from 1992.



## 7-12. Nontax revenue (excluding grants)

	Percentage of total revenue										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>		11.3	12.2	13.6	12.8	13.9	13.1	19.1	15.3	17.0	17.2	13.4	11.0	14.2
excluding South Africa		16.0	16.6	14.4	12.2	13.8	12.6	25.0	20.5	23.5	26.1		14.0	17.7
excl. S. Africa & Nigeria		19.3	20.0	17.3	14.7	16.6	15.2	15.3	15.4	14.5	17.8	19.2	17.0	16.6
Angola	..	19.3	1.8	1.8	1.6	1.0	0.5	1.4	1.6	0.6	0.4	..	32.9	3.8
Benin	..	23.2	23.0	18.1	16.3	19.3	17.0	12.7	13.4	14.5	12.1	6.3	48.6	18.7
Botswana	..	22.4	26.9	31.5	22.9	25.1	29.4	32.3	30.5	31.9	..	17.0	19.5	27.4
Burkina Faso	..	23.5	25.8	26.8	8.3	8.4	6.9	7.7	7.2	6.7	7.5	19.9	14.3	12.4
Burundi	6.7	30.1	29.9	33.0	9.4	11.6	14.7	17.1	8.5	4.7	4.7	8.5	13.2	17.8
Cameroon	16.7	36.7	35.5	10.5	7.5	8.2	9.3	7.4	8.1	6.3	5.6	32.7	10.4	12.6
Cape Verde	..	64.1	97.9	58.9	60.6	37.5	27.6	8.8	26.9	11.9	11.1	25.1	97.9	42.7
Central African Republic	..	8.0	7.9	6.6	9.2	4.3	0.9	5.7	10.7	12.0	9.9	..	..	7.1
Chad	..	67.2	44.6	35.2	59.4	43.7	39.8	21.9	31.4	19.7	14.8	21.4	10.5	34.7
Comoros	..	21.4	17.4	12.6	11.3	13.7	12.3	6.7	14.6	13.0	11.7	0.0	20.8	14.9
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	1.7	1.9	2.9	6.3	9.2	3.2	1.2	2.9	2.4	1.4	68.5	34.0	3.2
Côte d'Ivoire	..	13.4	15.9	16.0	19.9	18.7	15.5	19.5	21.4	12.8	15.6	33.6	24.2	17.0
Djibouti	..	..	5.7	5.4	5.0	7.2	7.5	10.4	..	..	..	..	..	6.8
Equatorial Guinea	..	..	..	..	19.2	21.4	12.0	6.0	4.1	5.5	5.8	..	..	10.6
Eritrea	..	..	39.1	41.9	30.8	45.8	40.0	51.7	34.2	29.4	37.3	..	..	38.9
Ethiopia	..	24.1	26.7	30.9	21.9	34.4	32.2	28.8	35.0	35.4	31.8	24.7	32.4	30.2
Gabon	..	2.8	5.3	4.8	3.1	2.9	4.6	4.3	6.7	4.6	56.1	..	5.2	9.1
Gambia, The	..	16.9	21.1	18.6	16.4	9.8	8.9	10.6	12.7	12.0	12.6	9.5	41.0	13.9
Ghana	..	25.6	29.1	31.5	13.8	28.2	14.4	21.5	23.2	14.5	20.2	17.5	11.0	20.9
Guinea	..	5.9	7.3	6.8	7.1	6.3	6.5	6.8	6.6	6.3	9.1	..	6.3	6.9
Guinea-Bissau	..	74.5	93.9	65.6	50.6	98.5	53.7	85.8	90.9	50.2	83.7	248.0	136.2	76.3
Kenya	16.5	17.4	18.2	13.5	11.5	13.3	14.0	12.5	12.6	15.5	16.0	15.4	12.4	14.6
Lesotho	..	13.8	12.6	13.3	12.6	13.0	18.3	22.7	20.6	21.0	20.5	21.9	11.9	16.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	20.1	23.1	21.0	15.5	7.5	17.2	27.4	12.8	11.2	10.6	13.4	13.7	17.6
Malawi	16.2	13.8	18.0	20.7	12.2	11.7	7.5	7.5	9.0	13.1	8.2	16.6	18.0	12.4
Mali	12.9	24.8	22.4	20.1	15.4	16.2	16.1	14.5	4.4	10.0	5.6	15.0	37.3	17.5
Mauritania	..	22.8	22.5	27.9	25.9	24.0	38.9	39.6	39.4	41.8	44.5	..	16.6	31.8
Mauritius	12.5	11.7	9.3	9.9	11.5	5.4	14.7	13.1	11.8	9.5	10.2	11.6	9.8	10.2
Mozambique	24.6	47.7	59.5	41.3	62.4	41.3	35.4	46.1	43.5	60.6	48.9	33.1	36.8	48.2
Namibia	..	13.1	13.9	9.9	12.2	11.0	10.7	9.1	9.5	8.8	8.6	10.8	12.2	10.8
Niger	..	26.3	29.3	47.8	46.3	30.1	41.2	34.0	37.1	19.2	24.9	12.7	21.2	33.5
Nigeria	..	..	..	..	..	..	..	73.0	46.1	67.8	66.9	..	..	63.5
Rwanda	..	57.2	73.0	77.8	25.7	172.1	87.7	70.5	55.1	65.4	97.8	12.5	15.3	74.8
São Tomé and Príncipe	..	119.2	34.0	27.7	31.2	63.9	43.7	38.6	25.4	39.0	31.9	..	86.9	52.9
Senegal	6.0	19.8	15.8	3.6	2.2	3.8	1.2	7.2	4.6	3.1	4.4	6.5	16.5	7.4
Seychelles	..	9.0	13.5	8.6	21.7	18.9	26.2	23.7	25.4	25.8	21.2	28.3	29.6	18.3
Sierra Leone	..	0.0	0.0	9.3	7.9	7.2	21.2	23.9	37.7	56.6	61.1	..	0.0	20.4
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	12.4	6.0	7.3	12.8	13.6	13.9	13.6	12.6	9.4	9.8	7.3	11.2	7.7	10.3
Sudan	..	29.9	28.1	22.5	23.6	21.0	15.4	14.7	19.4	25.4	51.8	14.4	22.1	25.5
Swaziland	..	8.9	10.1	6.3	4.1	3.0	3.5	6.1	8.0	7.1	6.1	..	..	6.3
Tanzania	..	9.6	9.8	8.0	6.9	9.5	14.4	10.1	8.6	10.6	10.4	6.8	7.4	9.9
Togo	..	12.7	24.5	17.4	8.3	7.7	11.0	8.4	9.1	11.5	9.9	22.2	19.7	12.5
Uganda	..	6.3	7.1	8.0	6.9	7.7	6.1	5.9	5.9	6.6	8.1	6.6	9.7	7.0
Zambia	..	2.1	4.5	3.4	6.8	8.4	8.0	5.4	3.4	2.6	11.0	..	8.6	5.2
Zimbabwe	0.0	9.8	10.0	12.2	12.0	11.4	9.7	8.2	7.4	4.9	6.3	2.2	11.9	9.4
<b>NORTH AFRICA</b>		18.5	17.1	19.6	18.9	17.2	17.6	16.4	16.3	15.5	13.7		18.1	16.4
Algeria	2.6	1.7	2.0	2.8	3.1	1.5	1.8	2.2	2.4	4.6	1.0	6.0	12.4	2.4
Egypt, Arab Republic	..	35.4	31.2	35.0	34.3	33.5	32.0	31.4	29.3	26.1	25.2	..	26.7	30.7
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	10.4	9.2	9.0	12.6	12.1	9.5	13.6	13.7	15.1	14.2	13.3	11.6	8.1	11.9
Tunisia	24.9	22.2	23.2	23.8	19.8	16.4	17.2	11.8	10.5	10.5	8.9	25.8	25.0	16.8
<b>ALL AFRICA</b>		13.9	13.9	15.7	14.9	15.0	14.9	18.3	15.6	16.5	16.0	13.1	12.9	15.1

Note: 2000 data are preliminary (see page 2). Nigeria's fiscal data are for consolidated government starting from 1992.

## 7-13. Government expenditure: wages and salaries

	Percentage of total expenditure and lending minus repayments										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		24.6	31.1	30.3	27.9	27.4	27.4	27.6	165.1	26.6	23.9	20.9	14.6	39.6
excluding South Africa		25.8	25.4	26.9	22.3	21.7	22.3	22.4	22.0	22.6	22.5		21.8	23.5
excl. S. Africa & Nigeria		25.8	25.4	26.9	24.8	23.7	24.0	25.3	24.9	25.0	23.9	20.6	21.8	25.0
Angola	..	52.7	24.4	21.5	8.7	11.1	14.8	16.1	22.1	6.7	9.6	..	45.5	21.2
Benin	..	37.1	33.0	35.5	27.8	24.3	26.4	26.5	28.7	25.6	23.2	..	38.5	29.5
Botswana	..	..	..	22.8	25.0	24.1	22.8	20.1	21.3	21.5	21.7	..	..	22.4
Burkina Faso	..	31.9	30.8	29.0	26.2	24.9	23.4	20.9	19.7	18.8	20.4	..	..	25.9
Burundi	49.1	26.1	23.0	23.7	30.0	28.0	28.7	32.2	29.3	26.0	27.7	49.0	27.7	27.2
Cameroon	31.4	38.4	42.0	43.7	31.4	29.1	25.8	26.9	27.7	26.9	28.7	24.8	29.0	32.7
Cape Verde	..	28.3	20.0	22.1	19.2	20.2	24.1	23.8	22.1	30.0	22.0	0.0	14.8	23.5
Central African Republic	..	..	..	..	24.2	22.5	41.8	32.6	24.2	23.3	21.1	..	..	27.1
Chad	..	25.1	21.1	27.1	28.0	28.6	20.3	19.4	20.6	19.0	19.7	..	15.0	22.6
Comoros	..	32.0	27.7	30.8	23.2	28.3	35.5	37.1	34.2	32.7	34.6	0.0	5.8	31.5
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	43.8	47.5	48.8	36.3	32.1	24.8	20.4	20.8	21.2	18.2	0.0	33.3	31.3
Côte d'Ivoire	..	34.3	35.5	35.6	28.6	26.0	28.0	27.1	26.1	28.4	33.3	..	28.1	30.7
Djibouti	..	..	46.6	48.0	56.4	61.6	60.3	62.2	49.3	47.1	46.1	..	..	53.1
Equatorial Guinea	..	11.6	12.7	10.8	16.4	17.9	17.3	15.3	11.3	17.6	15.6	..	15.4	14.3
Eritrea	..	..	18.6	15.0	23.0	24.3	28.5	27.4	19.9	17.5	20.2	..	..	21.6
Ethiopia	..	33.8	28.0	28.3	24.8	22.6	20.6	21.7	23.4	19.7	19.1	25.1	22.5	24.5
Gabon	..	32.4	34.4	34.0	27.9	27.4	27.3	21.4	16.1	29.8	25.8	16.2	25.1	28.1
Gambia, The	..	21.0	19.5	21.1	23.3	21.8	20.3	24.4	28.4	27.0	28.6	..	17.6	23.3
Ghana	..	22.8	24.8	20.2	18.3	18.3	18.2	18.4	19.4	21.6	18.9	17.6	25.6	20.4
Guinea	..	20.0	23.1	24.2	25.1	23.9	27.1	23.8	27.6	25.2	23.1	..	13.2	24.3
Guinea-Bissau	..	10.3	8.0	8.1	7.5	9.2	9.5	6.8	18.8	15.9	16.6	10.4	13.1	10.9
Kenya	16.8	21.2	27.7	23.7	22.8	21.6	16.8	17.6	17.9	17.0	14.6	19.2	23.6	20.1
Lesotho	..	27.2	29.1	..	..	..	..	..	..	..	..	32.1	32.7	26.1
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	25.9	18.4	17.0	16.4	18.8	14.5	21.3	20.4	24.0	21.9	40.5	34.1	20.5
Malawi	14.3	18.0	18.3	21.6	18.3	22.7	19.6	23.5	17.4	16.7	15.8	16.4	16.3	19.0
Mali	16.5	21.9	22.6	23.0	16.7	16.6	16.1	16.4	15.8	15.6	16.6	19.8	25.0	18.5
Mauritania	..	20.7	23.2	15.4	19.0	20.3	20.3	21.2	19.3	18.6	16.0	..	16.4	19.1
Mauritius	26.3	27.9	28.0	31.7	32.2	31.1	28.8	29.0	28.5	27.9	26.4	29.1	29.8	29.1
Mozambique	25.8	10.6	9.9	10.4	7.9	9.6	10.8	15.4	20.5	23.0	23.3	19.2	12.2	13.7
Namibia	..	45.6	47.1	45.2	45.7	45.8	47.3	46.7	46.1	46.1	45.2	19.0	22.5	45.3
Niger	..	34.9	37.4	38.3	29.4	36.1	25.5	26.1	20.7	22.8	25.2	18.8	21.2	29.1
Nigeria	..	..	..	..	10.8	12.2	13.7	8.2	7.8	11.1	15.2	..	..	11.3
Rwanda	..	23.9	22.1	24.1	25.0	19.5	20.1	26.2	24.6	27.1	27.8	..	..	24.4
São Tomé and Príncipe	..	11.6	10.1	7.8	7.0	4.3	6.0	8.4	11.3	10.9	12.4	..	12.0	9.3
Senegal	39.7	46.8	40.4	41.4	35.0	35.4	32.7	33.1	29.5	27.3	28.2	38.8	41.9	35.4
Seychelles	..	25.7	27.2	20.9	26.9	32.0	27.7	26.2	21.8	24.8	25.0	..	..	25.8
Sierra Leone	..	8.2	10.1	18.5	20.9	17.3	20.2	25.4	23.8	27.5	23.4	..	8.6	18.4
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	17.2	23.5	36.3	33.4	33.7	33.8	33.1	33.4	325.1	31.1	25.5	17.7	21.2	57.4
Sudan	..	..	..	17.1	..	12.0	22.6	31.2	33.5	35.4	27.6	..	..	25.6
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	..	20.0	19.3	19.0	21.7	22.8	26.2	31.2	28.6	24.4	24.4	20.9	21.3	23.5
Togo	..	36.1	38.8	41.2	36.0	35.5	35.8	35.8	31.5	34.5	34.2	27.1	25.7	35.3
Uganda	..	8.8	8.2	8.7	10.3	15.1	16.9	20.3	20.7	23.3	20.1	10.9	11.9	14.5
Zambia	..	21.3	25.4	17.7	16.1	20.2	20.5	25.1	19.0	19.2	17.1	..	..	20.4
Zimbabwe	103.4	32.3	30.0	29.5	29.1	29.2	32.0	35.5	35.5	34.3	30.6	75.2	29.0	32.0
NORTH AFRICA		26.0	26.3	26.3	27.3	27.9	28.0	28.9	29.8	29.4	28.0		27.3	27.9
Algeria	15.5	27.5	29.1	27.3	29.1	28.5	28.4	27.3	29.3	28.8	23.9	15.3	27.0	28.7
Egypt, Arab Republic	..	15.6	15.8	18.8	19.7	21.5	22.0	23.0	24.1	22.7	24.0	..	17.2	20.3
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	33.1	39.0	37.4	34.4	37.5	38.1	38.1	39.7	39.1	38.7	37.0	32.0	36.0	37.8
Tunisia	34.7	34.2	35.7	35.5	30.1	30.3	29.1	34.1	35.1	37.4	36.8	31.4	34.0	33.8
ALL AFRICA		25.1	29.3	28.8	27.6	27.6	27.6	28.0	118.1	27.6	25.3	22.1	18.9	35.5

Note: 2000 data are preliminary (see page 2). Nigeria's fiscal data are for consolidated government starting from 1992.

## 7-14. Government expenditure: trends in real wages and salaries

	Index 1987=100										Annual Average			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		156	141	146	130	117	108	111	113	125	140		109	131
excluding South Africa		161	139	144	125	108	108	109	115	123	125		105	128
excl S Africa & Nigeria		129	116	120	101	84	91	90	96	102	102		95	105
Angola	..	106	62	19	39	43	72	78	51	46	68	..	89	65
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	..	121	117	119	106	104	103	108	114	128	135	..	103	117
Burundi	..	124	125	126	117	102	96	82	83	88	80	99	101	104
Cameroon	..	106	105	101	67	50	47	51	60	62	65	70	98	74
Cape Verde	..	125	121	149	158	170	174	169	175	205	225	..	98	161
Central African Republic	..	106	103	100	90	76	71	74	75	78	76	..	102	86
Chad	..	154	162	195	212	206	153	144	141	167	189	..	112	172
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	138	149	144	97	76	65	57	55	52	55	..	94	89
Côte d'Ivoire	..	91	87	80	63	62	67	67	67	67	68	0	99	74
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	121	126	131	113	118	176	220	266	414	332	..	103	193
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	114	68	77	91	86	95	105	124	132	141	106	103	105
Gabon	..	113	130	148	111	116	114	118	120	131	117	86	101	121
Gambia, The	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghana	..	110	162	173	181	164	159	153	163	176	172	..	82	156
Guinea	..	230	223	247	246	248	269	262	263	270	268	..	165	249
Guinea-Bissau	..	134	108	95	85	93	105	99	106	132	185	..	104	113
Kenya	..	138	156	120	110	117	91	94	95	91	88	60	101	113
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	97	87	87	80	75	74	93	109	120	111	..	98	93
Malawi	..	96	116	121	162	147	118	150	140	135	137	92	91	128
Mali	..	98	102	102	89	85	84	95	98	106	120	..	93	97
Mauritania	..	99	99	97	97	95	97	100	105	107	118	..	102	101
Mauritius	95	110	106	128	132	131	133	140	148	149	150	92	101	130
Mozambique	..	156	152	179	151	147	149	279	403	559	637	240	126	268
Namibia	..	198	209	205	203	218	250	255	265	278	274	74	95	228
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	..	209	180	289	224	180	185	192	213	487	927	..	131	300
Rwanda	..	101	102	104	26	43	56	76	71	87	89	..	97	78
São Tomé and Príncipe	..	70	69	57	78	65	91	154	165	189	195	..	84	111
Senegal	..	119	119	115	98	95	96	93	93	95	99	115	104	103
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	..	113	124	234	232	191	209	169	228	248	306	409	142	197
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	..	117	119	146	148	163	178	188	183	171	209	136	110	159
Togo	..	122	111	110	105	96	94	95	97	94	93	98	100	102
Uganda	..	179	250	255	322	488	560	705	751	1,003	1,034	..	133	515
Zambia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zimbabwe	..	139	116	106	108	113	126	152	147	156	172	95	104	134
NORTH AFRICA		122	120	116	126	128	134	144	151	161	162		108	135
Algeria	56	113	115	115	112	107	107	109	117	123	124	57	95	113
Egypt, Arab Republic	..	100	93	103	106	110	115	118	126	140	153	..	102	115
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	36	130	129	121	134	134	141	154	161	169	165	61	106	142
Tunisia	..	117	125	130	125	130	139	158	167	188	195	96	101	144
ALL AFRICA		157	147	152	139	125	116	119	123	134	149		112	138

Note: 2000 data are preliminary (see page 2). Nigeria's fiscal data are for consolidated government starting from 1992.

## 7-15. Government expenditure: other goods and services

	Percentage of total expenditure and lending minus repayments											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		-3.5	-9.9	-6.8	25.2	23.5	24.1	25.5	-113.7	26.4	30.0	-7.3	4.2	1.6
excluding South Africa		18.4	18.6	22.1	25.2	21.6	20.3	22.5	22.1	22.3	22.6		19.2	21.2
excl S Africa & Nigeria		18.4	18.6	22.1	20.3	22.4	21.3	22.4	22.4	23.0	23.4	17.4	19.2	21.1
Angola	..	17.1	10.9	43.1	41.0	55.0	5.7	22.1	43.9	44.5	45.9	..	26.4	31.7
Benin	..	8.2	7.6	8.4	6.3	5.2	7.6	6.9	7.5	7.1	6.0	..	7.4	7.1
Botswana	..	..	..	36.0	41.0	42.3	42.3	37.3	39.5	39.8	39.4	..	..	39.7
Burkina Faso	..	7.7	8.6	10.7	12.0	10.8	9.8	8.7	9.4	8.6	9.4	..	..	9.3
Burundi	28.0	15.6	12.4	20.4	21.3	24.0	20.9	33.2	27.0	30.1	31.0	22.6	16.9	23.0
Cameroon	22.9	12.5	10.5	10.7	7.5	15.8	16.0	16.4	14.5	16.3	18.7	20.3	13.7	14.2
Cape Verde	..	3.7	2.5	1.8	1.6	1.5	1.6	3.3	1.6	3.3	1.6	23.4	8.8	2.4
Central African Republic	..	..	..	..	13.9	10.0	12.6	15.7	10.3	11.4	10.5	..	..	12.1
Chad	..	34.4	26.4	26.3	14.4	11.7	22.1	19.2	22.3	25.2	18.5	..	18.5	22.0
Comoros	..	22.2	19.7	26.4	20.3	22.4	17.8	14.3	14.8	23.6	23.7	0.0	4.1	20.5
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	10.7	10.4	9.1	8.1	7.7	7.2	24.4	36.1	19.2	19.1	24.5	10.3	14.6
Côte d'Ivoire	..	23.3	22.4	22.2	21.7	21.8	23.2	23.0	20.8	25.9	22.5	..	31.6	22.9
Djibouti	..	..	29.2	29.2	24.2	22.0	19.0	14.9	21.4	32.6	31.1	..	..	24.9
Equatorial Guinea	..	10.1	14.6	10.1	20.3	25.2	23.8	30.6	16.0	23.9	43.1	..	18.8	20.7
Eritrea	..	..	71.0	44.1	49.8	43.2	39.8	25.8	45.1	40.3	44.2	..	..	44.8
Ethiopia	..	29.1	22.1	25.7	25.0	25.3	23.1	25.5	31.8	40.3	51.5	30.5	32.0	30.4
Gabon	..	21.0	20.5	19.4	19.2	17.3	21.1	24.5	36.8	21.9	20.9	13.8	20.4	22.4
Gambia, The	..	21.1	23.5	25.5	25.1	18.9	19.7	16.4	13.4	18.5	-0.1	..	19.5	18.3
Ghana	..	13.1	10.0	12.6	10.5	8.1	7.2	6.9	7.5	9.0	9.3	34.5	15.4	9.7
Guinea	..	18.7	15.6	13.9	13.2	11.3	11.7	11.6	13.6	11.6	12.4	..	26.5	13.4
Guinea-Bissau	..	13.1	10.7	9.4	12.6	11.9	10.0	8.4	18.5	18.5	17.2	0.0	13.8	13.2
Kenya	27.6	23.1	24.4	19.6	13.8	15.8	22.2	22.0	22.0	26.3	32.0	30.1	28.5	22.0
Lesotho	..	19.0	23.7	..	..	..	..	..	..	..	..	19.9	23.6	19.9
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	12.5	21.6	16.6	15.8	6.4	24.1	15.8	10.2	12.0	11.0	-11.5	-5.8	13.2
Malawi	0.0	50.5	49.1	37.3	41.4	29.1	31.6	36.6	24.9	30.0	25.1	0.0	0.0	36.4
Mali	13.0	8.3	9.8	10.2	10.6	12.2	11.7	13.0	12.4	13.2	13.1	15.8	4.7	10.6
Mauritania	..	17.7	18.9	14.4	17.6	20.1	20.0	21.8	20.8	22.5	18.5	..	8.8	18.6
Mauritius	8.5	9.1	10.4	9.6	9.4	9.5	9.1	8.8	8.6	8.5	8.6	7.6	8.1	9.1
Mozambique	44.2	29.0	31.5	29.3	33.8	22.4	28.3	23.6	23.1	20.1	17.8	36.0	34.2	26.4
Namibia	..	28.4	26.3	24.7	25.4	24.2	21.4	20.8	19.8	20.0	19.3	15.8	21.8	23.2
Niger	..	12.5	21.3	15.3	18.8	17.9	21.3	22.9	24.3	25.3	22.5	13.8	14.9	19.9
Nigeria	..	..	..	..	48.1	17.7	15.1	23.1	20.9	18.5	18.3	..	..	23.1
Rwanda	..	28.0	30.9	24.8	26.4	25.0	26.3	20.3	26.7	27.3	26.7	..	..	26.0
São Tomé and Príncipe	..	3.2	4.7	3.7	5.0	4.6	5.0	5.0	5.5	5.5	5.6	..	16.6	4.7
Senegal	22.9	9.8	21.1	11.9	11.8	11.4	11.0	10.8	13.0	13.0	15.6	17.9	15.5	13.1
Seychelles	..	30.9	31.5	25.1	30.6	24.6	18.8	22.2	17.2	14.3	19.5	..	..	24.1
Sierra Leone	..	38.0	38.8	31.2	35.4	51.6	35.9	44.1	19.3	23.6	25.2	..	35.5	35.2
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	25.1	25.7	28.5	28.9	-265.6	31.1	38.2	..	..	-12.6
Sudan	..	..	..	37.4	..	47.5	36.0	47.8	38.4	33.1	30.6	..	..	38.7
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	..	40.2	36.2	30.7	30.4	28.9	24.2	23.7	21.1	26.0	23.4	30.5	31.5	28.5
Togo	..	19.0	17.0	19.0	16.3	18.9	22.9	20.8	22.9	24.4	22.0	-27.1	-25.7	20.3
Uganda	..	31.9	31.8	26.6	29.7	33.9	33.1	33.8	32.2	31.0	27.3	35.0	45.2	32.3
Zambia	..	19.1	24.5	20.3	22.3	22.5	21.2	18.3	20.3	15.2	11.9	..	..	19.2
Zimbabwe	-103.4	15.1	16.9	19.4	18.1	16.9	16.5	14.1	13.2	14.6	17.9	-69.3	16.7	16.3
NORTH AFRICA		9.8	10.5	11.7	10.7	11.1	11.2	11.6	11.8	10.6	10.9		10.9	10.9
Algeria	2.9	3.1	3.7	4.0	3.6	4.7	4.6	5.1	5.4	5.5	4.6	2.9	2.1	4.3
Egypt, Arab Republic	..	12.4	13.0	15.3	15.5	16.1	15.9	16.3	16.3	13.8	15.0	..	15.1	14.9
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	17.6	14.2	15.9	16.9	14.3	13.7	14.5	15.7	16.0	15.2	14.6	40.9	14.7	14.8
Tunisia	13.1	11.0	10.9	10.7	6.5	6.1	6.9	5.9	5.7	5.0	6.3	11.7	12.1	7.8
ALL AFRICA		1.4	-2.4	0.1	20.0	19.2	19.7	20.7	-70.1	20.9	23.3	-1.6	6.1	-4.9

Note: 2000 data are preliminary (see page 2). Nigeria's fiscal data are for consolidated government starting from 1992.

## 7-16. Government expenditure: interest payments

	Percentage of total expenditure and lending minus repayments											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		7.2	6.6	7.3	14.1	10.1	9.1	7.6	16.7	16.0	15.6	3.5	5.8	10.6
excluding South Africa		15.1	13.7	15.2	27.4	19.1	17.3	14.4	13.4	14.9	14.5		12.7	16.2
excl S Africa & Nigeria		15.1	13.7	15.2	26.0	17.1	16.4	14.7	13.7	13.5	14.0	11.2	12.7	15.7
Angola	..	15.0	8.9	15.5	384.9	16.1	20.9	5.6	12.3	10.7	10.5	..	5.4	46.4
Benin	..	13.8	17.5	15.0	15.9	12.6	12.4	9.0	6.2	5.2	4.4	..	15.6	11.6
Botswana	..	..	..	..	..	..	..	-0.2	-1.1	0.0	0.2	..	..	-0.3
Burkina Faso	..	6.5	6.9	6.9	6.9	6.6	4.2	3.6	3.5	3.1	3.8	..	..	5.2
Burundi	2.0	6.1	6.4	5.0	6.0	6.9	6.7	8.9	10.2	11.2	12.3	5.3	8.9	7.9
Cameroon	2.0	17.6	23.4	24.1	36.5	39.5	41.8	37.8	32.0	27.6	24.9	2.9	5.7	28.6
Cape Verde	..	3.8	2.6	2.5	1.9	6.2	8.4	9.6	8.5	3.9	6.0	0.0	3.1	5.3
Central African Republic	..	..	..	..	10.8	11.1	17.2	9.6	7.6	7.8	10.2	..	..	10.6
Chad	..	4.1	3.8	5.8	6.1	5.6	5.6	5.3	5.5	4.8	5.1	..	1.0	4.9
Comoros	..	3.7	2.9	3.7	3.1	3.0	3.3	3.8	4.6	4.8	5.4	0.0	0.8	3.9
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	22.5	21.6	20.1	33.0	43.0	36.5	32.2	34.0	35.4	27.4	0.0	13.0	30.5
Côte d'Ivoire	..	33.2	32.7	29.0	29.1	25.8	23.2	20.2	18.0	19.9	21.9	..	22.7	25.6
Djibouti	..	..	1.1	0.8	0.8	1.5	2.0	1.4	1.0	0.9	2.3	..	..	1.3
Equatorial Guinea	..	12.7	16.7	13.7	26.0	24.0	15.6	8.7	5.5	8.5	3.4	..	17.8	13.3
Eritrea	..	..	0.0	0.1	0.2	0.6	1.3	1.9	1.6	2.0	2.9	..	..	1.2
Ethiopia	..	5.4	7.3	10.2	13.5	10.0	9.0	9.2	7.4	6.4	6.5	3.4	5.1	8.1
Gabon	..	22.6	22.5	24.4	26.4	30.9	25.6	20.1	15.9	26.8	25.4	6.6	14.1	24.0
Gambia, The	..	13.8	12.9	14.8	14.8	14.1	14.2	19.5	23.7	22.2	20.8	..	13.4	16.9
Ghana	..	9.2	8.9	12.0	14.2	13.9	17.2	21.7	17.9	21.4	27.0	11.4	8.3	15.6
Guinea	..	10.3	8.5	7.2	9.0	8.1	8.1	9.3	9.8	9.6	10.1	..	12.1	9.0
Guinea-Bissau	..	11.7	9.7	14.3	15.2	21.9	19.7	11.9	27.4	20.3	13.9	1.1	7.5	15.9
Kenya	10.1	28.8	28.1	40.6	36.2	26.4	23.7	21.7	20.9	17.7	12.5	13.9	18.0	25.8
Lesotho	..	..	..	7.1	6.0	3.8	3.5	3.6	4.2	5.3	6.2	..	..	5.0
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	12.0	15.9	18.3	26.4	30.1	21.6	17.5	13.7	11.8	12.9	11.2	12.4	17.3
Malawi	9.1	11.0	9.3	11.9	10.3	20.5	22.9	14.1	12.9	11.7	14.0	12.9	18.6	13.9
Mali	4.1	6.3	7.3	6.9	9.0	6.1	4.8	4.1	3.1	3.4	3.8	4.8	6.6	5.8
Mauritania	..	9.2	12.2	11.1	10.4	13.0	13.4	13.0	14.0	13.9	10.2	..	8.2	11.5
Mauritius	13.7	15.3	12.2	11.7	13.0	13.8	14.3	15.9	14.1	13.9	16.3	18.9	17.9	14.4
Mozambique	0.0	4.8	7.9	8.6	3.6	6.6	7.0	5.7	4.5	2.5	0.7	0.1	3.8	5.3
Namibia	..	0.9	0.7	1.7	2.8	3.2	4.2	5.4	6.8	6.7	6.4	6.7	7.6	3.7
Niger	..	11.5	9.8	10.2	12.3	16.0	12.8	9.7	8.8	8.9	10.5	11.1	13.6	11.0
Nigeria	..	..	..	..	33.9	28.9	21.8	12.8	12.0	21.7	17.0	..	..	21.2
Rwanda	..	7.7	7.8	9.1	27.9	11.3	7.2	6.2	4.9	4.6	4.9	..	..	8.8
São Tomé and Príncipe	..	17.5	15.5	16.8	14.9	15.6	14.4	16.1	20.8	16.3	10.6	..	22.4	15.6
Senegal	7.5	12.9	9.3	10.9	16.8	14.5	11.2	12.1	6.3	7.0	7.3	9.4	15.7	11.0
Seychelles	..	15.7	15.2	12.3	16.5	20.7	17.6	17.7	14.7	11.7	11.7	..	..	15.4
Sierra Leone	..	30.0	26.9	18.9	14.0	10.5	12.5	16.3	23.9	26.4	21.9	..	23.7	20.9
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	20.2	17.2	16.8	..	..	18.1
Sudan	..	..	..	..	..	..	..	..	9.1	9.8	10.9	..	..	9.9
Swaziland	..	2.9	2.4	2.0	1.8	2.1	2.2	2.3	2.2	1.8	2.2	..	..	2.2
Tanzania	..	13.2	12.2	12.9	14.4	18.4	18.9	17.4	15.2	10.6	10.9	8.0	12.3	14.3
Togo	..	13.6	13.3	16.2	22.0	15.6	13.8	13.7	10.3	12.8	11.7	20.9	14.8	14.0
Uganda	..	8.9	15.5	9.7	7.8	5.9	6.0	5.6	6.1	5.1	5.1	14.4	7.8	7.3
Zambia	10.9	24.4	27.5	41.8	36.5	27.7	17.4	16.4	11.8	10.1	9.8	12.2	28.6	22.5
Zimbabwe	27.7	13.9	15.6	17.9	20.4	24.2	24.5	19.1	27.8	26.0	34.4	24.8	13.5	21.6
NORTH AFRICA		13.1	14.5	17.1	19.1	18.2	18.5	17.6	16.5	12.0	16.1		9.7	15.8
Algeria	..	6.0	7.0	6.4	8.2	9.9	11.9	12.7	12.6	..	13.8	..	5.6	9.5
Egypt, Arab Republic	..	15.5	18.7	25.5	29.3	25.4	25.1	23.1	21.1	19.1	19.4	..	9.1	21.1
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	7.4	21.1	19.5	19.8	20.1	20.3	19.3	18.2	17.2	17.1	16.2	20.2	22.4	19.2
Tunisia	5.8	9.2	10.7	11.5	11.0	11.7	12.2	10.6	9.6	10.7	10.2	5.5	8.9	10.6
ALL AFRICA		9.4	9.5	10.9	15.8	12.9	12.4	11.1	16.6	14.6	15.8	5.4	7.0	12.5

Note: 2000 data are preliminary (see page 2). Nigeria's fiscal data are for consolidated government starting from 1992.

## 7-17. Government expenditure: subsidies and current transfers

	Percentage of total expenditure and lending minus repayments											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		1.0	1.0	0.9	2.9	2.5	2.3	2.3	2.6	2.2	2.4	1.9	1.3	1.9
excluding South Africa		2.1	2.0	2.0	1.3	1.6	1.4	1.7	2.2	2.1	2.6		2.8	2.0
excl. S Africa & Nigeria		2.1	2.0	2.0	1.6	1.9	1.7	2.1	2.6	2.6	3.1	2.9	2.8	2.2
Angola	..	5.0	8.1	9.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1	..	5.3	2.8
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	..	..	..	..	..	..	..	0.0	0.0	0.0	0.0	..	..	0.0
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	10.9	6.0	8.0	5.7	7.5	6.7	5.9	7.6	7.6	7.0	6.5	10.1	5.8	6.8
Cameroon	11.1	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.8	5.4	5.7	8.6	0.0	1.8
Cape Verde	..	0.5	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.9	0.1
Central African Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chad	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..	0.0	0.0
Comoros	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.2
Côte d'Ivoire	..	0.2	0.0	3.0	3.7	3.9	2.9	3.7	3.5	4.0	6.7	..	5.4	3.2
Djibouti	..	..	3.6	3.6	3.6	-9.2	-1.2	-1.7	-2.8	2.7	2.8	..	..	0.2
Equatorial Guinea	..	4.9	4.1	3.5	4.4	4.4	4.0	4.1	9.0	4.7	6.7	..	5.3	5.1
Eritrea	..	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..	..	..	0.0
Ethiopia	..	1.3	1.4	0.1	1.2	1.8	1.7	1.3	0.0	0.0	0.0	3.5	1.4	1.0
Gabon	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gambia, The	..	0.0	0.5	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	..	10.4	0.4
Ghana	..	0.0	0.0	0.0	0.0	7.9	5.6	4.9	9.3	5.3	5.9	..	..	3.5
Guinea	..	3.5	4.0	3.6	4.3	6.2	6.0	7.5	8.1	9.1	10.9	..	6.8	6.3
Guinea-Bissau	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kenya	0.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	1.5	0.3
Lesotho	..	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..	3.8	1.3
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	..	..	..	0.0	..	..	0.0
Malawi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mali	6.0	2.3	2.7	2.7	1.6	1.3	1.4	1.2	5.7	5.6	5.4	3.7	1.6	2.9
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	0.0	4.0	4.6	1.7	1.5	2.9	4.2	3.3	2.9	2.8	2.6	0.0	0.0	3.1
Mozambique	1.4	2.2	2.2	1.2	0.9	1.3	1.2	1.0	1.0	0.5	0.4	7.1	14.3	1.4
Namibia	..	2.7	4.0	3.0	2.7	3.6	3.8	2.7	2.3	2.0	1.8	7.4	4.7	2.8
Niger	..	6.7	6.9	12.9	6.6	4.4	6.0	7.6	5.2	5.1	10.2	9.4	6.6	7.2
Nigeria	..	..	..	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..	..	0.0
Rwanda	..	8.3	8.1	5.0	3.8	4.8	3.3	5.7	7.9	9.1	8.3	..	..	7.4
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	13.9	8.9	8.2	13.9	11.4	9.9	7.9	9.6	7.5	10.3	14.9	12.1	10.1	10.3
Seychelles	..	5.8	5.4	4.6	6.3	13.2	-3.7	1.4	1.9	1.8	1.0	..	..	4.1
Sierra Leone	..	2.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..	0.5	0.6
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	4.5	3.5	3.2	3.0	3.0	2.3	2.2	..	..	3.1
Sudan	..	..	..	..	..	..	..	..	5.1	3.3	2.5	..	..	3.7
Swaziland	..	3.4	1.4	3.3	2.6	6.6	13.8	11.2	9.5	12.0	9.5	..	..	7.3
Tanzania	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Togo	..	5.1	5.8	4.6	9.0	6.6	5.4	6.9	6.5	9.7	9.8	2.3	0.7	6.7
Uganda	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zambia	13.7	11.6	2.5	0.6	0.0	0.0	0.0	0.2	0.9	0.8	2.8	9.9	11.9	2.7
Zimbabwe	29.3	7.7	8.3	4.9	1.4	0.5	0.3	0.1	0.0	0.0	0.0	23.2	8.5	2.6
NORTH AFRICA		7.1	12.2	9.2	6.6	5.7	5.9	4.9	4.7	4.4	4.9		6.7	6.6
Algeria	..	1.0	15.9	13.6	9.4	6.2	4.4	2.1	2.2	2.0	1.9	..	1.1	5.4
Egypt, Arab Republic	..	12.2	14.2	7.7	5.8	6.6	6.8	6.2	5.9	5.2	5.9	..	10.2	8.0
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	6.0	1.9	2.3	2.6	4.1	3.3	6.0	6.4	6.0	7.4	8.2	7.5	4.0	4.5
Tunisia	15.1	14.6	13.3	13.9	6.0	5.9	6.2	5.6	4.8	3.0	3.5	20.3	18.8	8.6
ALL AFRICA		3.3	5.1	4.0	4.2	3.6	3.5	3.2	3.3	3.0	3.1	2.8	3.0	3.6

Note: 2000 data are preliminary (see page 2). Nigeria's fiscal data are for consolidated government starting from 1992.

## 7-18. Government expenditure: capital and net lending

	Percentage of total expenditure and lending minus repayments											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		16.6	16.6	18.7	19.5	19.1	19.7	20.1	21.2	22.9	22.6	22.4	18.0	19.5
excluding South Africa		25.0	24.1	25.6	28.9	28.0	29.8	31.1	32.5	30.6	30.3		27.1	28.3
excl. S. Africa & Nigeria		25.0	24.1	25.6	26.2	25.3	25.8	26.1	27.1	27.0	26.4	28.6	27.1	25.8
Angola	..	10.1	6.4	10.7	5.7	10.3	8.3	7.9	3.4	20.9	10.6	..	17.3	10.2
Benin	..	28.1	21.1	26.8	32.9	36.6	32.9	36.3	36.3	37.7	38.1	..	27.0	32.2
Botswana	..	47.3	42.4	39.5	32.0	31.8	33.4	34.4	32.8	31.9	32.5	43.3	45.1	37.1
Burkina Faso	..	44.5	43.4	34.4	40.8	45.9	51.3	56.5	56.2	58.9	55.2	..	..	46.8
Burundi	113.6	43.7	47.9	43.4	32.6	30.3	35.8	18.0	25.8	25.7	22.5	119.7	61.9	33.4
Cameroon	32.6	23.2	15.5	13.8	17.3	7.1	5.9	9.3	16.3	19.1	15.3	40.3	43.0	15.4
Cape Verde	..	41.3	59.4	58.7	60.9	52.4	47.8	44.7	51.0	19.6	24.5	67.8	54.3	45.2
Central African Republic	..	..	..	..	46.0	50.2	21.9	37.5	54.2	50.9	52.4	..	..	44.7
Chad	..	32.3	45.1	38.0	47.5	50.4	49.1	53.8	51.1	50.8	50.8	..	63.1	47.6
Comoros	..	14.2	32.3	15.6	32.1	20.3	21.9	24.1	35.1	28.1	23.4	0.0	60.0	24.0
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	2.3	2.1	4.6	7.6	9.1	24.4	9.1	11.1	18.7	27.3	61.7	27.2	11.3
Côte d'Ivoire	..	8.9	9.5	10.3	17.0	21.0	21.9	24.8	28.7	21.9	15.6	..	12.1	17.0
Djibouti	..	..	18.3	16.4	12.9	9.4	11.3	12.1	20.0	9.4	9.9	..	..	13.3
Equatorial Guinea	..	60.7	51.6	49.5	32.9	18.0	9.6	20.9	36.4	43.8	31.3	..	34.0	37.9
Eritrea	..	..	12.4	29.2	22.6	20.5	28.9	44.5	33.4	40.0	31.4	..	..	29.2
Ethiopia	..	25.0	22.6	34.2	38.0	37.7	45.2	42.9	37.5	32.1	20.0	27.2	32.9	33.0
Gabon	..	19.6	18.9	17.7	22.1	20.9	22.8	31.7	29.2	8.9	24.9	58.1	35.4	21.2
Gambia, The	..	34.4	34.6	29.9	27.4	35.4	36.9	29.8	22.9	20.7	17.3	36.5	31.2	29.4
Ghana	17.8	41.1	41.9	38.3	42.7	46.1	44.8	42.9	39.6	37.3	33.1	14.5	38.0	40.8
Guinea	..	45.6	47.0	49.4	46.3	48.6	45.1	47.8	40.9	44.5	43.6	..	41.4	45.9
Guinea-Bissau	..	61.5	66.8	64.4	59.1	49.6	53.0	66.9	24.4	34.4	24.9	32.0	62.2	51.7
Kenya	29.5	15.8	12.6	10.8	10.8	11.6	11.9	9.9	8.5	9.3	11.2	23.5	18.7	12.0
Lesotho	..	38.4	35.4	44.1	39.4	32.3	37.8	41.1	32.8	23.8	28.3	37.9	24.1	36.2
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	35.5	35.0	35.9	32.2	36.2	32.5	37.5	47.1	47.7	49.4	39.9	42.1	39.8
Malawi	48.8	20.5	23.3	20.3	17.2	21.4	19.9	19.3	26.9	32.9	36.1	38.0	27.5	23.6
Mali	53.0	57.7	53.3	50.4	50.4	53.5	56.2	51.4	50.6	47.8	49.3	47.9	59.1	52.9
Mauritania	..	22.9	24.3	41.3	32.9	27.6	27.8	25.8	29.2	29.3	43.3	..	26.7	30.1
Mauritius	26.6	19.0	19.3	18.2	15.9	13.8	14.6	12.7	13.0	15.9	15.1	20.8	19.6	16.0
Mozambique	44.0	52.4	50.3	49.3	51.1	57.3	55.1	55.8	47.6	49.7	53.9	40.1	35.6	52.2
Namibia	..	14.0	13.8	16.8	12.4	13.2	13.1	13.3	11.8	12.0	12.5	21.2	17.0	13.9
Niger	..	30.4	21.9	21.5	28.6	27.1	29.6	30.6	31.9	30.6	30.7	31.0	40.8	29.3
Nigeria	..	..	..	..	41.1	41.3	49.4	55.8	59.4	48.6	49.5	..	..	49.3
Rwanda	..	30.2	30.3	32.1	16.6	39.4	41.3	41.6	35.9	31.8	32.2	..	..	32.9
São Tomé and Príncipe	..	55.4	57.4	52.3	57.9	69.1	60.7	60.3	51.8	60.9	62.9	..	43.9	58.6
Senegal	17.6	15.0	24.1	20.3	23.6	26.5	35.6	32.9	42.2	40.6	31.7	16.4	13.5	27.7
Seychelles	..	22.5	19.7	22.8	11.0	17.8	17.8	22.3	25.6	21.8	25.2	..	..	20.9
Sierra Leone	..	21.2	21.8	25.2	21.8	13.4	19.6	11.3	24.6	11.2	21.1	..	24.0	19.0
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	25.8	9.0	9.6	12.3	9.6	9.2	8.4	7.8	8.5	14.3	14.0	23.6	10.3	10.3
Sudan	..	13.6	16.2	28.7	..	13.4	5.7	7.7	9.1	14.2	21.3	16.9	14.0	14.2
Swaziland	..	25.7	28.7	25.4	24.7	23.8	18.1	17.1	23.0	21.9	26.0	..	..	23.4
Tanzania	..	10.9	16.7	21.2	20.8	17.6	20.4	17.3	25.8	27.4	30.8	26.2	22.1	20.6
Togo	..	17.6	15.9	8.8	9.1	15.5	13.9	11.1	19.5	15.4	15.0	..	26.0	15.2
Uganda	..	50.4	44.5	55.0	52.2	45.1	44.1	40.2	41.0	40.5	47.5	39.7	35.1	45.8
Zambia	10.5	15.5	12.1	10.7	12.5	17.5	32.0	30.1	39.4	44.9	47.8	11.6	2.2	25.6
Zimbabwe	43.1	20.2	18.0	16.8	17.6	14.5	12.7	12.3	6.7	14.2	5.2	42.7	15.7	14.2
NORTH AFRICA		28.1	26.2	24.5	22.4	22.0	20.7	20.7	21.4	22.8	24.4		33.7	24.0
Algeria	63.3	27.3	28.2	31.3	31.0	29.4	26.6	25.2	24.8	19.9	27.3	61.6	46.8	27.4
Egypt, Arab Republic	..	34.8	29.0	20.9	18.1	18.2	18.7	20.0	21.3	28.9	25.2	..	39.0	24.9
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	33.4	17.4	18.4	20.5	18.4	18.8	16.0	14.5	16.2	15.9	18.4	65.0	19.2	17.7
Tunisia	28.9	26.6	24.8	25.6	21.1	20.9	20.7	22.4	21.9	21.4	24.5	27.7	21.9	23.1
ALL AFRICA		20.9	20.1	20.8	20.5	20.1	20.1	20.3	21.3	22.4	23.2	26.3	23.8	21.2

Note: 2000 data are preliminary (see page 2). Nigeria's fiscal data are for consolidated government starting from 1992.

## 7-19. Government expenditure: trends in real defense spending

	Index 1980=100											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	100.0	230.1	172.2	143.8	121.9	137.6	160.6	152.9	144.0	155.1	181.3	124.1	188.4	155.0
excluding South Africa	100.0	230.1	172.2	143.8	124.0	137.6	160.6	152.9	144.0	155.1	181.3	124.1	185.8	154.7
excl. S. Africa & Nigeria	100.0	230.1	172.2	143.8	131.5	137.6	160.6	152.9	144.0	155.1	181.3	124.1	188.4	155.8
Angola	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	100.0	..	..	..	339.2	..	..	..	..	..	..	100.0	140.4	263.7
Burundi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cameroon	100.0	..	..	..	124.0	..	..	..	..	..	..	100.0	190.6	124.0
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Côte d'Ivoire	100.0	..	..	..	62.7	..	..	..	..	..	..	100.0	83.3	77.2
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gabon	100.0	..	..	..	140.4	..	..	..	..	..	..	100.0	162.2	128.7
Gambia, The	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	100.0	230.1	172.2	143.8	119.8	137.6	160.6	152.9	144.0	155.1	181.3	124.1	194.5	172.0
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malawi	100.0	..	..	..	21.3	..	..	..	..	..	..	100.0	59.2	22.3
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mozambique	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	100.0	..	..	..	16.5	..	..	..	..	..	..	100.0	40.1	18.8
Rwanda	100.0	..	..	..	234.0	..	..	..	..	..	..	100.0	98.2	164.1
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	100.0	..	..	..	102.8	..	..	..	..	..	..	100.0	93.6	106.3
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	100.0	..	..	..	172.6	..	..	..	..	..	..	100.0	133.0	99.1
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	100.0	..	..	..	94.1	..	..	..	..	..	..	100.0	143.0	111.3
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	100.0	..	..	..	..	..	..	..	..	..	..	100.0	58.9	100.3
Tanzania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Togo	100.0	..	..	..	139.0	..	..	..	..	..	..	100.0	124.1	147.6
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zimbabwe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
NORTH AFRICA	100.0	..	..	..	181.6	..	..	..	..	..	..	100.0	96.9	149.5
Algeria	100.0	..	..	..	267.8	..	..	..	..	..	..	100.0	111.5	208.2
Egypt, Arab Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	100.0	..	..	..	95.5	..	..	..	..	..	..	100.0	82.3	90.7
Tunisia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ALL AFRICA	100.0	230.1	172.2	143.8	121.9	137.6	160.6	152.9	144.0	155.1	181.3	124.1	185.9	155.0

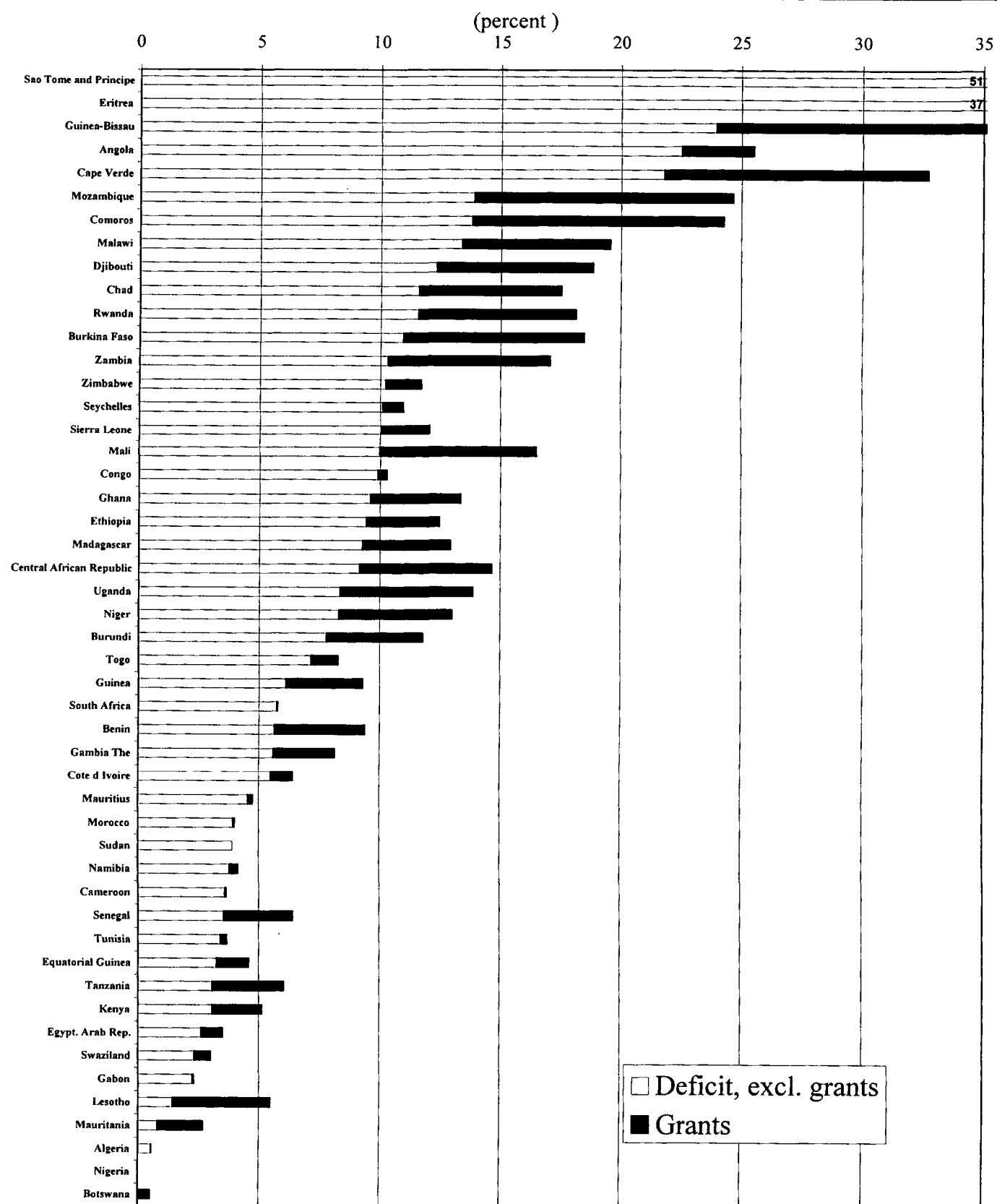
Note: Nigeria's fiscal data are for federal level only. Nigeria's fiscal data are for consolidated government starting from 1992.



## 7-20. Government expenditure: real per capita education spending

	Constant 1995 U.S. dollars											Annual Average		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA														
excluding South Africa														
excl S Africa & Nigeria														
Angola	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Benin	..	..	..	..	..	..	0.12	0.11	0.10	0.11	0.12	0.12	..	0.11
Botswana	..	2.24	2.36	2.47	2.50	2.74	3.25	..	..	..	..	..	1.65	2.51
Burkina Faso	0.03	0.06	0.06	0.06	..	0.07	0.08	0.08	0.09	..	..	0.03	0.05	0.07
Burundi	..	..	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	..	..	0.02
Cameroon	0.14	0.25	0.24	0.18	0.16	0.11	..	..	..	..	..	0.18	0.27	0.20
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	..	..	..	..	..	..	..	..	..	0.16	..	..
Chad	..	..	..	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.04	..	..	0.04
Comoros	..	..	..	..	..	..	0.18	0.18	0.13	0.09	0.09	..	..	0.13
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	..	..	..	..	..	..	..	..	..	..	0.00	0.00	..
Côte d'Ivoire	..	0.53	0.49	0.48	0.36	0.34	0.33	0.34	0.37	0.41	0.46	..	0.58	0.43
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	0.03	0.04	0.04	0.05	0.05	0.09	0.09	0.08	0.11	..	..	0.06
Ethiopia	..	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03
Gabon	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gambia, The	..	..	0.10	0.11	0.11	0.11	0.12	0.12	0.10	0.10	0.11	..	..	0.11
Ghana	..	..	..	..	0.15	0.15	0.16	0.14	0.15	..	..	..	..	0.15
Guinea	..	..	..	..	0.12	0.13	0.16	0.14	0.11	0.12	0.12	..	..	0.13
Guinea-Bissau	..	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.04	0.00	0.03	0.03
Kenya	0.20	0.22	0.21	0.22	0.21	0.22	0.21	0.22	0.23	0.22	0.20	0.16	0.21	0.22
Lesotho	..	0.31	0.31	..	..	..	..	..	..	..	..	..	0.25	0.28
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	0.05	0.06	0.07	0.07	..	..	0.06
Malawi	..	..	..	0.05	..	0.09	0.06	0.09	0.06	0.07	..	..	..	0.07
Mali	..	..	..	..	..	0.08	0.08	0.08	0.09	0.11	0.13	0.07	0.07	0.09
Mauritania	..	..	..	..	..	..	0.02	0.24	0.23	0.25	0.27	..	..	0.20
Mauritius	..	1.06	1.06	1.16	1.33	1.37	1.46	0.76	..	..	0.00	..	0.83	1.02
Mozambique	..	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.05	0.03	0.02	0.03
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	0.11	..	..	..	..	..	..	..	..	..	..	0.08	..	..
Nigeria	..	..	..	..	..	..	..	..	..	..	..	0.07	0.02	..
Rwanda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
São Tomé and Príncipe	..	..	..	..	..	..	..	0.24	0.15	..	0.29	..	..	0.23
Senegal	..	..	..	0.23	0.19	0.21	0.22	0.21	0.23	0.24	0.26	..	..	0.23
Seychelles	..	..	..	5.49	5.46	4.34	..	..	..	..	..	..	..	5.09
Sierra Leone	..	..	..	..	..	..	..	..	..	..	..	0.09	..	0.02
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sudan	0.39	..	..	..	..	..	..	..	..	..	..	0.29	..	..
Swaziland	0.68	..	..	..	..	..	..	..	..	..	..	0.62	0.74	..
Tanzania	..	..	..	..	..	..	..	..	..	0.04	0.05	..	..	0.04
Togo	..	..	..	..	..	..	..	..	..	..	..	0.21	0.19	..
Uganda	..	..	..	..	0.05	0.07	0.06	0.08	0.09	0.11	0.12	..	..	0.08
Zambia	..	0.13	0.11	0.09	0.08	0.06	0.11	0.12	0.09	0.11	0.10	..	..	0.10
Zimbabwe	..	..	..	..	..	..	..	..	0.84	0.54	..	..	..	0.69
NORTH AFRICA	0.45	0.55	0.55	0.58	0.61	0.61	..	..	..	..	..	0.47	0.52	0.57
Algeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Egypt, Arab Republic	0.30	0.41	0.40	0.44	0.48	0.48	..	..	..	..	..	0.32	0.41	0.43
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	0.64	0.68	0.69	0.73	0.72	0.69	..	..	..	..	..	0.62	0.61	0.70
Tunisia	0.88	1.03	1.10	1.12	1.14	1.21	1.29	..	..	..	..	0.93	0.94	1.14
ALL AFRICA														

Note: Nigeria's fiscal data are for consolidated government starting from 1992.

**Figure 7-1. Government deficit as percentage of GDP, 1992-2000\***

\* Or most recent year available.

## Technical notes

### Tables

**Table 7-1. Government deficit/surplus (including grants).** Overall surplus/deficit is the difference between total revenue plus grants (as defined in *GFS* line A-I) and total expenditures and lending minus repayments (as defined in *GFS* line C-I). It represents the net financing requirement of the consolidated government. This indicator is shown as a percentage of current GDP in national currency (World Bank country desks).

**Table 7-2. Government deficit/surplus (excluding grants).** This is calculated as above, except that capital grants are excluded from receipts (as defined in *GFS* line A-II, less line C-I). It is a measure of the ability of a government to fund its activities from its own resources. Because some budgetary grants may be tied to certain expenditures that would not otherwise be incurred, excluding grants may overstate the deficit or understate the surplus if no account is taken of the expenditures dependent on these grants. This indicator is shown as a percentage of current GDP in national currency (World Bank country desks).

**Table 7-3. Government primary deficit/surplus (–/+).** The primary deficit or surplus is the government deficit or surplus including grants (as presented in Table 7-1) excluding interest expenditures on both domestic and foreign debt (Table 7-5). In countries with large government interest payments, this ratio may provide a more reliable indicator for monitoring

fiscal stabilization efforts. This indicator is shown as a percentage of current GDP in national currency (World Bank country desks).

**Table 7-4. Government expenditure and lending minus repayments.** Total expenditure and lending minus repayments (as defined in *GFS* line C-I) represents the government's total outlays for current or capital purposes. Expenditure includes all nonrepayable payments by the government. Lending minus repayments comprises government transactions in debt and equity claims upon others, acquired for purposes of public policy rather than for managing government liquidity or earning a return. It consists of gross lending and acquisition of financial equity minus repayments of past government lending and government sales of equities. (This definition differs from the concept of lending minus repayments adopted in the SNA, which is gross government lending minus repayments of past government lending minus net government borrowing.) In determining a government's deficit or surplus, lending minus repayments is grouped with expenditures rather than with financing. This indicator is shown as a percentage of current GDP in national currency (World Bank country desks).

**Table 7-5. Government interest payments.** Government interest payments (as defined in *GFS* line C2) include interest on all borrowings, both domestic and foreign, but exclude commission charges paid for assistance in placement of debt (which would be classi-

fied as expenditure for the payment of goods and services). This indicator is shown as a percentage of current GDP in national currency (World Bank country desks).

**Table 7-6. Government revenue (excluding grants).** Government revenue less grants (as defined in *GFS* line A-II) refers to current revenues (tax and nontax) and capital revenues, such as proceeds from the sale of real assets, including land. They do not include grant receipts from other governments or international organizations. This indicator is shown as a percentage of current GDP in national currency (World Bank country desks).

**Table 7-7. Grants to government.** These are unrequited, nonrepayable, noncompulsory government receipts from other governments or international institutions (as defined in *GFS* line A-II). Grants of goods and services in kind are excluded. This indicator is shown as a percentage of current GDP in national currency (World Bank country desks).

**Table 7-8. Foreign financing.** Includes all government financing transactions except grants (as defined in *GFS* line D-III) with nonresident individuals, enterprises, governments, international organizations, and other entities. It may be affected by trading in outstanding government securities between residents and nonresidents. The data also reflect changes, resulting from transactions but not revaluations, in government holdings of foreign exchange, deposits in nonresident financial institutions, and securities issued by nonresident entities held by government for liquidity purposes (reserves). This indicator is shown as a percentage of current GDP in national currency (World Bank country desks).

**Table 7-9. Taxes on income and profits.** These taxes (as defined in *GFS* line A1) are levied on the actual or presumptive net income of individuals and profits of enterprises. Also included are taxes levied on capital gains that are realized on land sales, securities, and other assets. This indicator is shown as a percentage of total revenue (as defined in *GFS* line A-II) (World Bank country desks).

**Table 7-10. Taxes on international trade and transactions.** Include import duties, export duties, profits of export or import monopolies remitted to government, and monopoly profits of monetary authorities made in foreign exchange transactions as well as taxes levied on the sale of foreign exchange (as defined in *GFS* line A6). This indicator is shown as a percentage of total revenue (as defined in *GFS* line A-II) (World Bank country desks).

**Table 7-11. Indirect taxes.** These are sales and excise taxes and duties (as defined in *GFS* line A-IV less A1). This indicator is shown as a percentage of total revenue (as defined in *GFS* line A-II) (World Bank country desks).

**Table 7-12. Nontax revenues (excluding grants).** This is all nonrepayable government receipts, other than compulsory unrequited receipts (taxes) and revenue from capital sales or government grants, plus all fines and penalties other than for noncompliance with taxes (as defined in *GFS* line A-V). For some mineral-exporting countries in Africa, this category is quite large, since royalties on the extraction of minerals, such as petroleum in Egypt and Nigeria and bauxite in Guinea, make up significant portions of total government revenues. This indicator is shown as a percentage of total revenue (as defined in *GFS* line A-II) (World Bank country desks).

**Table 7-13. Government expenditure: wages and salaries.** Are payments in cash, but not in kind, to employees in return for services, before withholding taxes and employee contributions to social security and pension funds are deducted (as defined in *GFS* line C1.1). Included are basic wages and salaries; pay for overtime, weekends, and nights; cost of living allowances; local allowances and expatriation allowances; and similar compensation. Reimbursement to employees for expenses incurred as part of their employment are excluded. This indicator is shown as a percentage of total expenditure and lending minus repayments (as defined in *GFS* line C-I) (World Bank country desks).

**Table 7-14. Government expenditure: trends in real wages and salaries.** Includes expenditure on wages and salaries as discussed above (as defined in *GFS* line C1.1), deflated by the CPI. For most countries the trend is shown in index numbers beginning with 100 in 1987 (World Bank country desks).

**Table 7-15. Government expenditure: other goods and services.** Includes expenditures for all goods and services (except fixed capital assets and wages and salaries) bought on the market, goods and services to be used to produce fixed capital assets, strategic or emergency stocks, stocks held by market regulatory organizations, and land and intangible assets. This category encompasses purchases of materials, office supplies, fuel and lighting, travel services, and payment of rent, as well as payments in kind to certain civil servants (as defined in *GFS* line C1.3). This indicator is presented as a percentage of total expenditure and lending minus repayments (as defined in *GFS* lines C-I) (World Bank country desks).

**Table 7-16. Government expenditure: interest payments.** Are payments for the use of all borrowed money, excluding commission charges paid for assistance in placing debt, which would be classified as expenditures for payment of other goods and services (as defined in *GFS* line C2). This indicator is presented as a percentage of total expenditure and lending minus repayments (as defined in *GFS* lines C-I) (World Bank country desks).

**Table 7-17. Government expenditure: subsidies and current transfers.** Are all unrequited, nonrepayable government payments for current purposes (as defined in *GFS* line C3). Transfers for capital purposes (that is, to permit the recipient to acquire capital assets) and transfers in kind are excluded. This indicator is presented as a percentage of total expenditure and lending minus repayments (as defined in *GFS* line C-I) (World Bank country desks).

**Table 7-18. Government expenditure: capital and net lending.** Represents payments for acquiring land, buildings, and other nonfinancial assets to be used for more than one year in the process of production, including transfers for capital assets as well as net lending (as defined in *GFS* lines C-IV plus C-V). This indicator is presented as a percentage of total expenditure and lending minus repayments (as defined in *GFS* line C-I) (World Bank country desks).

**Table 7-19. Government expenditure: trends in real defense spending.** Real defense spending has been calculated by deflating defense spending in current prices national currency (IMF, as defined in *GFS* line B2) by the national GDP deflator (Table 3-1). The results are presented in the form of 1980 base indexes.

**Table 7-20. Government expenditure: real per capita education spending.** Presents education spending (IMF, as defined in *GFS* line B4) deflated by the national GDP deflator (Table 3-1) and divided by total population (Table 2-1). The result is converted into 1995 U.S. dollars by using the 1995 local currency/US dollar conversion factor (Table 3-6).

## Figure

The following indicators have been used to derive the figure in this chapter:

**Figure 7-1.** Government deficit/surplus (Tables 7-1 and 7-2).

### Methodology used for regional aggregations and period averages in chapter 7

Table	Aggregations <sup>a</sup>		Period averages <sup>b</sup>
	(6)	(7)	(1)
7-1	X		X
7-2	X		X
7-3	X		X
7-4	X		X
7-5	X		X
7-6	X		X
7-7	X		X
7-8	X		X
7-9	X		X
7-10	X		X
7-11	X		X
7-12	X		X
7-13	X		X
7-14		X	X
7-15	X		X
7-16	X		X
7-17	X		X
7-18	X		X
7-19		X	X
7-20	X		X

*Note:* Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter. For aggregation purposes, all data used in this chapter were converted to U.S. dollars, using the conversion factors shown in Table 3-6.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).

## Agriculture

**A**griculture is one of Africa's important sectors. African agriculture has two major components: food production and export commodities. Food production, including meat, is the livelihood for most Africans. Export crops provide many African countries with their main source of foreign exchange and thus the capacity to import, invest, and develop. The information in this chapter provides a basis for assessing recent trends in producer prices, aggregate agricultural production and trade, cereal imports, and food aid in Africa.

The data in this chapter are estimates based on a variety of sources whose quality and reliability vary from country to country and year to year. Furthermore, production and export data are probably underestimated for two reasons. It is difficult to estimate production levels of staple food crops, especially roots and tubers, when much of the output is consumed directly by farmers, rather than marketed. Moreover, parallel market activity, including trade, may not be fully accounted for.

## 8-1. Nominal producer prices

		Local currency per kilogram										
		1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
ALGERIA												
	Wheat (hard)	1.2	2.2	2.2	2.7	3.7	4.6	5.4	10.3	10.3	10.3	19.0
	Citrus (oranges)	..	..	..	..	..	..	..	..	..	..	..
	Dates	4.5	11.3	11.5	..	..	..	..	..	..	..	..
	Barley	0.8	1.4	1.7	1.7	2.3	2.3	2.3	4.7	4.7	6.0	14.0
	Potatoes	1.3	2.6	2.8	2.7	3.0	3.3	3.3	6.5	6.5	6.5	10.0
ANGOLA												
	Coffee	..	67.0	67.0	67.0	67.0	135.0	158.0	..	..	..	..
	Maize	..	10.0	10.0	11.5	11.5	11.5	100.0	..	..	..	..
	Millet	4.0	10.0	10.0	10.0	10.0	10.0	100.0	..	..	..	..
	Wheat	4.5	17.5	17.5	17.5	17.5	17.5	200.0	..	..	..	..
	Cassava	..	5.0	5.0	7.7	7.7	7.7	150.0	..	..	..	..
	Sweet potatoes	2.5	7.5	7.5	14.0	14.0	14.0	200.0	..	..	..	..
BENIN												
	Cotton (seed cotton)	65.0	110.0	100.0	105.0	95.0	100.0	100.0	100.0	94.8	..	..
	Palm kernels	35.0	20.0	20.0	30.0	30.0	30.0	35.0	35.0	..	..	..
	Maize	40.0	65.0	68.0	64.0	55.0	85.0	58.0	62.0	53.0	..	..
	Sorghum	46.0	65.0	72.0	67.0	60.0	60.0	63.0	65.0	55.0	..	..
	Cassava	30.0	15.0	20.0	16.0	16.0	16.0	17.0	17.5	18.2	..	..
	Yams	32.0	50.0	58.0	49.0	49.0	49.0	49.0	50.0	52.0	..	..
BOTSWANA												
	Groundnuts (in shell)	0.2	0.7	0.7	0.7	0.7	0.7	1.1	1.0	1.4	..	..
	Sorghum	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	..	..
	Maize	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	..	..
BURKINA FASO												
	Cotton (seed cotton)	55.0	97.2	89.7	94.4	94.6	95.0	..	..	..	..	..
	Groundnuts (in shell)	54.0	50.0	60.0	55.0	60.0	60.0	..	..	..	..	..
	Sesame seed	70.0	80.0	55.0	65.0	85.0	80.0	..	..	..	..	..
	Sorghum	45.0	40.0	45.0	40.0	45.0	60.0	..	..	..	..	..
	Millet	45.0	40.0	45.0	40.0	45.0	60.0	..	..	..	..	..
	Maize	45.0	45.0	55.0	45.0	50.0	65.0	..	..	..	..	..
BURUNDI												
	Coffee (green)	..	..	..	..	..	..	..	..	..	..	..
	Tea	..	..	..	..	..	..	..	..	..	..	..
	Cotton (seed)	36.1	51.9	52.6	55.3	57.8	60.2	62.4	64.4	..	..	..
	Maize	25.0	..	..	..	..	..	..	..	..	..	..
	Sorghum	20.0	..	..	..	..	..	..	..	..	..	..
	Rice	25.0	..	..	..	..	..	..	..	..	..	..
	Millet	20.0	..	..	..	..	..	..	..	..	..	..
	Bananas	..	..	..	..	..	..	..	..	..	..	..
	Cassava	10.9	..	..	..	..	..	..	..	..	..	..
CAMEROON												
	Coffee (Arabica)	320.0	475.0	475.0	475.0	458.0	186.0	165.0	..	..	..	..
	Cocoa (grade 1, superior)	300.0	420.0	420.0	42.0	250.0	220.0	200.0	200.0	200.0	..	..
	Cotton (seed cotton, nonselected)	70.0	130.0	130.0	140.0	95.0	95.0	95.0	85.0	..	..	..
	Maize	60.0	83.2	76.8	82.4	57.0	51.7	..	..	..	..	..
	Sorghum	40.0	38.9	60.6	47.2	43.0	77.9	..	..	..	..	..
	Millet	40.0	38.9	60.6	47.2	43.0	77.9	..	..	..	..	..
	Rice (paddy)	105.0	91.0	64.7	77.5	82.7	53.5	..	..	..	..	..
	Cassava	19.0	48.0	46.6	41.7	..	..	..	..	..	..	..
	Plantains	25.0	45.3	46.7	47.3	..	54.0	..	..	..	..	..
CENTRAL AFRICAN REPUBLIC												
	Coffee (Robusta, cherries)	120.0	135.0	135.0	190.0	110.0	80.0	40.0	40.0	120.0	120.0	240.0
	Cotton (seed cotton)	60.0	100.0	100.0	100.0	100.0	..	68.5	60.0	60.0	87.0	117.0
	Sorghum	..	103.5	128.3	107.7	92.5	..	..	..	..	136.7	168.9
	Maize	40.0	65.3	67.7	104.3	111.6	..	..	..	..	136.0	271.0
	Groundnuts (unshelled)	70.0	..	..	171.7	..	..	..	..	..	217.6	526.3
	Cassava	30.0	76.2	89.5	57.5	103.7	..	..	..	..	119.2	176.6
	Yams	25.0	107.1	91.0	124.5	86.6	..	..	..	..	..	222.5
CHAD												
	Cotton (seed cotton, avg. white/yellow)	..	99.0	99.0	97.0	88.0	88.0	88.0	77.0	89.0	..	..
	Millet	..	31.0	31.0	48.0	47.0	52.0	62.0	41.0	41.0	..	..
	Groundnuts	..	57.0	46.0	44.0	46.0	48.0	70.0	67.0	77.0	..	..

(Table continues on the following page)



## 8-1. Nominal producer prices (continued)

	Local currency per kilogram										
	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<b>COMOROS</b>											
Vanilla	1150.0	..	..	..	..	..	..	..	..	..	..
Cloves	1250.0	..	..	..	..	..	..	..	..	..	..
Ylang Ylang (flower)	45.0	90.0	65.0	65.0	..	..	..	..	..	..	..
Copra	40.0	..	..	..	..	..	..	..	..	..	..
Bananas	50.0	..	..	..	..	..	..	..	..	..	..
Cassava	40.0	..	..	..	..	..	..	..	..	..	..
<b>CONGO, DEMOCRATIC REPUBLIC OF</b>											
Coffee (Arabica, green beans)	4.0	42.6	69.3	107.5	166.9	440.5	13837.3	..	..	..	..
Palm oil	2.1	23.0	37.6	59.4	93.8	247.7	7778.7	..	..	..	..
Rubber (natural)	..	..	..	..	..	..	..	..	..	..	..
Cocoa (beans)	..	30.0	50.0	..	..	..	..	..	..	..	..
Maize	1.2	7.5	10.1	25.8	40.3	106.4	..	..	..	..	..
Rice (paddy)	2.0	11.5	17.0	28.7	45.2	119.4	..	..	..	..	..
Cassava	1.3	3.0	3.9	8.4	13.2	34.7	1090.8	..	..	..	..
Plantains	2.9	..	..	..	..	..	..	..	..	..	..
<b>CONGO, REPUBLIC OF</b>											
Coffee	146.0	215.0	215.0	115.0	115.0	115.0	115.0	115.0	115.0	..	..
Cocoa	134.8	190.0	240.0	108.0	108.0	88.0	88.0	88.0	88.0	88.0	88.0
Maize	43.0	73.0	85.0	60.0	60.0	60.0	60.0	100.0	100.0	100.0	100.0
Cassava	..	..	..	..	..	..	..	..	..	..	..
Plantains	..	..	..	..	..	..	..	..	..	..	..
<b>COTE D'IVOIRE</b>											
Coffee (Robusta, green)	310.6	399.5	400.0	400.0	404.0	419.0	390.0	232.0	200.0	530.0	700.0
Cocoa (beans)	300.0	400.0	400.0	400.0	400.0	200.0	200.0	200.0	200.0	315.0	320.0
Palm oil	..	..	..	213.8	213.8	213.8	190.0	190.0	190.0	225.0	225.0
Rice (paddy)	50.0	84.0	84.0	60.0	60.0	60.0	60.0	60.0	75.0	75.0	110.0
Maize	68.0	76.0	45.0	45.0	45.0	45.0	45.0	..	..	..	..
Cassava	49.0	46.0	..	..	..	..	..	..	..	..	..
Yams	59.0	99.9	..	..	..	..	..	..	..	..	..
<b>EGYPT</b>											
Cotton	0.3	0.6	0.7	0.9	1.3	1.7	2.0	2.4	2.4	2.1	..
Rice (96% humidity)	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.5	0.5	0.6	..
Wheat (94% humidity)	0.1	0.2	0.2	0.2	0.4	0.5	0.5	0.5	0.5	0.5	..
Sugarcane	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Broadbeans	0.2	0.5	0.6	0.6	0.6	0.7	0.9	1.1	1.0	1.0	..
<b>EQUATORIAL GUINEA</b>											
Cocoa (first grade dried beans)	..	..	..	..	..	..	..	..	..	..	..
Coffee (Robusta, cherry)	..	..	..	..	..	..	..	..	..	..	..
Cassava	..	..	..	..	..	..	..	..	..	..	..
Plantains	..	..	..	..	..	..	..	..	..	..	..
<b>ETHIOPIA</b>											
Coffee (Arabica, beans)	2.6	3.7	4.1	4.2	4.2	4.2	3.1	3.1	..	..	..
Sesame seed	..	1.1	1.1	1.3	1.3	1.4	1.7	..	..	..	..
Sorghum (mixed)	..	0.5	0.4	0.5	0.5	0.5	0.8	0.8	..	..	..
Maize	..	0.5	0.4	0.4	0.5	0.4	0.6	0.7	..	..	..
Barley (non-white mixed)	..	0.5	0.4	0.5	0.5	0.5	0.7	0.9	..	..	..
<b>GABON</b>											
Cocoa (first quality)	320.0	430.0	430.0	370.0	210.0	224.0	224.0	269.0	260.0	..	..
Coffee (merchant, processed)	180.0	0.0	260.0	260.0	130.0	130.0	..	150.0	147.0	..	..
Maize	..	..	..	..	..	..	..	..	..	..	..
Cassava	139.5	..	..	..	..	..	..	..	..	..	..
Yams	124.5	..	..	..	..	..	..	..	..	..	..
<b>GAMBIA, THE</b>											
Groundnuts (unshelled)	0.5	1.8	1.5	1.1	1.5	1.8	..	..	..	..	..
Cotton (seed cotton)	0.5	1.3	1.5	1.6	1.8	1.9	1.9	2.0	2.0	2.2	2.2
Palm kernels	0.3	0.3	..	..	..	..	..	..	..	..	..
Millet	0.5	1.1	1.2	1.2	1.5	1.9	1.9	..	..	..	..
Rice (paddy)	..	..	2.1	2.1	3.4	2.8	2.7	..	..	..	..
Maize	..	0.0	1.2	1.2	1.4	2.1	1.9	..	..	..	..
Sorghum	0.3	0.9	0.0	0.0	1.2	0.0	1.9	..	..	..	..

(Table continues on the following page)

## 8-1. Nominal producer prices (continued)

		Local currency per kilogram										
		1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<b>GHANA</b>												
	Cocoa	4.0	80.3	101.3	153.8	..	..	..	..	..	..	..
	Maize	4.1	25.0	42.0	48.0	35.8	86.9	69.5	83.5	93.7	..	..
	Millet	5.3	24.2	36.0	83.3	89.7	77.9	113.5	141.4	149.9	..	..
	Groundnuts	8.4	..	..	..	..	..	..	..	..	..	..
	Cassava	1.5	8.8	10.8	12.9	10.0	10.0	15.8	22.5	25.3	..	..
	Plantains	1.9	15.0	18.6	43.0	45.9	27.8	26.8	35.5	91.4	..	..
<b>GUINEA</b>												
	Coffee (Robusta)	49.0	400.0	400.0	..	..	..	..	..	..	..	..
	Palm kernels	6.0	60.0	60.0	..	..	..	..	..	..	..	..
	Rice (paddy)	9.0	..	..	..	..	168.0	166.0	..	..	..	..
	Maize	7.0	..	..	..	..	130.0	144.0	..	..	..	..
	Groundnuts (unshelled)	11.0	..	..	..	250.0	213.0	..	..	..	..	..
	Cassava	5.0	..	..	..	..	..	81.0	..	..	..	..
	Plantains	4.5	..	..	..	..	..	..	..	..	..	..
<b>GUINEA-BISSAU</b>												
	Cashew nuts	..	38.5	125.0	230.0	350.0	450.0	550.0	1000.0	3500.0	..	..
	Groundnuts (unshelled, grade 1)	..	32.5	40.0	80.0	140.0	225.0	275.0	500.0	1000.0	..	..
	Palm kernels	..	..	..	..	..	..	..	..	..	..	..
	Rice (paddy, grade 1)	8.5	37.5	50.0	85.0	180.0	225.0	400.0	650.0	1100.0	..	..
	Sorghum	..	..	..	..	..	..	..	..	..	..	..
	Maize (grade 1)	..	..	..	..	..	..	..	..	740.0	..	..
<b>KENYA</b>												
	Coffee (Arabica, washed bean, grade 1-6)	26.4	54.8	34.1	43.0	43.1	36.4	46.5	49.4	98.9	..	..
	Tea	15.9	33.8	25.0	26.8	27.2	35.2	38.5	47.5	92.4	..	..
	Sugar (cane)	0.1	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.8	..	..
	Sisal	4.2	7.4	7.1	7.4	8.9	9.2	9.4	9.8	9.9	..	..
	Maize	1.0	2.1	2.1	2.2	2.7	2.6	3.1	4.7	8.1	..	..
	Wheat	1.6	2.9	3.0	3.2	3.4	4.5	5.0	5.6	5.7	..	..
<b>LESOTHO</b>												
	Wheat	0.2	0.4	0.5	0.5	0.6	..	..	0.8	..	..	..
	Beans	0.5	1.1	1.3	1.3	1.4	..	..	..	..	..	..
	Peas	0.4	0.9	0.9	1.1	1.2	1.2	..	..	..	..	..
	Maize	0.1	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.6	0.6	..
	Sorghum	0.2	0.2	0.3	0.3	0.3	0.3	..	0.5	0.6	..	..
<b>LIBERIA</b>												
	Rubber (nonspec. coagul.)	0.8	1.0	1.0	..	..	..	..	..	..	..	..
	Coffee (Robusta)	2.1	1.6	1.6	..	..	..	..	..	..	..	..
	Cocoa (fair average quality)	2.1	2.3	2.3	..	..	..	..	..	..	..	..
	Rice	0.3	0.3	0.3	0.3	..	..	..	..	..	..	..
	Cassava	0.0	0.1	0.1	0.1	..	..	..	..	..	..	..
<b>LIBYA</b>												
	Wheat	0.0	..	..	..	..	..	..	..	..	..	..
	Olives	..	..	..	..	..	..	..	..	..	..	..
	Oranges	..	..	..	..	..	..	..	..	..	..	..
	Barley	..	..	..	..	..	..	..	..	..	..	..
<b>MADAGASCAR</b>												
	Coffee (Robusta)	215.0	600.0	800.0	950.0	950.0	950.0	..	..	..	..	..
	Vanilla (green)	600.0	1100.0	1200.0	1700.0	2000.0	2000.0	2000.0	..	..	..	..
	Cloves	395.0	525.0	600.0	600.0	600.0	600.0	..	..	..	..	..
	Rice (paddy)	42.5	100.0	127.5	180.0	250.0	250.0	274.0	..	..	..	..
	Cassava	7.0	55.0	55.0	..	..	..	124.0	..	..	..	..
	Sweet potatoes	..	50.0	60.0	60.0	60.0	..	116.0	..	..	..	..
<b>MALAWI</b>												
	Tobacco (flue-cured)	..	..	..	..	..	..	..	..	..	..	..
	Tobacco (Northern division dark-fired, G2)	0.4	1.0	1.0	1.1	1.7	2.5	2.8	2.8	2.8	3.5	6.0
	Tea (dry leaves)	0.7	1.0	1.0	1.5	1.6	2.0	2.0	2.5	2.5	3.0	5.0
	Groundnuts (in shell)	0.3	0.5	0.6	0.6	0.6	0.8	0.7	0.9	1.1	1.6	2.5
	Cotton (seed cotton)	..	0.5	0.5	0.7	0.8	0.8	0.8	0.9	0.9	1.0	2.5
	Maize	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.7
	Sorghum	0.1	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.7	0.8	1.1
	Rice (paddy, grade 1)	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.9	1.5	1.8
	Cassava	0.0	..	..	0.1	0.1	0.1	..	..	..	..	..

(Table continues on the following page)

## 8-1. Nominal producer prices (continued)

	Local currency per kilogram										
	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<b>MALI</b>											
Cotton (seed cotton)	55.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	..	..	..
Groundnuts (unshelled)	40.0	..	..	..	..	..	..	..	..	..	..
Millet	35.0	55.0	55.0	0.0	0.0	77.0	41.5	42.0	..	..	..
Rice (paddy)	37.5	70.0	70.0	70.0	70.0	70.0	70.0	68.0	..	..	..
Sorghum	35.0	55.0	55.0	58.0	60.0	61.0	..	..	..	..	..
Maize	35.0	55.0	55.0	..	..	54.0	35.0	35.0	..	..	..
<b>MAURITANIA</b>											
Sorghum	11.0	15.4	15.4	16.0	16.0	16.0	16.5	16.5	16.8	17.0	17.2
Millet	11.0	..	..	..	..	..	..	..	..	..	..
Rice (paddy)	10.0	..	..	..	..	..	..	..	..	..	..
Maize	15.0	..	..	..	..	..	..	..	..	..	..
<b>MAURITIUS</b>											
Sugarcane	..	..	..	..	..	..	..	..	..	..	..
Tea	..	9.2	7.4	10.3	10.4	13.5	13.4	16.8	16.4	..	..
Maize (12% moisture)	2.0	4.3	4.3	4.8	4.8	4.8	4.8	5.0	5.0	..	..
Rice (paddy, 14% moisture)	1.4	4.9	4.9	5.0	7.0	..	..	..	..	..	..
Potatoes	2.2	1.9	2.5	2.5	2.8	3.1	3.7	4.1	4.7	..	..
Onions	4.2	4.2	4.8	5.8	5.7	7.1	7.8	7.7	7.6	..	..
<b>MOROCCO</b>											
Citrus (oranges)	1.3	1.6	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
Cotton	3.2	6.0	6.0	6.0	6.7	0.0	6.7	5.7	5.7	..	..
Wheat (hard)	1.5	2.2	2.2	2.1	2.3	2.5	2.5	2.9	2.9	2.5	..
Sugarbeet (16.5% sugar)	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	..	..
Barley	1.3	1.3	1.3	1.2	1.3	1.5	1.5	2.0	2.0	2.1	..
<b>MOZAMBIQUE</b>											
Cashew nuts	7.5	13.2	86.0	..	..	..	..	..	..	..	..
Cotton (seed, prime grade)	11.0	16.0	65.0	..	..	..	..	..	..	..	..
Tea	25.6	..	..	..	..	..	..	..	..	..	..
Maize	..	..	..	..	..	..	..	..	..	..	..
Rice	6.2	16.0	48.0	..	..	..	..	..	..	..	..
Cassava	2.0	..	..	..	..	..	..	..	..	..	..
<b>NAMIBIA</b>											
Wheat	..	0.4	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.7	..
Maize (white)	..	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.7	..
<b>NIGER</b>											
Cowpeas	45.0	80.0	80.0	..	..	..	..	..	..	..	..
Cotton (unginned, top grade)	62.0	120.0	120.0	120.0	130.0	110.0	70.0	70.0	77.0	..	..
Groundnuts (in shell)	50.0	130.0	130.0	130.0	132.0	133.0	134.0	135.0	140.0	143.8	146.4
Millet	50.0	..	..	..	..	..	..	..	..	..	..
Sorghum (red)	50.0	..	..	..	..	..	..	..	..	..	..
<b>NIGERIA</b>											
Cocoa (bean)	1.3	3.5	7.5	11.0	10.1	8.5	10.2	12.7	..	..	..
Palm kernels	0.2	0.4	0.9	1.0	1.3	1.2	..	..	..	..	..
Cotton (seed cotton)	0.4	1.0	4.0	4.5	2.4	2.6	4.2	3.8	..	..	..
Groundnuts (in shell)	0.4	1.0	2.3	2.3	4.8	4.3	6.3	6.8	19.7	10.6	..
Sorghum	0.2	0.6	0.8	1.6	2.0	1.7	3.6	4.7	7.0	5.3	..
Millet	0.2	0.6	0.6	1.3	2.1	1.7	3.4	5.7	6.6	6.2	..
Maize	0.2	0.5	0.6	1.6	2.7	2.1	3.3	5.5	7.5	5.6	..
Rice (paddy)	0.3	1.0	2.3	3.8	6.3	6.3	7.5	12.6	18.8	12.3	..
Yams	..	1.0	0.9	2.0	2.4	2.3	2.6	5.9	11.7	14.4	..
Cassava (garri)	..	0.3	0.4	0.8	1.2	2.2	2.1	2.3	4.6	4.5	..
<b>RWANDA</b>											
Coffee	120.0	122.5	125.0	125.0	125.0	99.7	107.4	115.0	..	..	427.0
Tea	75.0	75.0	75.0	..	..	..	..	..	..	..	..
Beans (dry)	20.3	22.3	28.6	30.5	38.4	37.9	40.8	40.2	..	..	90.0
Sorghum	12.7	20.2	20.2	19.3	23.3	24.5	29.3	33.6	..	..	141.0
Maize	11.9	15.6	15.4	13.6	24.7	26.9	32.4	29.0	..	..	45.0
Bananas	..	..	..	10.6	10.7	12.7	15.9	14.9	..	..	..
Sweet potatoes	5.7	6.1	6.2	5.5	9.4	9.8	9.9	6.8	..	..	24.0

(Table continues on the following page)

## 8-1. Nominal producer prices (continued)

	Local currency per kilogram										
	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<b>SAO TOME &amp; PRINCIPE</b>											
Cocoa	16.5	24.0	25.0	26.0	27.0	28.0	29.0	30.0	..	..	..
Maize	1.9	2.5	2.6	2.6	2.7	2.7	2.8	2.8	..	..	..
Cassava	2.1	2.7	2.7	2.8	2.8	2.9	2.9	3.0	..	..	..
<b>SENEGAL</b>											
Groundnuts (in shell)	50.0	90.0	90.0	70.0	70.0	70.0	70.0	70.0	100.0	120.0	125.0
Cotton (seed cotton, first quality)	60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	115.0	150.0	170.0
Millet	40.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
Rice (paddy)	41.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	90.0	..	..
Maize	37.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
Sorghum	40.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
<b>SIERRA LEONE</b>											
Cocoa	2.1	17.8	30.2	30.2	..	..	..	..	..	..	..
Coffee (Robusta)	2.0	25.0	40.3	..	..	..	..	..	..	..	..
Palm kernels	0.2	1.1	1.3	..	..	..	..	..	..	..	..
Rice (paddy)	0.4	2.8	7.4	22.2	29.0	37.0	44.4	..	..	..	..
Cassava	0.3	4.9	..	..	..	..	..	..	..	..	..
<b>SOMALIA</b>											
Bananas	..	..	..	..	..	..	..	..	..	..	..
Maize	5.5	21.4	34.5	..	..	..	..	..	..	..	..
Sorghum	5.8	18.9	22.7	..	..	..	..	..	..	..	..
Sesame (seed)	25.2	61.6	76.4	..	..	..	..	..	..	..	..
<b>SOUTH AFRICA</b>											
Maize	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.4	0.6
Wheat	0.2	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.8
Sugar cane	0.0	0.0	0.0	0.0	..	0.1	0.1	0.1	0.1	0.1	0.0
Sorghum	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.5	0.4	0.4
Barley	0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.7
<b>SUDAN</b>											
Cotton (seed cotton, long-staple, grade 1)	0.4	1.8	2.5	4.3	4.8	6.7	14.1	37.2	..	..	..
Groundnuts (El-Obeid, in shell)	0.2	1.1	1.2	1.8	4.4	23.5	21.1	22.6	..	..	..
Sesame (El-Obeid, mixed)	0.3	1.3	1.6	5.0	6.5	12.7	30.9	41.6	..	..	..
Gum arabic (El-Obeid)	0.0	6.8	9.0	9.4	10.2	10.3	18.9	17.8	..	..	..
Sorghum	0.1	0.2	0.8	0.9	1.9	11.4	6.6	11.8	..	..	..
Wheat	0.2	0.7	1.0	2.3	2.9	5.7	8.3	11.4	33.3	..	..
<b>SWAZILAND</b>											
Sugarcane (sucrose)	0.0	0.0	0.0	0.0	0.0	..	..	..	..	..	..
Citrus	0.2	0.4	0.2	0.4	0.4	..	..	..	..	..	..
Pineapple	0.0	0.3	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.6	0.6
Cotton (seed cotton)	0.5	0.9	0.9	1.1	1.1	..	..	..	..	..	..
Maize	0.1	0.3	0.3	0.3	0.4	..	..	..	..	..	..
<b>TANZANIA</b>											
Coffee (Arabica) (parchment)	9.0	50.8	66.0	90.0	..	..	..	..	..	..	..
Cotton (seed cotton, AR)	3.2	16.9	19.5	22.4	28.0	..	..	..	..	..	..
Tea (green leaves)	1.5	7.6	9.9	13.4	..	..	..	..	..	..	..
Maize	1.0	6.3	8.2	9.0	11.0	..	..	..	..	..	..
Sorghum	1.0	4.8	6.0	0.0	0.0	..	..	..	..	..	..
Rice (paddy)	1.8	9.6	14.4	17.3	19.0	..	..	..	..	..	..
Millet	1.5	4.8	6.0	6.6	7.3	..	..	..	..	..	..
Cassava (grade 1, Makopa)	0.7	3.6	4.5	5.0	5.5	..	..	..	..	..	..
<b>TOGO</b>											
Coffee (Robusta)	200.0	365.0	400.0	350.0	175.0	175.0	185.0	140.0	350.0	650.0	..
Cocoa	220.0	330.0	360.0	300.0	225.0	250.0	250.0	225.0	300.0	550.0	..
Cotton (seed cotton)	52.0	105.0	105.0	95.0	95.0	100.0	100.0	90.0	110.0	145.0	..
Maize	68.4	73.0	72.0	79.0	60.0	61.0	58.0	73.0	43.0	62.0	..
Sorghum	68.0	76.0	66.0	98.0	69.0	68.0	67.0	92.0	64.0	68.0	..
Millet	66.7	59.0	61.0	87.0	72.0	58.0	75.0	87.0	61.0	52.0	..
Cassava	20.3	30.0	32.0	26.0	30.0	23.0	28.0	29.0	30.0	31.0	..
Yams	48.5	61.0	63.0	63.0	68.0	68.0	66.0	66.0	63.0	59.0	..

(Table continues on the following page)

## 8-1. Nominal producer prices (continued)

		<i>Local currency per kilogram</i>										
		1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<b>TUNISIA</b>												
	Olives	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
	Citrus (oranges)	0.1	0.1	0.2	0.2	0.2	0.3	0.3	..	..	..	..
	Wheat	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
	Barley	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
<b>UGANDA</b>												
	Coffee	0.1	8.5	24.0	44.5	60.0	97.5	210.0	190.0	..	..	..
	Cotton (seed cotton)	0.2	4.0	19.0	56.0	105.0	175.0	286.7	340.0	..	..	..
	Tea (greenleaf)	0.0	5.0	10.0	20.0	35.0	38.3	45.0	70.0	..	..	..
	Millet	0.2	7.4	17.6	30.7	109.6	134.8	142.6	294.3	..	..	..
	Maize	0.1	4.6	11.3	26.0	82.9	72.0	80.0	225.0	..	..	..
	Sorghum	0.1	5.4	18.3	30.5	84.6	104.0	115.3	237.3	..	..	..
	Cassava	0.1	2.3	9.3	22.5	35.5	39.5	76.0	163.0	..	..	..
	Plantains	0.1	3.9	7.5	13.6	46.9	51.2	64.5	156.7	..	..	..
<b>ZAMBIA</b>												
	Cotton (seed cotton)	0.5	1.0	1.6	3.0	3.6	9.7	..	..	..	..	..
	Tobacco (Virginia)	1.6	5.1	6.3	14.0	14.4	60.0	94.5	..	..	..	..
	Sunflower (seeds)	0.3	0.8	1.4	1.8	3.2	6.4	11.4	..	..	..	..
	Maize	0.1	0.6	0.9	0.9	1.2	3.2	5.6	..	..	..	..
	Wheat	0.2	1.0	1.2	2.1	..	5.4	8.6	..	..	..	..
	Cassava	..	0.6	0.7	1.0	1.4	3.2	5.4	..	..	..	..
<b>ZIMBABWE</b>												
	Tobacco	0.8	3.1	2.2	3.9	4.0	6.5	11.6	8.1	6.5	..	..
	Cotton (seed cotton)	0.4	0.8	0.8	0.9	1.1	1.4	1.6	1.4	2.6	..	..
	Sugarcane	0.0	..	..	..	..	..	..	..	..	..	..
	Maize	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.6	0.9	..	..
	Wheat	0.2	0.3	0.3	0.4	0.4	0.5	0.5	1.0	1.5	..	..

Notes: The categories of crops are defined in the technical notes.

Categories are mutually exclusive, and ordering is intended to reflect relative importance of these crops as of 1986-88. In many cases official markets operate simultaneously with parallel or open market activities. Where a large majority of marketed production is believed to pass through the official channels, the official price is also reported as the farmgate price. In most cases, only very rough estimates of the share of marketed production passing through each channel is available.

The CPI is based in 1987 rescaled from price index based in 1980.

For each country one to four export crops (X1,...,X4) are presented in order of importance, in terms of value of total production.

Similarly, up to three traded food crops (F1,...,F3) and two nontraded staples (NT1,NT2) are included.

## 8-2. Food price index

	Index (average 1995 = 100)											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	13	57	63	73	74	90	100	108	124	130	144		13.6	11.4
excluding South Africa	14	59	65	72	72	89	100	108	124	131	144		11.6	11.1
excl S Africa & Nigeria	15	59	66	73	74	89	100	108	124	130	144		9.7	10.9
Angola	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Benin	..	62	67	73	78	84	100	100	103	118	..	..	..	7.7
Botswana	18	55	61	72	83	90	100	113	125	132	142	..	9.6	11.6
Burkina Faso	..	80	87	81	76	89	100	115	..	..	..	..	-2.6	4.4
Burundi	35	69	74	73	72	85	100	..	..	..	..	..	3.3	6.3
Cameroon	56	81	80	79	81	84	100	..	..	..	..	..	0.7	1.5
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	71	69	68	65	81	100	106	107	..	..	..	-2.1	6.4
Chad	..	70	76	73	63	95	100	114	124	128	..	..	..	8.2
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	42	67	65	59	63	94	100	107	..	..	..	..	-1.0	8.0
Côte d'Ivoire	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	34	51	71	80	81	89	100	95	91	93	..	..	0.4	7.7
Gabon	..	84	83	69	70	93	100	107	..	..	..	..	0.1	4.5
Gambia, The	14	73	79	86	93	92	100	101	103	111	..	..	24.8	5.6
Ghana	1	33	36	39	49	62	100	136	164	199	..	..	23.1	27.7
Guinea	..	60	70	81	88	93	100	101	..	..	..	..	..	11.2
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	..	32	40	54	78	102	100	108	125	130	..	..	..	19.8
Lesotho	15	52	61	76	84	89	100	111	..	..	..	..	12.9	13.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	7	34	38	44	47	66	100	119	124	131	147	..	13.8	19.5
Malawi	5	20	23	30	37	52	100	145	157	201	..	..	21.1	34.6
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	..	71	74	76	87	95	100	105	113	120	127	..	6.7	7.2
Mozambique	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Namibia	..	59	62	74	79	90	100	107	115	118	..	..	14.3	10.3
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	4	26	29	43	68	100	100	224	243	259	..	..	23.1	35.0
Rwanda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	43	70	68	67	66	91	100	102	..	..	..	..	0.6	6.6
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	12	51	60	76	81	92	100	106	116	123	..	..	17.3	12.2
Sudan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	3	31	38	46	57	75	100	120	141	162	..	..	31.3	23.4
Togo	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uganda	..	47	58	96	92	96	100	107	..	..	..	..	..	13.4
Zambia	0	3	5	17	50	75	100	146	176	219	..	..	57.7	80.1
Zimbabwe	6	23	29	45	62	78	100	127	149	208	349	..	11.8	32.0
NORTH AFRICA	23	63	71	75	85	92	100	106	110	114	114	..	10.1	7.6
Algeria	13	29	35	44	55	78	100	122	127	135	136	..	9.7	21.4
Egypt, Arab Republic	11	61	71	77	83	91	100	108	112	116	..	..	21.6	9.1
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	32	65	70	74	87	93	100	101	100	103	102	..	3.7	5.9
Tunisia	34	76	83	86	89	92	100	104	108	111	114	..	7.4	4.8
ALL AFRICA	14	59	66	73	77	90	100	107	124	129	136	..	14.1	10.5

### 8-3. Food production index

	Index (average 1989-91 = 100)											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	74	108	107	112	115	117	124	123	129	131	132	0.9	4.1	2.7
excluding South Africa	77	109	109	113	116	120	126	125	132	134	134	0.9	4.1	2.9
excl. S Africa & Nigeria	81	106	104	107	110	114	118	118	123	124	124	1.0	3.2	2.2
Angola	91	104	111	109	125	123	128	123	148	141	143	-0.7	1.2	3.9
Benin	62	106	109	111	116	126	135	142	149	154	154	3.1	3.7	4.9
Botswana	73	107	103	104	90	106	106	102	96	99	99	0.7	-1.9	0.0
Burkina Faso	59	110	115	121	120	121	129	120	136	136	136	2.4	6.7	3.2
Burundi	79	105	108	107	90	97	98	97	92	92	88	0.3	3.4	-1.1
Cameroon	80	104	103	110	113	120	124	119	125	126	127	0.6	2.0	2.7
Cape Verde	55	90	83	133	105	126	125	131	140	139	139	1.8	21.3	3.9
Central African Republic	80	100	107	108	112	115	129	126	129	135	135	2.0	4.9	3.2
Chad	94	112	114	98	119	120	125	135	158	154	154	1.0	3.9	4.9
Comoros	84	104	103	108	109	115	113	113	123	118	118	0.6	3.9	2.0
Congo, Democratic Rep. of	73	103	105	105	107	109	95	98	95	92	90	2.3	3.3	-1.0
Congo, Republic of	82	98	101	103	111	115	116	111	116	119	119	2.3	1.8	1.9
Côte d'Ivoire	70	102	105	109	110	124	128	131	129	130	135	4.1	3.7	3.3
Djibouti	54	78	82	76	82	84	86	83	87	88	88	10.9	9.2	-1.2
Equatorial Guinea	88	100	100	103	96	89	99	92	94	100	96	0.0	2.1	-0.5
Eritrea	..	..	..	89	120	111	102	101	148	127	127	..	..	4.4
Ethiopia	..	..	..	98	98	108	125	126	116	123	120	..	..	3.4
Gabon	80	105	103	101	103	105	108	107	112	115	115	3.0	3.0	1.5
Gambia, The	72	95	73	86	90	88	70	92	91	129	129	-1.1	3.7	1.6
Ghana	69	118	117	125	120	138	149	150	157	167	167	-1.6	4.1	5.7
Guinea	98	108	116	118	122	128	132	137	144	143	143	0.9	-1.9	4.0
Guinea-Bissau	67	99	105	106	111	118	115	118	120	120	120	3.3	2.2	2.1
Kenya	66	100	98	93	102	102	104	106	106	104	104	2.2	7.3	0.7
Lesotho	88	83	89	101	109	90	111	117	97	101	101	1.0	3.2	0.4
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	86	102	102	106	104	107	109	110	110	112	103	1.1	1.0	0.9
Malawi	91	105	77	112	88	105	120	101	142	160	158	1.7	1.1	4.9
Mali	74	108	100	105	110	109	112	115	123	129	129	3.2	5.5	2.8
Mauritania	87	102	95	94	96	101	107	105	107	106	109	2.8	3.5	1.0
Mauritius	78	101	106	105	99	105	108	117	112	83	114	-0.3	1.8	0.5
Mozambique	101	94	81	93	91	109	123	130	139	140	114	-1.4	1.1	3.6
Namibia	109	103	105	108	114	110	118	129	96	96	100	-2.6	5.4	0.2
Niger	100	108	111	95	119	106	120	124	145	138	137	2.7	6.4	3.7
Nigeria	58	110	117	123	127	132	140	136	149	154	154	0.6	7.1	4.6
Rwanda	83	107	106	79	59	66	70	80	85	91	99	4.1	0.3	-1.2
São Tomé and Príncipe	112	99	123	127	131	118	137	133	152	163	167	-2.5	0.5	4.8
Senegal	59	100	93	103	105	117	108	98	101	121	121	-3.6	8.5	1.5
Seychelles	132	102	100	93	116	143	138	144	128	135	135	-0.2	-6.0	3.9
Sierra Leone	85	100	93	92	98	92	97	101	94	81	81	0.8	2.1	-1.4
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	91	100	85	96	101	87	103	102	98	103	109	0.6	4.2	0.7
Sudan	103	113	127	116	140	141	155	157	157	154	157	1.3	1.2	5.1
Swaziland	82	105	99	94	98	88	97	96	89	90	90	3.3	1.2	-1.0
Tanzania	74	100	95	97	96	101	103	94	104	106	106	3.6	2.2	0.6
Togo	76	98	101	120	104	117	136	141	133	144	145	1.2	3.6	4.1
Uganda	67	103	104	110	107	111	103	106	114	116	120	-1.6	3.7	1.5
Zambia	75	97	81	117	101	93	113	107	93	103	103	-1.5	8.3	0.4
Zimbabwe	76	96	65	89	100	75	107	108	98	108	119	-1.6	4.2	1.8
<b>NORTH AFRICA</b>	72	115	113	114	116	118	143	131	141	144	143	1.7	4.9	3.5
Algeria	69	113	120	113	105	121	143	116	129	135	129	0.2	4.1	3.0
Egypt, Arab Republic	68	105	111	114	115	126	138	142	144	151	154	2.1	4.4	4.7
Libya	82	103	102	103	111	125	134	126	157	164	165	4.9	0.8	5.4
Morocco	58	107	83	83	108	73	114	97	111	97	92	2.0	10.3	0.4
Tunisia	73	123	105	117	85	83	143	98	123	131	127	0.5	-0.5	2.9
<b>ALL AFRICA</b>	76	109	108	112	115	118	128	124	131	134	134	1.0	4.2	2.9

## 8-4. Nonfood production index

	Index (average 1989-91 = 100)											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	80	101	97	95	99	100	109	113	110	110	104	2.0	1.0	1.1
excluding South Africa	77	102	100	96	99	101	109	114	110	111	104	2.1	1.3	1.1
excl. S Africa & Nigeria	80	101	97	96	100	102	109	113	110	110	104	2.0	1.0	1.1
Angola	209	95	89	95	85	90	90	94	97	81	85	-19.4	-0.8	-1.4
Benin	12	126	117	195	174	219	280	261	253	253	253	8.1	3.9	11.9
Botswana	100	100	100	100	100	100	100	81	75	77	81	0.0	0.0	-2.7
Burkina Faso	35	100	100	92	95	91	125	205	194	178	178	8.9	10.5	7.6
Burundi	59	107	113	87	114	80	72	53	58	86	66	5.3	3.4	-4.9
Cameroon	86	105	91	88	98	112	126	101	129	116	104	3.5	0.9	1.9
Cape Verde	94	36	21	21	21	21	21	21	21	21	21	-3.0	6.1	-13.3
Central African Republic	89	92	73	60	94	85	130	137	110	72	80	-0.5	-0.5	0.2
Chad	51	109	76	65	73	99	138	138	166	145	145	-4.4	11.2	6.1
Comoros	64	72	79	65	79	86	79	69	103	79	94	-5.0	4.6	-1.0
Congo, Democratic Rep. of	105	98	94	92	90	87	79	76	67	56	49	0.6	-3.6	-6.0
Congo, Republic of	156	92	93	91	92	94	78	71	69	75	75	0.0	-5.1	-3.6
Côte d'Ivoire	77	91	67	76	81	84	81	114	131	139	139	0.2	12.5	4.0
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	92	93	85	85	78	70	63	54	52	55	55	2.2	0.4	-6.7
Eritrea	..	..	..	96	99	98	101	100	102	102	99	..	..	0.5
Ethiopia	..	..	..	92	101	109	109	109	110	111	108	..	..	1.9
Gabon	36	78	67	93	124	142	209	284	307	307	307	19.5	21.2	15.2
Gambia, The	55	95	123	157	135	84	79	51	25	26	26	22.5	3.9	-14.2
Ghana	86	137	174	239	170	184	244	253	321	300	300	-6.0	4.4	12.8
Guinea	48	111	120	120	117	112	96	105	127	146	146	0.9	11.1	3.0
Guinea-Bissau	111	103	66	83	75	109	109	100	100	126	126	25.0	-7.5	3.0
Kenya	62	101	94	99	99	115	121	107	123	118	104	6.1	4.5	1.7
Lesotho	87	105	176	176	176	180	116	123	85	85	92	2.0	-9.1	-2.1
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	90	93	86	91	89	83	84	77	83	85	79	-1.0	0.9	-2.2
Malawi	59	110	108	120	93	120	132	141	115	109	118	6.3	2.0	2.1
Mali	38	105	123	92	117	154	172	197	190	181	181	5.1	11.8	7.7
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	84	102	103	105	92	73	51	38	33	34	34	5.0	-5.6	-12.1
Mozambique	251	122	116	117	124	120	124	160	192	193	154	-6.7	-4.4	6.5
Namibia	276	75	88	96	123	115	109	121	119	135	135	-6.7	-1.0	3.1
Niger	84	89	131	140	178	275	204	166	145	208	208	-5.3	4.4	7.2
Nigeria	41	112	117	85	86	101	116	122	126	129	129	-8.0	23.7	3.1
Rwanda	61	94	117	90	25	65	63	73	76	80	76	6.4	3.6	-3.3
São Tomé and Príncipe	321	59	70	107	118	134	161	214	268	311	96	1.1	-20.6	11.3
Senegal	51	131	124	129	121	83	82	105	87	62	62	2.1	-2.4	-3.9
Seychelles	21	119	110	121	121	111	110	133	123	116	116	7.6	6.7	2.3
Sierra Leone	44	101	101	96	106	97	97	114	98	60	60	11.2	5.0	-3.4
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	107	99	80	69	73	66	66	60	62	67	59	0.7	0.0	-5.0
Sudan	100	99	81	84	114	127	128	113	106	103	125	-1.6	-7.4	2.1
Swaziland	65	107	24	41	31	19	41	66	49	60	60	-3.4	12.0	-3.5
Tanzania	100	124	126	106	97	126	134	132	98	98	96	-2.2	0.1	0.6
Togo	34	123	126	124	121	105	129	148	161	158	158	5.1	20.5	5.1
Uganda	82	104	84	107	141	131	199	160	162	183	169	-5.8	0.7	7.1
Zambia	49	113	60	134	68	100	87	126	123	133	125	5.1	7.4	3.5
Zimbabwe	77	110	101	117	106	104	129	137	153	129	153	2.1	1.8	4.3
NORTH AFRICA	84	100	98	97	92	91	95	100	94	95	97	4.1	-0.2	-0.4
Algeria	84	97	102	103	98	96	91	91	94	97	97	5.1	-0.7	-0.7
Egypt, Arab Republic	171	101	121	135	86	85	115	114	80	81	80	0.6	-6.5	-2.3
Libya	105	100	98	97	94	100	108	110	99	113	113	0.2	-1.6	1.2
Morocco	46	99	94	89	92	91	95	100	104	95	100	0.9	6.2	0.1
Tunisia	73	102	92	87	74	75	74	74	75	72	80	3.8	3.8	-3.1
ALL AFRICA	82	101	98	96	98	100	109	110	104	103	100	2.4	0.7	0.5



## 8-5. Food production per capita index

	Index (average 1989-91 = 100)											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	105	100	97	96	95	97	98	95	96	94	93	-1.5	0.5	-0.6
excluding South Africa	105	100	97	96	96	97	98	95	99	96	93	-1.5	0.5	-0.5
excl S Africa & Nigeria	105	100	97	96	95	97	98	95	96	94	93	-1.6	0.4	-0.6
Angola	120	100	103	99	109	104	105	102	113	105	102	-3.3	-1.6	0.5
Benin	84	103	103	102	104	110	115	126	120	121	118	0.3	0.6	2.2
Botswana	103	104	97	95	80	92	89	78	78	79	78	-2.8	-5.2	-2.6
Burkina Faso	77	107	109	111	108	105	109	102	109	106	103	-0.1	3.8	0.5
Burundi	104	102	103	99	81	86	85	83	77	76	72	-2.1	0.5	-3.2
Cameroon	107	101	97	101	101	104	105	100	100	99	97	-2.1	-0.9	0.0
Cape Verde	65	88	79	125	96	113	110	107	117	113	110	0.8	19.1	1.5
Central African Republic	102	98	102	101	102	103	113	108	109	112	110	-0.4	2.4	1.1
Chad	120	109	107	90	105	103	105	110	125	119	116	-1.3	1.6	2.0
Comoros	113	101	97	100	98	100	95	95	99	92	90	-3.0	1.0	-0.8
Congo, Democratic Rep. of	101	99	97	93	91	90	76	74	72	68	65	-0.8	0.1	-4.3
Congo, Republic of	108	95	95	94	99	99	97	93	93	92	90	-0.5	-1.1	-0.9
Côte d'Ivoire	100	99	99	99	97	107	108	108	105	104	107	0.2	0.3	0.7
Djibouti	98	74	76	68	71	72	72	72	72	71	70	4.0	2.9	-3.3
Equatorial Guinea	142	98	96	95	87	78	85	76	77	80	75	-2.2	-1.0	-3.0
Eritrea	..	..	..	85	112	101	89	89	119	99	95	..	..	0.8
Ethiopia	..	..	..	90	87	94	106	104	94	97	92	..	..	0.8
Gabon	109	102	97	93	92	91	91	91	90	90	88	-0.1	-0.1	-1.2
Gambia, The	102	91	67	77	77	72	56	71	68	93	90	-4.0	-0.5	-1.9
Ghana	97	115	110	114	106	118	124	117	125	128	125	-4.0	0.9	2.6
Guinea	127	104	106	102	102	103	105	108	113	112	111	-0.8	-4.3	1.2
Guinea-Bissau	81	97	100	99	102	105	101	101	101	98	96	-0.5	0.2	-0.2
Kenya	94	97	92	85	90	89	88	88	86	83	81	-1.6	3.6	-1.8
Lesotho	112	81	84	94	99	80	97	99	81	83	81	-1.5	0.7	-1.8
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	113	99	96	96	91	91	89	89	85	84	75	-1.5	-1.7	-2.2
Malawi	137	103	75	109	85	100	113	106	127	140	134	-1.4	-4.2	3.6
Mali	96	106	95	98	101	97	97	95	102	104	102	0.8	3.2	0.3
Mauritania	114	99	90	86	86	88	91	87	86	83	83	0.3	0.7	-1.7
Mauritius	86	100	104	101	95	100	102	108	104	77	104	-1.7	1.0	-0.5
Mozambique	119	92	76	83	77	89	98	100	105	104	82	-4.1	0.3	0.1
Namibia	142	100	100	99	103	96	101	71	78	77	78	-5.2	2.5	-3.0
Niger	139	105	104	86	104	89	99	76	112	103	99	-0.6	3.1	-0.1
Nigeria	77	107	111	114	115	116	120	120	122	123	120	-2.2	4.2	2.1
Rwanda	111	110	117	95	75	86	88	90	89	87	88	0.8	-3.5	-1.6
São Tomé and Príncipe	142	97	118	118	119	105	120	121	128	134	134	-5.1	-1.8	2.7
Senegal	78	97	88	95	95	103	93	85	82	96	93	-6.3	5.5	-1.0
Seychelles	146	101	98	90	110	136	130	133	118	122	122	-1.3	-7.2	2.8
Sierra Leone	105	99	91	90	95	87	90	91	82	69	67	-1.2	-0.3	-3.2
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	112	98	81	91	93	79	92	91	85	88	92	-1.6	2.1	-1.0
Sudan	132	110	122	110	129	128	137	134	133	128	129	-1.7	-1.2	3.0
Swaziland	110	102	94	86	87	76	82	72	71	69	67	0.3	-1.8	-4.0
Tanzania	102	97	89	88	84	86	85	79	83	83	81	0.4	-0.9	-2.1
Togo	102	95	95	109	92	101	114	116	107	112	110	-1.5	0.6	1.3
Uganda	84	100	98	101	96	97	87	87	91	91	91	-4.5	1.5	-1.3
Zambia	94	95	77	109	92	82	98	82	77	83	81	-4.3	5.7	-2.1
Zimbabwe	105	94	62	83	92	68	95	97	85	92	101	-4.6	0.8	0.1
<b>NORTH AFRICA</b>	92	105	101	105	101	107	122	96	107	113	109	-1.5	2.0	1.1
Algeria	92	110	114	105	96	107	124	96	107	109	103	-2.9	1.3	0.6
Egypt, Arab Republic	88	103	106	107	106	114	122	127	123	127	127	-0.3	1.8	2.7
Libya	119	101	97	96	101	111	116	124	130	132	130	0.4	-2.5	3.2
Morocco	72	105	80	79	102	68	104	86	97	83	78	-0.3	8.1	-1.3
Tunisia	93	121	101	110	79	76	129	87	107	113	109	-2.1	-2.6	1.2
<b>ALL AFRICA</b>	104	100	97	96	96	97	99	95	100	97	95	-1.4	0.6	-0.3

## 8-6. Volume of food output, by major food crop

	Thousands of metric tons												Average annual* percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	75-84	85-89	90-MR
<b>ALGERIA</b>															
Wheat	13,370	16,891	17,723	18,665	17,842	17,302	17,565	17,387	17,949	18,200	19,500	19,300	-0.3	0.1	0.1
Citrus	201	209	261	262	317	285	361	303	387	428	366	370	-0.1	0.0	0.5
Dates	281	222	252	250	253	227	237	243	280	307	300	300	0.4	0.5	0.4
Barley	1	2	2	2	2	2	2	0	0	0	0	0	0.1	0.4	-1.5
Potatoes	1	0	0	0	0	0	0	0	0	0	1	0	0.4	3.4	-0.7
<b>ANGOLA</b>															
Maize	11	4	4	4	21	19	20	21	21	16	16	16	0.5	-2.1	1.3
Millet	360	299	320	275	201	211	398	370	505	428	428	428	0.3	0.2	0.7
Cassava	165	170	180	185	180	185	188	189	190	182	182	182	0.0	0.0	0.1
Sweet potatoes	40	36	40	14	27	28	28	24	25	19	19	19	-0.1	0.1	-0.5
<b>BENIN</b>															
Palm oil	34	14	14	14	9	11	10	10	10	10	10	10	0.0	-0.1	-0.5
Maize	10	10	10	10	14	17	22	29	36	37	37	37	0.4	0.5	1.1
Sorghum	7	27	26	24	25	22	24	27	29	30	34	34	-0.1	1.3	0.3
Cassava	36	32	34	41	47	49	66	60	41	40	50	50	0.4	0.3	0.2
Yam	583	1,046	1,041	1,147	1,146	1,238	1,457	1,926	1,989	2,063	2,026	2,026	0.0	0.3	0.6
<b>BOTSWANA</b>															
Livestock (1,000 heads)	149	349	300	250	238	337	349	360	300	320	350	370	0.3	0.3	0.1
Onions, dry	1	1	1	1	1	1	1	1	1	1	1	1	4.4	0.0	-0.1
Sorghum	29	33	16	38	37	38	78	17	9	13	11	11	1.2	3.9	-1.3
Maize	12	15	3	3	11	2	25	12	1	5	9	9	1.2	1.8	-0.8
Millet	2	1	1	2	4	1	8	2	1	1	1	1	1.1	1.2	-0.4
<b>BURKINA FASO</b>															
Groundnuts	0	1	1	1	1	1	1	1	1	1	1	1	-1.1	2.5	-0.3
Sorghum	351	849	784	899	831	734	811	737	973	900	726	726	-0.1	0.5	0.3
Millet	105	315	341	271	350	212	294	366	378	350	424	424	-0.1	0.7	0.4
Maize	40	39	47	54	61	84	90	99	89	88	103	103	0.0	-0.4	0.6
Rice	3,200	5,198	5,354	5,515	5,681	5,851	6,027	6,207	6,393	6,585	6,585	6,585	-0.4	0.1	0.2
<b>BURUNDI</b>															
Maize	140	172	176	172	123	153	144	145	132	129	118	124	-0.1	0.1	-0.3
Sorghum	9	13	14	13	11	14	11	17	11	10	9	9	-0.1	0.1	-0.3
Rice	6	9	9	9	8	9	9	10	10	7	6	9	-0.2	0.1	-0.1
Millet	140	172	176	172	123	153	144	145	132	129	118	124	-0.1	0.1	-0.3
Bananas	10	14	14	14	10	13	10	11	9	10	9	9	-0.2	0.1	-0.4
Cassava	500	681	698	680	601	674	670	681	590	734	687	781	-0.2	0.2	0.1
<b>CAMEROON</b>															
Maize	46	90	52	79	80	62	54	65	73	67	68	68	-0.4	-1.4	0.1
Sorghum	100	63	55	60	50	66	71	71	71	71	71	71	0.4	-0.6	0.1
Millet	414	495	430	430	430	650	750	760	855	585	850	850	0.1	0.1	0.5
Rice	2	0	0	0	0	0	0	0	0	0	0	0	0.2	0.1	0.0
Cassava	130	150	150	150	150	150	150	150	148	179	180	180	0.1	0.6	0.1
Plantains	550	800	850	900	950	980	986	800	730	800	850	850	-0.4	-0.5	0.1
<b>CENTRAL AFRICAN REP</b>															
Sorghum	10	8	6	8	9	10	10	11	12	12	12	12	-0.1	-0.5	0.2
Maize	13	8	8	8	8	10	15	17	19	21	23	25	-0.1	0.7	0.7
Groundnuts	0	40	28	72	72	74	79	79	91	91	90	90	..	..	0.5
Cassava	0	1	1	1	1	1	1	1	1	1	1	1	0.2	0.3	0.2
Yam	920	586	580	575	518	492	526	579	608	559	560	562	0.1	-0.2	0.1
<b>CHAD</b>															
Sorghum	32	14	10	11	12	21	21	24	72	18	18	18	0.2	-0.1	0.3
Millet	215	283	294	347	325	356	330	330	310	315	315	315	-0.8	0.1	0.0
Groundnuts	47	118	108	23	91	79	98	112	121	131	69	69	0.4	3.9	0.0
<b>COMOROS</b>															
Bananas	32	54	54	55	57	56	57	53	59	59	59	59	-0.1	0.5	0.1
Cassava	33	48	51	52	48	49	50	51	52	52	53	53	0.2	1.0	0.2
<b>CONGO</b>															
Maize	3	3	4	4	4	4	4	3	4	4	4	4	-0.1	0.0	0.0
Cassava	15	16	15	15	16	16	17	16	16	17	17	17	0.0	0.1	0.0
Plantains	160	400	400	310	320	410	450	420	454	460	450	450	0.0	-0.4	0.2
<b>COTE D'IVOIRE</b>															
Palm oil	420	687	714	890	988	1,045	833	1,287	1,197	1,162	1,162	1,162	0.1	0.2	0.5
Rice	380	515	517	529	517	552	569	576	573	571	571	571	-0.4	0.1	0.1
Maize	34	49	51	53	55	56	60	65	60	60	60	60	0.1	0.1	0.2
Cassava	2,040	2,690	2,758	2,771	2,824	2,894	2,924	2,986	2,921	2,923	2,923	2,923	-0.1	0.1	0.1
Yams	1,550	1,493	1,537	1,445	1,318	1,250	1,320	1,350	1,155	1,155	1,155	1,155	-1.1	0.2	-0.2

## 8-6. Volume of food output, by major food crop (continued)

	Thousands of metric tons												Average annual* percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	75-84	85-89	90-MR
<b>EGYPT</b>															
Rice	1,736	4,483	4,618	4,833	4,437	5,722	5,735	5,849	6,093	6,347	6,564	6,564	0.0	0.8	0.4
Wheat	1,593	3,084	3,385	3,707	3,924	4,220	4,220	4,260	4,352	4,391	4,450	4,450	-0.3	0.2	0.2
Sugarcane	86	128	90	143	152	165	148	190	226	253	276	276	-0.2	0.1	1.0
Dry Broadbeans	10	31	20	11	12	14	23	24	25	33	37	37	0.2	0.6	0.4
<b>EQUATORIAL GUINEA</b>															
Cassava	21	35	35	35	35	35	36	35	34	36	36	36	-0.1	0.1	0.1
Sweet Potatoes	33	36	36	36	36	36	36	36	36	36	36	36	-0.1	0.0	0.0
<b>ETHIOPIA</b>															
Sorghum	0	0	0	135	177	154	244	296	260	381	320	320	..	..	0.9
Maize	0	0	0	787	875	986	1,125	953	983	970	750	750	..	..	-0.2
Barley	0	0	0	896	803	1,084	1,162	1,093	1,143	1,150	1,220	1,220	..	..	0.2
Sugarcane	0	0	0	262	263	264	265	265	266	267	250	250	..	..	0.0
<b>GABON</b>															
Oil palm	1	1	1	1	1	1	1	1	1	1	1	1	-0.2	0.1	0.1
Maize	105	164	168	171	175	179	183	187	191	195	198	198	-0.4	0.1	0.2
Cassava	10	24	25	27	28	23	24	24	25	25	26	26	-0.2	1.0	0.2
Yam	1	2	2	2	2	2	3	3	3	3	3	3	0.0	0.5	0.3
Plantains	7	16	15	15	16	16	16	17	18	19	20	20	-0.3	0.9	0.2
<b>GAMBIA THE</b>															
Groundnuts	5	12	12	9	9	12	14	13	10	18	25	25	-0.3	-1.0	0.6
Palm oil	60	84	55	77	81	75	46	78	73	126	126	126	0.0	0.1	0.2
Millet	43	21	19	12	20	19	18	17	27	29	33	33	-0.2	0.6	0.4
Rice	3	3	3	3	3	3	3	3	3	3	3	3	0.1	0.0	0.0
Maize	136	121	155	116	156	158	166	182	190	195	195	195	-0.1	-0.1	0.3
Sorghum	6	20	18	24	13	14	10	8	13	21	22	22	-0.5	-0.7	0.3
<b>GHANA</b>															
Maize	382	932	731	961	940	1,034	1,008	996	1,035	1,014	1,014	1,014	0.0	0.6	0.3
Millet	82	112	133	198	168	201	193	144	172	160	160	160	0.1	0.5	0.2
Groundnuts	142	67	100	140	176	168	162	154	212	190	190	190	0.0	0.5	0.3
Cassava	1,858	5,701	5,662	5,973	6,025	6,612	7,111	7,000	7,227	7,845	7,845	7,845	-0.1	0.0	0.7
Plantains	734	1,178	1,082	1,322	1,475	1,638	1,823	1,818	1,893	2,046	2,046	2,046	0.1	-0.1	0.6
<b>GUINEA</b>															
Palm oil	150	210	230	210	225	210	205	215	215	215	215	215	0.0	-0.1	0.1
Rice	40	43	40	48	50	50	55	55	50	50	50	50	0.0	-0.1	0.1
Maize	437	436	452	469	487	612	631	650	669	687	687	687	-0.1	0.3	0.4
Groundnuts	58	95	73	73	114	95	90	95	89	88	88	88	0.0	0.1	0.0
Cassava	25	19	13	3	4	5	6	5	5	5	5	5	0.0	-0.6	-1.2
Plantains	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
<b>GUINEA-BISSAU</b>															
Groundnuts	0	12	15	15	15	15	16	17	16	17	17	17	..	1.9	-0.1
Palm kernels	30	31	32	33	34	35	35	36	36	38	38	38	0.0	0.1	0.2
Rice	9	10	8	7	8	8	8	8	8	9	9	9	0.0	0.3	0.0
Sorghum	42	123	124	126	131	133	120	128	132	80	104	100	-0.3	-0.2	-0.2
Maize	6	5	5	4	5	5	5	5	4	5	5	5	0.1	0.5	0.1
<b>KENYA</b>															
Sugarcane	4,532	4,600	4,180	4,370	3,800	4,550	4,650	4,450	4,900	5,200	4,750	5,150	-0.4	0.1	0.0
Maize	1,620	2,340	2,430	2,089	3,060	2,699	2,160	2,214	2,430	2,250	1,800	2,700	0.1	0.0	-0.1
Wheat	216	195	126	150	297	313	320	252	315	135	105	105	-0.1	-0.2	-0.5
<b>LESOTHO</b>															
Wheat	1,044	1,467	1,382	1,176	1,277	1,131	951	938	696	720	750	730	0.1	0.4	-0.6
Dry Beans	59	10	19	52	61	7	36	29	23	33	25	25	0.3	0.7	0.1
Dry Peas	18	50	55	60	70	70	70	75	80	85	90	90	-0.8	0.5	0.5
Maize	0	1	1	1	1	0	1	1	0	0	0	0	-0.1	0.2	-0.1
Sorghum	106	49	61	92	149	63	188	142	119	125	102	102	0.0	1.3	-0.1
<b>LIBERIA</b>															
Rice	7	6	6	7	8	9	8	8	10	10	10	10	0.3	-0.4	0.5
Cassava	200	215	210	210	210	210	210	210	210	210	210	210	-0.2	0.0	0.0
<b>LIBYA</b>															
Wheat	5,500	5,100	5,000	4,950	5,000	5,100	5,500	6,500	6,800	5,000	5,100	5,100	-0.1	-0.4	0.0
Olives	13	15	14	14	15	15	15	16	17	17	17	17	0.0	0.0	0.1
<b>MADAGASCAR</b>															
Rice Paddy	2	4	4	4	3	4	3	4	4	4	4	4	-0.3	0.3	0.0
Cassava	1	1	1	1	1	1	1	1	1	1	1	1	-0.6	-0.3	-0.2
Sweet potatoes	128	145	130	165	155	177	180	178	152	181	150	150	0.0	0.1	0.0

## 8-6. Volume of food output, by major food crop (continued)

	Thousands of metric tons												Average annual* percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	75-84	85-89	90-MR
<b>MALAWI</b>															
Groundnuts	62	82	78	82	79	85	90	89	85	85	84	84	-0.1	0.1	0.0
Maize	1	1	1	1	1	2	2	1	2	2	2	2	-0.3	1.5	0.2
Sorghum	1,186	1,589	657	2,034	1,040	1,661	1,793	1,226	1,772	2,480	2,300	2,300	-0.1	0.1	0.4
Cassava	20	19	4	22	17	45	55	40	41	60	55	55	1.3	-0.1	0.8
<b>MALI</b>															
Groundnuts	200	312	275	284	262	293	285	303	300	300	300	300	0.0	0.6	0.0
Millet	2	3	1	2	3	6	3	3	7	15	10	10	0.2	-0.2	1.5
Rice	71	99	100	101	94	97	98	99	99	100	98	98	0.1	0.3	0.0
Sorghum	132	454	410	428	469	463	627	589	718	810	745	745	0.2	0.4	0.7
Maize	6,250	6,359	6,658	4,926	5,173	5,431	5,703	5,950	5,975	6,000	6,000	6,000	-0.1	0.1	0.0
<b>MAURITANIA</b>															
Sorghum	0	0	0	0	0	0	0	0	0	0	0	0	-0.4	0.2	-0.2
Millet	11	42	51	65	45	53	67	81	102	99	103	105	-1.0	1.2	0.6
Rice	42	40	28	32	32	35	37	39	41	43	30	30	0.0	0.0	-0.2
Maize	0	1	1	0	0	0	0	0	0	0	0	0	-0.4	0.1	-0.3
<b>MAURITIUS</b>															
Sugarcane	12	16	19	14	18	16	11	18	15	15	17	17	-0.3	-0.9	-0.1
Potatoes	12	6	7	7	7	7	7	7	7	7	7	7	0.1	0.0	0.1
Dry Onions	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.0	-0.1
<b>MOROCCO</b>															
Citrus	785	1,117	810	896	948	702	1,032	804	1,104	874	870	870	-0.1	0.3	0.0
Wheat	22	55	38	40	45	35	80	50	60	62	40	40	0.0	-0.2	-0.3
Sugarbeet	1	20	12	15	12	9	9	15	16	7	13	13	-0.7	3.2	-0.2
Barley	1,811	4,939	1,562	1,573	5,523	1,091	5,916	2,316	4,378	2,154	1,381	3,440	0.0	0.5	-0.3
<b>MOZAMBIQUE</b>															
Cashew nuts	3,600	3,690	3,239	3,511	3,352	4,178	4,734	5,337	5,639	5,353	5,362	5,362	-0.1	0.0	0.2
Maize	3	3	2	2	2	2	2	2	2	2	1	1	-0.5	-0.1	-1.0
Rice	106	118	118	119	117	119	120	122	123	124	125	125	0.0	0.1	0.0
Cassava	65	71	70	72	74	72	73	74	75	76	50	50	-0.2	0.3	-0.1
<b>NAMIBIA</b>															
Wheat	30	41	28	39	35	34	37	44	40	43	50	50	-0.1	0.0	0.2
Maize	1	3	2	2	2	2	3	2	2	3	2	2	-0.1	0.2	0.0
<b>NIGER</b>															
Cowpeas	162	126	76	117	65	78	96	130	101	101	165	105	0.0	-0.1	-0.2
Groundnuts	113	79	97	61	57	104	139	174	139	140	140	140	-0.2	0.1	0.3
Sorghum	10	1	1	1	2	1	4	3	5	8	8	8	0.0	0.6	1.2
Millet	30	75	70	70	62	51	53	44	54	60	60	60	-0.3	-0.7	-0.2
<b>NIGERIA</b>															
Groundnuts	510	1,352	1,411	1,576	1,545	1,751	1,847	1,909	2,055	2,108	2,150	2,150	0.2	0.5	0.4
Palm oil	6	7	7	7	8	8	8	8	8	8	8	8	-0.1	0.1	0.1
Sorghum	612	5,810	5,840	6,290	6,902	6,931	5,667	5,254	5,127	5,476	5,598	5,598	-0.1	1.4	0.0
Millet	1,090	3,226	3,260	3,065	2,427	2,920	3,122	3,268	3,275	3,277	3,298	3,298	-0.7	0.6	0.1
Maize	24	60	40	33	35	44	47	66	98	101	103	103	-0.2	-2.1	0.6
Rice	8,050	13,000	13,500	14,000	14,000	14,000	14,000	19,500	20,000	20,500	20,500	20,500	-0.3	0.2	0.4
Yam	100	184	218	359	305	1,168	1,478	1,493	1,560	1,662	2,468	2,468	0.0	0.6	2.2
Cassava	40	66	73	80	90	95	99	103	107	169	169	169	-0.2	-0.1	0.9
<b>RWANDA</b>															
Sorghum	0	0	0	0	0	0	0	0	0	0	0	0			
Maize	2	15	13	5	2	6	7	6	4	4	6	7	0.1	0.7	-0.7
Plantains	181	205	180	137	42	126	179	142	154	140	215	215	-0.3	-0.6	-0.1
Sweet potatoes	2	1	1	1	1	1	1	2	3	4	4	4	0.4	1.1	1.3
<b>SENEGAL</b>															
Groundnuts	7	3	0	1	3	4	3	4	0	0	0	0	-0.1	-1.7	-2.4
Millet	5	3	3	3	4	6	5	5	5	5	5	5	-0.1	-0.2	0.1
Rice	130	140	142	130	138	160	168	174	175	176	176	177	0.0	0.1	0.3
Maize	94	134	135	129	137	135	140	138	140	141	145	147	0.0	0.0	0.2
Sorghum	6	3	3	3	4	6	5	5	6	6	6	6	-0.1	-0.2	0.1
<b>SIERRA LEONE</b>															
Palm oil	19	26	24	24	31	28	31	30	30	28	28	28	-0.1	0.2	0.0
Palm kernels	19	26	24	24	31	28	31	30	30	28	28	28	-0.1	0.2	0.0
Rice	30	30	31	33	32	29	31	32	26	22	22	22	0.1	0.0	-0.3
Cassava	14	23	22	21	26	24	21	22	17	5	4	4	-0.6	-0.2	-1.4
<b>SOMALIA</b>															
Bananas	9	13	10	11	12	13	14	15	13	14	15	15	-0.3	-1.4	0.1
Maize	10,300	11,000	10,000	11,500	13,000	13,500	13,800	14,000	13,500	13,000	13,100	13,200	-0.1	0.4	0.0
Sorghum	1	1	1	1	1	1	1	1	1	1	1	1	0.0	0.1	-0.2
Sesame	420	290	280	200	200	200	210	180	190	210	220	220	-0.1	0.7	-0.3

## 8-6. Volume of food output, by major food crop (continued)

	Thousands of metric tons												Average annual* percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	75-84	85-89	90-MR
<b>SOUTH AFRICA</b>															
Maize	1,472	2,142	1,324	1,984	1,840	1,977	2,712	2,429	1,892	1,733	2,132	2,132	-0.1	1.6	0.0
Wheat	5,699	8,080	7,806	8,222	8,500	9,012	9,144	9,303	9,318	8,949	9,533	9,533	0.2	0.2	0.1
Sugarcane	711	302	118	515	520	291	536	433	358	224	472	186	0.2	0.5	-0.3
Sorghum	60	170	265	230	275	300	176	182	204	92	142	142	-0.4	-1.5	-0.6
Barley	31,641	32,580	30,955	28,930	29,134	28,784	28,934	29,187	29,345	28,680	28,551	28,800	0.0	0.0	-0.1
<b>SUDAN</b>															
Groundnuts	37	45	35	38	55	89	83	84	85	105	146	146	-0.2	-0.4	0.9
Sesame	0	11	40	32	48	25	20	11	11	8	2	2	..	1.9	-1.6
Sorghum	335	308	449	221	973	385	440	643	667	499	496	483	0.3	1.0	1.1
Wheat	17,623	23,043	26,518	30,977	37,145	37,180	37,202	39,835	42,363	44,802	46,095	48,000	-0.2	0.0	0.6
<b>SWAZILAND</b>															
Sugarcane	2	0	0	0	1	1	1	1	1	1	1	1	0.4	-3.6	-0.3
Citrus (oranges)	1	1	1	1	1	1	1	1	1	1	1	1	0.0	0.0	-0.2
Maize	32	24	28	27	27	24	27	25	27	20	27	32	-0.1	-0.1	0.0
<b>TANZANIA</b>															
Maize	90	65	59	59	75	84	78	111	129	82	90	90	-0.1	0.6	0.0
Sorghum	4	5	6	5	6	6	5	4	6	6	5	5	-0.6	0.1	0.0
Rice	3	5	5	5	5	5	5	5	6	6	6	6	-0.3	0.1	0.2
Millet	291	625	392	641	614	723	734	551	811	676	732	732	-0.1	0.4	0.0
Cassava	510	550	587	719	478	839	872	498	593	561	335	335	-0.3	-1.1	-0.2
<b>TOGO</b>															
Maize	539	1,200	1,200	1,200	1,100	1,096	841	607	740	740	740	740	0.2	0.6	-0.4
Sorghum	138	231	278	393	348	290	388	452	350	494	494	494	-0.2	1.5	0.5
Millet	15	40	25	34	39	33	77	86	87	81	81	81	0.0	1.1	0.9
Cassava	95	141	112	126	110	172	156	152	137	142	142	142	-0.1	0.0	0.0
Yam	2	2	0	27	9	1	5	6	6	6	6	6	0.0	1.7	0.1
<b>TUNISIA</b>															
Olive oil	22	80	80	90	92	90	83	131	143	127	133	133	-0.1	0.1	0.8
Citrus	2	7	8	8	9	9	10	10	10	10	10	10	-0.6	0.5	0.4
Wheat	11	12	12	12	12	12	12	12	12	12	12	12	-0.1	0.0	0.0
Barley	11	12	12	12	12	12	12	12	12	12	12	12	-0.1	0.0	0.0
<b>UGANDA</b>															
Millet	17	9	9	9	9	9	9	9	9	11	12	12	0.1	1.1	0.4
Maize	1,318	1,380	1,560	1,760	1,850	1,900	1,920	1,950	1,960	1,970	1,980	1,990	-0.2	-0.6	0.3
Sorghum	17	61	68	74	77	77	82	80	90	95	108	108	0.0	0.0	0.6
Cassava	299	363	375	383	390	399	298	294	420	413	361	361	0.1	0.3	0.1
Plantains	20	61	72	75	70	71	73	73	77	93	97	97	0.0	0.0	0.5
<b>ZAIRE</b>															
Palm oil	155	201	207	212	218	223	218	217	218	209	202	202	0.0	0.2	0.0
Maize	234	394	403	430	426	441	348	355	363	350	338	338	-0.2	0.2	-0.1
Rice	722	932	963	975	1,114	1,004	1,173	1,269	1,326	1,424	1,421	1,421	0.1	0.5	0.3
Cassava	26	34	35	36	38	37	48	62	55	50	50	50	0.1	0.1	0.4
Plantains	30	55	56	57	59	60	61	59	57	53	53	53	-0.4	0.2	0.0
<b>ZAMBIA</b>															
Sunflower seeds	920	1,150	1,300	1,220	1,311	1,310	1,400	1,500	1,550	1,650	1,600	1,800	-0.3	0.3	0.3
Maize	2	15	9	14	6	12	13	12	6	15	16	16	-0.9	-0.5	0.1
Wheat	168	180	181	182	183	186	188	166	157	157	157	157	0.1	0.3	-0.1
Cassava	4	10	8	10	9	8	10	9	8	10	11	11	-0.2	0.3	0.1
<b>ZIMBABWE</b>															
Sugarcane	20	31	25	30	31	30	31	30	29	30	31	31	0.0	0.1	0.0
Maize	191	259	58	276	239	83	280	300	280	320	250	250	0.0	0.1	0.0
Wheat	3	4	4	4	4	4	4	4	3	4	4	4	-0.1	0.1	-0.1

Notes: Crops shown represent same major food crops as in Table 8-1. Nominal producer prices, excluding beverages (coffee, tea, cocoa), cotton, and tobacco.

The following commodities are in their least-processed form unless otherwise indicated:

Groundnuts, unshelled

Rice, paddy

Sunflower, seeds

Citrus, total for country

Sesame, seeds

Livestock = combined total head of cattle, sheep, goats, pigs, horses, asses, and mules

Chickens/rabbits = combined total

For South Africa, barley production is for white areas only.

Countries excluded from listing: Cape Verde, Djibouti, Eritrea, São Tomé and Príncipe, and Seychelles.

\* The standard World Bank least square methodology was used to compute the annual percentage growth.

## 8-7. Value of agricultural exports

	Millions of U.S. dollars (current prices)											Average annual percentage growth		
	1980	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	12,212	10,099	10,711	10,358	9,563	9,258	9,317	11,506	13,108	14,312	13,368	1.8	2.0	4.6
excluding South Africa	9,695	8,582	8,699	8,440	7,725	7,467	7,738	9,389	10,823	11,823	10,904	2.0	0.6	4.8
excl. S. Africa & Nigeria	9,249	8,141	8,444	8,210	7,511	7,277	7,462	9,062	10,420	11,281	10,383	2.4	0.6	4.5
Angola	172	22	16	6	5	5	3	1	5	6	6	-12.8	-30.5	-7.6
Benin	55	44	79	84	86	93	83	115	201	188	198	3.0	-4.2	14.2
Botswana	51	74	79	79	90	91	96	97	132	115	115	5.2	2.7	5.9
Burkina Faso	80	87	66	116	94	86	93	80	141	123	119	5.3	5.1	5.6
Burundi	64	127	73	69	88	67	53	113	96	32	82	8.8	-4.0	-1.9
Cameroon	699	510	661	563	341	364	245	393	565	624	504	2.6	5.1	0.5
Cape Verde	0	0	0	0	0	0	0	0	0	0	0	17.7	38.3	-31.8
Central African Republic	60	54	69	45	46	33	36	37	51	28	33	6.8	3.3	-6.4
Chad	115	112	114	134	136	127	84	118	145	127	135	13.2	-7.4	0.9
Comoros	7	18	13	11	20	16	18	8	7	4	4	8.6	13.4	-16.4
Congo, Democratic Rep. of	235	165	182	141	78	83	53	93	135	102	95	-1.7	-8.5	-3.9
Congo, Republic of	13	10	7	15	14	17	9	7	11	16	15	-1.7	-15.1	2.8
Côte d'Ivoire	2,009	1,735	1,807	1,615	1,532	1,434	1,605	1,557	2,216	2,421	2,001	7.0	-2.7	4.2
Djibouti	0	0	0	0	0	0	0	0	0	0	0	96.6	18.8	-7.8
Equatorial Guinea	12	12	8	8	6	6	3	4	4	7	4	-4.0	-10.3	-6.5
Eritrea	..	..	..	..	..	..	4	4	2	2	2	..	..	..
Ethiopia	..	..	..	..	..	..	193	362	409	426	526	..	..	..
Gabon	14	8	7	3	6	7	4	5	8	10	10	13.3	-1.1	8.4
Gambia, The	28	13	10	14	12	11	15	15	16	16	12	-5.0	-22.1	2.9
Ghana	744	482	426	413	369	319	302	358	393	638	616	-5.1	3.2	5.2
Guinea	33	32	31	27	23	31	43	45	61	43	48	5.3	10.7	9.4
Guinea-Bissau	6	13	10	13	16	4	14	32	21	22	22	9.0	2.8	12.4
Kenya	693	735	669	687	641	812	975	1,044	1,153	1,165	1,157	6.5	-1.8	9.1
Lesotho	16	25	21	13	12	13	12	13	12	9	9	7.0	7.7	-7.7
Liberia	151	119	135	23	27	23	32	24	13	13	20	5.7	0.6	-16.5
Madagascar	334	180	206	176	157	143	133	237	200	138	92	2.6	-4.9	-4.8
Malawi	251	274	249	376	462	371	286	288	389	383	359	9.2	-0.6	1.5
Mali	192	208	240	251	267	266	251	239	270	312	271	12.3	3.8	1.8
Mauritania	39	33	34	44	47	48	49	31	38	40	40	7.3	-0.6	-0.6
Mauritius	302	356	346	379	365	402	367	367	420	501	405	-1.1	13.2	2.8
Mozambique	157	47	44	41	45	53	26	64	67	50	50	-8.0	1.4	3.4
Namibia	188	161	170	147	180	200	185	201	199	202	201	-8.0	18.9	3.1
Niger	86	50	54	62	65	55	48	48	45	45	45	8.4	-7.5	-4.1
Nigeria	446	440	255	230	214	189	275	327	403	542	522	-4.4	-2.5	12.9
Rwanda	66	99	113	95	85	60	52	14	42	39	38	5.5	8.6	-15.1
São Tomé and Príncipe	19	6	5	4	4	4	4	5	2	3	3	0.1	-9.9	-5.5
Senegal	115	153	204	219	135	126	91	126	115	87	58	-5.6	7.7	-12.7
Seychelles	3	1	1	1	1	1	1	1	2	2	2	-1.8	-16.3	16.3
Sierra Leone	59	31	21	18	24	11	9	21	15	16	14	-0.3	-11.6	-3.9
Somalia	125	76	75	74	41	62	60	68	75	76	76	4.9	3.6	2.4
South Africa	2,517	1,517	2,012	1,918	1,838	1,792	1,580	2,118	2,284	2,489	2,464	0.6	10.6	3.7
Sudan	553	507	662	550	381	367	455	471	501	565	556	1.9	5.8	0.3
Swaziland	211	272	253	347	339	306	265	283	291	311	300	6.7	20.8	0.0
Tanzania	406	289	299	279	243	281	303	379	431	496	400	-0.2	-0.6	7.5
Togo	77	100	92	120	101	125	75	76	127	133	128	5.4	4.8	2.7
Uganda	344	284	280	173	167	134	180	425	469	491	405	1.1	-7.4	13.9
Zambia	13	13	20	24	29	36	27	16	32	46	50	-8.1	10.3	8.7
Zimbabwe	453	608	592	750	731	584	617	1,177	895	1,207	1,157	4.4	5.0	9.1
NORTH AFRICA	1,544	1,310	1,296	1,406	1,591	1,396	1,313	1,708	1,892	1,876	1,895	-2.1	1.0	5.0
Algeria	120	30	35	50	54	76	97	35	108	137	91	-12.7	-9.2	13.2
Egypt, Arab Republic	677	514	532	427	391	401	360	553	536	521	442	-1.9	-6.9	1.4
Libya	0	0	0	0	0	0	0	0	0	0	0	-58.1	3.9	26.4
Morocco	606	572	520	647	670	581	509	598	780	896	832	0.4	11.9	5.5
Tunisia	140	193	208	282	477	338	347	523	468	322	530	-2.7	8.0	7.8
ALL AFRICA	13,756	11,408	12,007	11,764	11,154	10,654	10,630	13,214	15,000	16,188	15,263	1.2	1.9	4.6

## 8-8. Cereal production

	Thousands of metric tons											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	49,742	69,586	60,572	78,464	84,333	77,127	90,204	86,379	86,140	85,396	88,212	-0.6	8.0	3.0
excluding South Africa	36,369	58,296	55,527	65,671	68,366	69,635	76,553	73,149	76,042	75,535	75,145	0.0	7.3	3.6
excl. S. Africa & Nigeria	28,581	39,681	35,930	45,580	47,993	47,122	54,888	51,296	54,002	53,130	52,740	-0.3	5.7	4.2
Angola	435	372	402	322	285	296	525	457	621	550	550	-6.0	-1.4	7.5
Benin	346	587	609	627	646	725	714	906	867	890	890	3.0	2.0	5.2
Botswana	44	50	20	44	52	42	106	31	12	20	20	-20.5	60.0	-9.6
Burkina Faso	1,048	2,455	2,477	2,552	2,492	2,308	2,470	2,274	2,662	2,662	2,662	0.3	10.9	3.0
Burundi	217	300	306	300	225	269	273	305	261	265	251	3.9	5.4	-1.3
Cameroon	892	1,048	917	959	910	1,238	1,314	1,296	1,425	1,455	1,486	-1.6	3.5	5.9
Cape Verde	9	8	10	12	8	8	10	10	10	10	10	2.1	52.9	0.0
Central African Republic	100	92	94	94	101	113	126	138	148	173	176	1.4	4.0	5.6
Chad	573	812	976	683	1,059	907	975	1,079	1,353	1,153	1,153	-5.1	8.2	6.4
Comoros	18	20	20	21	21	21	21	21	21	21	21	1.4	1.4	1.1
Congo, Democratic Rep. of	889	1,507	1,553	1,655	1,708	1,766	1,557	1,633	1,692	1,649	1,622	3.9	5.8	1.2
Congo, Republic of	12	6	6	7	7	6	5	4	2	2	2	-6.2	8.1	-14.0
Côte d'Ivoire	860	1,286	1,319	1,511	1,599	1,690	1,494	1,963	1,870	1,832	1,832	2.6	1.7	4.6
Djibouti	0	0	0	0	0	0	0	0	0	0	0	..	-5.1	6.1
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	87	259	153	84	99	458	270	270	..	..	14.8
Ethiopia	..	..	..	5,295	5,245	6,740	9,379	9,473	7,197	8,406	7,845	..	..	6.5
Gabon	11	25	26	27	29	30	31	32	32	32	32	5.7	12.4	3.8
Gambia, The	70	111	96	97	95	98	103	104	114	144	144	7.0	0.1	3.4
Ghana	674	1,436	1,254	1,645	1,594	1,797	1,770	1,669	1,788	1,686	1,686	-0.6	3.9	4.8
Guinea	725	686	683	711	718	825	879	927	985	971	971	1.2	-4.6	5.2
Guinea-Bissau	93	179	169	181	190	201	174	183	191	191	191	8.3	-1.6	1.7
Kenya	2,233	2,773	2,849	2,530	3,663	3,275	2,773	2,767	3,082	2,514	2,264	-2.3	9.8	-1.3
Lesotho	194	67	94	153	223	81	256	206	171	174	174	-4.8	9.5	2.3
Liberia	243	130	110	65	50	56	94	168	210	210	210	2.2	0.2	1.5
Madagascar	2,238	2,497	2,591	2,724	2,517	2,642	2,685	2,742	2,610	2,829	2,357	0.5	1.5	0.2
Malawi	1,252	1,680	689	2,137	1,109	1,778	1,943	1,349	1,904	2,655	2,475	0.6	1.4	5.4
Mali	968	2,414	1,809	2,228	2,457	2,173	2,219	2,149	2,552	2,952	2,952	0.5	12.0	3.3
Mauritania	47	105	107	169	207	222	234	154	198	196	263	1.8	25.5	6.1
Mauritius	1	2	2	2	1	0	0	0	0	0	0	-0.9	-9.5	-23.1
Mozambique	663	546	242	765	791	1,127	1,379	1,531	1,688	1,821	1,476	-1.0	-4.7	13.9
Namibia	74	115	31	75	116	62	89	173	55	76	140	3.7	3.5	1.8
Niger	1,775	2,384	2,253	2,023	2,430	2,096	2,261	1,702	2,958	2,823	2,738	3.2	9.7	2.5
Nigeria	7,788	18,615	19,597	20,091	20,373	22,513	21,665	21,853	22,040	22,405	22,405	1.3	11.4	2.3
Rwanda	273	341	251	221	126	157	183	223	194	179	240	4.4	-3.0	-3.2
São Tomé and Príncipe	0	4	4	4	4	3	2	1	2	1	2	1.5	24.6	-6.0
Senegal	676	946	856	1,086	943	1,059	976	783	720	963	963	-1.6	3.2	-1.3
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	551	560	534	542	466	408	444	467	373	280	280	-1.0	1.0	-6.2
Somalia	267	256	209	165	405	285	290	284	197	207	207	8.2	5.2	-7.0
South Africa	13,373	11,290	5,045	12,793	15,967	7,492	13,651	13,230	10,098	9,861	13,067	-3.3	10.9	0.1
Sudan	2,701	4,637	5,438	3,102	5,146	3,305	5,202	4,261	5,603	3,097	3,896	-3.5	4.1	5.0
Swaziland	105	142	58	75	101	79	152	110	126	114	114	-4.2	-6.3	1.2
Tanzania	2,961	3,777	3,533	3,917	3,550	4,629	4,719	3,390	4,495	3,977	3,977	5.8	6.6	0.0
Togo	296	465	495	634	559	550	687	744	620	761	761	4.1	6.4	4.1
Uganda	1,078	1,576	1,743	1,880	1,936	2,030	1,588	1,625	1,911	1,874	1,899	-4.5	10.3	1.3
Zambia	984	1,225	612	1,758	1,170	882	1,573	1,137	798	1,057	1,028	-6.3	16.3	-3.1
Zimbabwe	1,989	2,060	481	2,498	2,780	987	3,127	2,723	1,829	1,987	2,513	-4.1	5.6	1.8
NORTH AFRICA	16,445	29,152	23,308	21,329	26,440	20,788	34,577	24,302	29,503	26,147	23,498	-0.3	5.1	1.3
Algeria	2,419	3,810	3,330	1,454	965	2,140	4,902	870	3,026	1,540	1,226	-2.5	-4.7	-3.4
Egypt, Arab Republic	8,100	13,864	14,611	14,961	15,012	16,097	16,542	18,071	17,941	18,677	18,941	1.0	5.4	4.4
Libya	215	258	218	180	165	146	160	206	238	251	238	4.2	3.8	-1.9
Morocco	4,515	8,665	2,950	2,818	9,639	1,783	10,104	4,098	6,632	3,860	2,082	-2.2	12.2	-5.6
Tunisia	1,197	2,556	2,199	1,917	660	622	2,869	1,056	1,667	1,819	1,012	0.5	-18.7	0.2
ALL AFRICA	66,187	98,738	83,880	99,793	110,772	97,915	124,780	110,681	115,643	111,542	111,710	-0.5	7.3	2.6

## 8-9. Crop production index

	Index (average 1989-91 = 100)											Average annual percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	76	108	106	110	116	118	127	124	132	133	133	-0.4	4.8	3.0
excluding South Africa	76	109	109	112	118	122	129	126	135	136	136	-0.4	4.6	3.1
excl. S Africa & Nigeria	82	106	103	105	110	114	121	120	126	125	125	-0.3	3.3	2.5
Angola	107	104	111	108	137	132	134	129	158	143	143	-6.5	0.9	4.2
Benin	52	110	111	127	128	144	162	172	172	178	178	3.2	4.3	6.8
Botswana	91	98	68	88	97	80	127	78	64	74	74	-6.4	13.1	-2.7
Burkina Faso	55	110	116	120	119	115	127	126	146	146	146	2.2	8.1	3.9
Burundi	77	106	108	105	90	96	96	96	90	92	87	0.8	3.3	-1.2
Cameroon	87	104	99	107	110	120	123	120	124	125	126	0.4	0.6	2.7
Cape Verde	79	77	73	82	73	70	98	101	97	97	97	3.0	22.5	0.3
Central African Republic	103	96	98	97	107	111	124	131	131	127	126	0.0	1.8	3.1
Chad	70	116	110	90	110	123	136	147	182	176	176	-1.1	6.6	6.8
Comoros	79	103	102	107	109	116	113	114	126	119	119	0.8	4.7	2.1
Congo, Democratic Rep. of	74	103	105	104	106	108	94	96	92	89	86	2.4	2.8	-1.3
Congo, Republic of	84	97	99	101	110	114	115	109	113	115	115	2.0	1.5	1.6
Côte d'Ivoire	71	99	97	102	104	116	119	128	129	132	136	3.3	4.8	3.4
Djibouti	71	98	99	99	100	100	102	106	106	106	106	29.6	2.4	0.7
Equatorial Guinea	90	98	95	97	90	82	87	92	81	86	83	0.6	1.5	-1.9
Eritrea	..	..	..	93	158	135	110	115	215	154	154	..	..	5.9
Ethiopia	..	..	..	96	96	111	131	138	117	126	121	..	..	4.0
Gabon	79	107	103	100	103	106	110	110	117	119	119	4.6	4.0	1.9
Gambia, The	66	94	69	85	89	84	63	87	84	129	129	-1.0	4.0	1.4
Ghana	68	121	120	130	123	144	156	159	167	178	178	-2.5	4.7	6.5
Guinea	92	109	118	119	122	126	129	135	143	142	142	0.9	-1.1	3.9
Guinea-Bissau	63	98	104	104	111	119	115	118	119	119	119	3.7	1.8	2.0
Kenya	72	99	98	94	109	112	110	106	116	105	100	1.6	6.3	0.8
Lesotho	92	60	71	90	122	74	136	133	114	117	117	-3.8	9.5	2.8
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	85	101	100	106	100	102	104	105	104	109	100	0.3	1.1	0.4
Malawi	84	107	83	115	89	111	127	111	140	154	154	2.0	1.2	4.7
Mali	51	112	99	100	115	117	123	129	139	148	148	0.1	11.4	4.5
Mauritania	61	88	89	111	138	149	152	127	139	147	171	2.4	17.5	5.1
Mauritius	80	102	105	101	92	100	98	104	104	72	104	0.1	0.1	-0.8
Mozambique	111	94	79	93	91	113	130	141	154	155	121	-2.3	0.5	4.7
Namibia	80	104	74	88	103	91	103	127	99	109	126	1.9	2.2	2.3
Niger	93	110	112	86	122	98	122	128	160	148	146	2.1	9.2	4.6
Nigeria	51	111	120	126	130	135	144	135	153	157	157	-1.0	10.1	4.8
Rwanda	82	106	108	78	52	63	67	76	82	87	95	4.3	0.4	-1.7
São Tomé and Príncipe	117	98	123	127	131	116	137	132	152	164	168	-2.7	0.4	4.8
Senegal	57	97	84	95	96	110	97	86	85	112	112	-5.1	8.8	0.4
Seychelles	190	107	86	87	103	118	124	116	107	106	106	-2.8	-11.1	1.6
Sierra Leone	81	100	92	91	98	90	95	101	94	75	75	1.0	2.2	-2.0
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	92	96	68	93	106	81	110	107	98	106	112	-0.5	6.9	1.4
Sudan	125	122	145	112	158	149	180	177	171	155	161	-2.4	-0.9	5.8
Swaziland	77	100	84	78	85	73	90	87	89	89	89	3.6	1.9	-1.0
Tanzania	79	101	94	94	92	99	103	89	99	101	101	3.0	1.3	0.1
Togo	71	102	104	121	105	113	137	146	140	152	152	1.8	5.2	4.6
Uganda	65	102	100	108	108	112	109	108	116	118	123	-3.2	4.4	1.9
Zambia	66	94	64	119	90	84	109	96	81	93	92	-2.5	10.4	-0.6
Zimbabwe	76	100	59	100	106	78	120	123	117	113	133	-0.6	4.0	3.3
NORTH AFRICA	78	111	113	113	110	110	146	122	135	136	133	1.0	3.7	2.8
Algeria	81	118	127	109	93	114	155	103	129	129	120	-1.6	2.3	2.4
Egypt, Arab Republic	77	104	112	116	112	123	135	134	136	143	145	2.1	3.3	4.0
Libya	79	102	100	104	108	116	125	122	131	134	133	4.1	1.8	3.3
Morocco	59	109	73	74	110	62	122	92	110	91	85	0.6	9.7	0.1
Tunisia	76	129	103	115	74	69	146	88	115	122	113	0.5	-2.5	2.0
ALL AFRICA	77	110	107	111	115	116	131	124	133	134	133	-0.1	4.6	3.0



## 8-10. Fertilizer use

	Thousands of metric tons											Average annual percentage growth		
	1980	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	1,973	1,914	1,972	1,927	1,920	2,170	1,962	1,832	2,099	2,038	2,059	4.4	-0.6	0.7
excluding South Africa	909	1,138	1,181	1,187	1,187	1,327	1,210	1,065	1,295	1,250	1,276	5.3	2.2	0.9
excl. S Africa & Nigeria	735	760	781	757	747	866	914	882	1,122	1,112	1,088	2.4	0.8	5.1
Angola	17	24	10	7	9	8	10	8	6	2	5	-0.5	16.0	-14.3
Benin	1	3	11	12	15	17	17	36	31	39	38	7.5	-15.0	26.0
Botswana	1	1	1	1	1	1	1	2	3	4	4	-5.7	2.7	22.4
Burkina Faso	4	21	21	21	21	21	23	24	24	43	50	23.4	11.1	9.0
Burundi	1	5	2	2	5	4	3	3	3	1	2	11.4	15.1	-7.6
Cameroon	32	29	17	18	24	22	30	30	34	39	40	12.9	-9.8	8.2
Cape Verde	0	0	0	0	0	0	0	0	0	0	0	-0.6	22.3	..
Central African Republic	1	1	1	1	1	1	0	0	0	0	1	-11.1	-17.6	-11.8
Chad	1	5	6	9	10	5	7	9	12	8	17	-4.9	-7.3	9.3
Comoros	0	0	0	0	0	0	0	0	0	0	0	..	..	21.7
Congo, Democratic Rep. of	8	8	6	8	2	4	10	9	6	0	0	0.1	-9.8	1.5
Congo, Republic of	1	1	2	1	2	2	2	2	4	4	5	4.0	-33.9	21.2
Côte d'Ivoire	53	39	36	39	37	54	65	66	71	110	113	1.4	-0.6	14.5
Djibouti	1	0	0	0	0	0	0	0	0	0	0	-44.2	..	..
Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	0.0	..	..
Eritrea	..	..	..	..	..	1	1	2	5	6	7	..	..	..
Ethiopia	..	..	..	..	..	74	122	131	178	132	164	..	..	..
Gabon	0	1	1	1	1	0	0	0	0	0	0	28.9	-18.8	-15.7
Gambia, The	2	2	1	1	1	1	1	1	1	2	2	7.9	-13.3	1.0
Ghana	12	8	13	8	10	8	8	10	17	21	15	-0.9	1.3	7.8
Guinea	0	1	1	2	1	2	4	5	4	2	3	-15.8	29.7	18.0
Guinea-Bissau	0	1	1	1	0	0	0	0	0	0	1	9.8	..	-6.0
Kenya	62	117	116	113	102	103	130	78	161	140	128	6.1	6.4	2.0
Lesotho	5	5	5	6	6	6	5	6	6	6	6	18.1	2.3	2.4
Liberia	3	3	0	0	0	0	0	0	0	0	0	-11.1	24.9	..
Madagascar	9	6	11	9	8	11	11	13	17	10	9	3.1	-1.5	3.9
Malawi	33	55	48	70	74	74	21	44	58	57	50	12.4	7.4	-2.0
Mali	14	18	15	15	27	25	25	27	27	48	53	14.3	-16.4	13.4
Mauritania	1	2	4	5	7	5	4	4	5	2	2	-9.6	28.4	-5.1
Mauritius	27	32	28	28	27	26	29	32	38	33	33	0.7	3.3	2.3
Mozambique	28	2	3	5	5	3	6	8	8	7	5	6.5	-13.1	11.2
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	3	3	2	1	1	2	6	10	9	1	1	23.0	-2.8	2.1
Nigeria	174	378	400	429	440	461	296	183	174	138	188	23.8	5.5	-12.1
Rwanda	0	1	3	2	1	1	0	0	0	0	0	11.8	-18.3	-16.6
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	19	13	12	17	17	24	26	16	22	24	27	-8.9	-3.3	8.1
Seychelles	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Sierra Leone	2	2	1	1	1	3	3	3	3	3	3	-3.5	-17.8	14.3
Somalia	1	3	3	0	0	0	0	0	1	1	1	7.3	-7.4	..
South Africa	1,064	776	792	740	733	844	752	767	804	788	783	3.6	-3.9	0.3
Sudan	81	49	89	56	60	53	58	52	95	77	38	-1.5	-3.8	-0.7
Swaziland	20	14	13	12	12	12	5	5	4	5	6	4.0	11.8	-13.2
Tanzania	36	49	51	50	48	36	36	27	31	38	28	-1.0	5.7	-6.6
Togo	3	12	12	12	12	10	11	16	18	17	17	8.6	10.2	5.6
Uganda	1	0	0	1	1	2	2	1	1	1	2	-16.2	-5.2	13.4
Zambia	79	79	60	63	85	85	59	55	51	57	40	2.2	6.1	-5.3
Zimbabwe	173	149	177	164	114	159	171	147	168	175	174	2.0	-0.3	1.4
<b>NORTH AFRICA</b>	1,221	1,585	1,589	1,534	1,455	1,660	1,429	1,608	1,645	1,590	1,730	6.5	1.3	0.8
Algeria	236	117	139	92	97	131	119	46	38	97	96	1.6	-11.9	-6.4
Egypt, Arab Republic	664	965	965	963	877	988	851	1,113	1,158	1,004	1,113	7.5	3.5	1.9
Libya	53	79	78	85	86	111	75	89	62	62	50	14.2	0.3	-4.4
Morocco	207	321	326	296	290	334	295	282	290	327	350	5.4	3.0	0.3
Tunisia	62	104	83	99	105	95	89	77	97	100	121	6.3	3.2	1.0
<b>ALL AFRICA</b>	1,194	3,500	3,562	3,461	3,375	3,830	3,391	3,439	3,744	3,628	3,789	5.3	0.3	0.7

## 8-11. Fertilizer imports

	Thousands of metric tons											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	971	1,088	1,043	1,154	1,273	1,218	1,005	1,429	1,424	1,443	1,513	5.9	-1.5	3.8
excluding South Africa	742	933	858	950	1,074	1,019	820	1,207	1,155	1,155	1,187	6.8	-1.0	3.2
excl S Africa & Nigeria	565	645	651	710	793	729	796	1,130	1,064	1,000	1,070	3.7	2.6	6.0
Angola	17	7	7	9	8	10	8	6	2	5	2	-0.2	19.3	-14.9
Benin	1	11	12	16	18	17	36	30	39	38	57	6.7	-16.1	25.1
Botswana	1	1	1	1	1	1	3	4	4	4	5	-5.7	2.7	22.5
Burkina Faso	5	19	21	21	21	23	24	31	44	50	51	23.7	14.8	10.5
Burundi	1	2	2	6	5	3	3	3	1	4	4	11.9	13.6	-2.9
Cameroon	32	23	18	21	22	47	32	34	39	40	50	13.2	-10.2	8.2
Cape Verde	0	0	0	0	0	0	0	0	0	0	0	-0.6	..	..
Central African Republic	1	1	1	1	1	0	0	0	0	1	1	-11.1	-17.9	-8.9
Chad	1	6	9	10	5	8	8	24	8	17	18	-4.9	-7.3	12.0
Comoros	0	0	0	0	0	0	0	0	0	0	0	..	..	17.9
Congo, Democratic Rep. of	8	6	8	2	4	10	9	6	0	3	1	0.1	-9.8	-12.9
Congo, Republic of	1	2	1	2	2	3	3	4	4	5	5	34.9	-38.7	20.7
Côte d'Ivoire	45	36	41	68	52	79	87	75	181	135	107	6.4	-9.3	15.7
Djibouti	1	0	0	0	0	0	0	0	0	0	0	-44.2	..	..
Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	0.0	..	..
Eritrea	..	..	..	..	1	2	2	6	6	7	11	..	..	48.8
Ethiopia	..	..	..	..	115	35	149	251	93	166	168	..	..	14.3
Gabon	0	1	1	1	0	0	0	0	0	0	0	28.0	-18.8	-21.4
Gambia, The	2	1	1	1	1	1	1	1	1	3	1	7.9	-15.0	3.7
Ghana	12	7	8	11	7	8	10	17	22	15	12	-2.3	15.5	3.9
Guinea	0	1	2	1	2	4	5	4	2	3	3	-16.0	29.7	15.9
Guinea-Bissau	0	1	1	0	0	0	0	0	0	1	1	9.8	..	-2.7
Kenya	62	107	113	102	100	131	78	161	134	127	153	5.2	4.6	3.5
Lesotho	5	5	6	6	6	6	6	7	6	6	6	18.1	2.3	2.2
Liberia	3	0	0	0	0	0	0	0	0	0	0	-11.1	24.9	..
Madagascar	9	11	9	8	11	11	13	17	10	9	5	3.1	-1.5	-0.8
Malawi	33	48	76	68	74	21	44	58	57	50	45	13.9	4.8	-2.2
Mali	14	19	13	27	25	25	27	27	48	46	23	14.3	-16.4	8.4
Mauritania	1	5	7	9	7	4	4	5	2	0	0	-9.6	28.4	-4.8
Mauritius	17	29	25	28	22	24	24	38	36	24	28	0.0	5.5	0.7
Mozambique	20	3	5	5	3	6	9	8	7	8	8	24.2	-23.1	12.8
Namibia	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Niger	3	2	1	1	2	5	8	9	1	1	3	23.0	-2.8	0.1
Nigeria	177	288	207	240	281	290	24	77	92	156	118	23.0	-10.1	-10.4
Rwanda	0	1	2	1	1	0	0	0	0	0	0	11.8	1.3	-16.4
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	16	29	31	27	35	14	18	16	34	34	35	-7.7	7.0	0.9
Seychelles	0	0	0	0	0	0	0	0	0	0	0	..	..	..
Sierra Leone	2	1	1	2	3	3	3	3	3	0	0	-4.1	-17.7	0.3
Somalia	2	3	0	0	0	0	0	1	1	1	1	0.9	20.5	..
South Africa	229	155	185	204	198	199	185	222	269	287	326	2.9	-4.1	6.4
Sudan	81	82	56	60	53	60	50	95	77	38	92	0.0	-2.6	1.7
Swaziland	18	13	12	12	12	5	5	4	5	6	6	1.2	11.8	-11.4
Tanzania	20	45	53	40	42	31	27	35	39	30	21	4.0	8.3	-5.8
Togo	3	12	7	12	13	13	14	22	17	17	17	7.6	9.6	6.4
Uganda	1	0	1	1	2	2	1	1	1	4	4	-13.1	-5.2	21.2
Zambia	69	62	63	86	68	53	52	47	53	34	51	-1.1	42.3	-6.7
Zimbabwe	56	46	39	44	49	63	33	81	87	70	77	5.9	0.3	7.8
<b>NORTH AFRICA</b>	588	495	390	344	332	312	381	287	432	473	475	-2.2	0.8	0.0
Algeria	189	40	28	19	26	52	19	51	90	90	86	-1.8	-19.9	11.2
Egypt, Arab Republic	182	189	102	107	59	13	76	33	87	131	126	-10.2	6.6	-5.1
Libya	53	68	76	87	107	73	102	62	62	42	58	11.5	4.2	-4.0
Morocco	133	173	169	126	136	167	177	137	187	195	201	3.3	3.4	2.2
Tunisia	30	26	15	6	4	7	7	4	7	15	5	-0.7	5.7	-6.4
<b>ALL AFRICA</b>	1,559	1,583	1,433	1,498	1,605	1,530	1,386	1,716	1,856	1,915	1,988	1.0	-0.8	2.8

## 8-12. Area under permanent crops

	Thousands of hectares											Average annual percentage growth		
	1980	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	123,373	132,301	132,405	133,371	134,181	149,668	150,902	152,570	152,843	153,340	153,451	0.7	0.9	2.1
excluding South Africa	110,933	119,151	118,965	119,641	120,161	135,358	136,302	137,655	137,968	138,530	138,660	0.8	0.8	2.2
excl. S Africa & Nigeria	83,083	89,798	89,426	89,841	90,239	105,314	106,137	107,284	109,268	110,330	110,460	1.0	0.8	3.0
Angola	2,900	2,900	2,900	2,950	3,000	3,000	3,000	3,000	3,000	3,000	3,000	0.0	0.0	0.4
Benin	1,500	1,620	1,615	1,620	1,630	1,650	1,660	1,670	1,680	1,690	1,700	1.7	0.6	0.6
Botswana	402	412	418	417	415	407	1,394	343	343	343	343	0.1	0.3	-2.0
Burkina Faso	2,745	3,540	3,520	3,495	3,470	3,450	3,381	3,400	3,400	3,400	3,400	1.8	4.4	-0.5
Burundi	920	835	810	800	800	790	780	770	770	770	770	-0.4	-1.5	-0.8
Cameroon	5,910	5,940	5,940	5,950	5,960	5,960	5,960	5,960	5,960	5,960	5,960	0.8	0.1	0.0
Cape Verde	38	40	41	41	41	41	40	39	39	39	39	0.0	1.2	-0.6
Central African Republic	1,870	1,920	1,920	1,920	1,930	1,930	1,930	1,930	1,930	1,930	1,930	0.5	0.2	0.1
Chad	3,137	3,223	3,273	3,322	3,342	3,370	3,390	3,420	3,470	3,500	3,520	0.5	0.6	0.9
Comoros	75	78	78	78	78	78	78	78	78	78	78	0.0	0.7	0.0
Congo, Democratic Rep. of	6,620	6,700	6,670	6,680	6,700	6,700	6,700	6,700	6,700	6,700	6,700	0.2	0.1	0.0
Congo, Republic of	138	152	154	156	155	160	163	165	167	170	173	1.5	1.0	1.5
Côte d'Ivoire	1,955	2,420	2,430	2,450	2,600	2,902	2,905	2,920	2,930	2,950	2,950	1.9	0.9	2.7
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	130	130	130	130	130	130	130	130	130	130	130	0.0	0.0	0.0
Eritrea	..	..	..	..	..	498	437	438	369	391	498	..	..	..
Ethiopia	..	..	..	..	..	11,000	9,822	9,850	9,850	9,900	9,950	..	..	..
Gabon	290	290	295	295	295	295	295	325	325	325	325	2.5	0.0	1.5
Gambia, The	155	176	182	191	157	156	175	180	185	195	195	1.0	2.5	1.1
Ghana	1,900	2,600	2,700	2,800	2,800	2,800	2,800	2,800	2,800	3,600	3,600	2.5	2.6	3.0
Guinea	702	728	728	735	755	785	820	883	885	885	885	0.4	0.3	2.8
Guinea-Bissau	255	300	300	300	300	300	300	300	300	300	300	1.0	1.0	0.0
Kenya	3,800	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	0.4	0.7	0.0
Lesotho	292	301	317	319	332	325	325	320	322	325	325	-2.3	1.5	0.5
Liberia	126	165	170	180	180	180	180	190	190	190	190	0.8	3.3	1.5
Madagascar	2,500	2,512	2,502	2,512	2,525	2,555	2,565	2,565	2,565	2,565	2,565	1.3	0.3	0.3
Malawi	1,518	1,810	1,815	1,823	1,830	1,837	1,845	1,875	1,875	1,875	1,875	3.0	0.7	0.5
Mali	2,010	2,053	2,053	2,063	2,163	3,060	3,160	3,379	4,606	4,606	4,606	1.0	0.4	11.7
Mauritania	210	380	400	410	420	431	470	498	488	488	488	4.0	6.3	3.1
Mauritius	100	100	100	100	100	100	100	100	100	100	100	0.0	0.0	0.0
Mozambique	2,870	3,040	3,070	3,100	3,120	3,120	3,120	3,120	3,120	3,120	3,120	0.3	0.9	0.2
Namibia	655	660	660	660	660	698	747	816	816	816	816	0.1	0.0	3.2
Niger	3,549	3,601	3,600	3,600	3,600	3,995	4,494	4,994	4,994	4,994	4,994	4.4	0.5	4.9
Nigeria	27,850	29,353	29,539	29,800	29,922	30,044	30,165	30,371	28,700	28,200	28,200	0.3	0.7	-0.5
Rwanda	760	850	880	880	880	850	700	700	750	800	820	2.0	0.8	-1.6
São Tomé and Príncipe	1	2	2	2	2	2	2	2	2	2	2	0.0	10.4	0.0
Senegal	2,341	2,327	2,325	2,323	2,320	2,318	2,331	2,230	2,230	2,230	2,230	0.0	-0.1	-0.6
Seychelles	1	1	1	1	1	1	1	1	1	1	1	0.0	0.0	0.0
Sierra Leone	450	486	486	486	486	486	485	485	485	484	484	1.1	0.7	-0.1
Somalia	984	1,021	1,022	1,022	1,023	1,024	1,030	1,035	1,038	1,039	1,040	0.5	0.4	0.2
South Africa	12,440	13,150	13,440	13,730	14,020	14,310	14,600	14,915	14,875	14,810	14,791	-0.2	1.3	1.4
Sudan	12,360	13,000	13,000	13,000	12,900	14,618	15,000	16,157	16,672	16,700	16,700	0.4	0.6	3.7
Swaziland	185	192	180	183	179	164	166	168	168	168	168	-0.9	3.1	-1.4
Tanzania	3,100	3,480	3,500	3,550	3,600	3,650	3,700	3,748	3,750	3,750	3,750	4.8	1.1	1.0
Togo	1,950	2,050	2,100	2,100	2,100	2,200	2,200	2,200	2,300	2,250	2,200	1.2	0.6	1.0
Uganda	4,080	5,000	5,000	5,020	5,040	5,040	5,060	5,060	5,060	5,060	5,060	1.5	0.8	0.1
Zambia	5,094	5,911	5,249	5,249	5,254	5,254	5,254	5,260	5,260	5,260	5,260	0.4	2.1	-0.6
Zimbabwe	2,505	2,852	2,890	2,928	2,966	3,004	3,042	3,080	3,165	3,251	3,220	0.8	1.4	1.5
<b>NORTH AFRICA</b>	21,634	22,597	22,786	22,954	23,738	23,951	23,870	23,914	24,152	24,179	24,243	-0.1	0.6	0.8
Algeria	6,875	7,129	7,081	7,260	7,562	7,533	7,477	7,519	7,521	7,650	7,661	0.0	0.7	0.8
Egypt, Arab Republic	2,286	2,296	2,284	2,267	2,519	2,617	2,624	2,817	2,820	2,834	2,834	-1.8	-0.1	3.0
Libya	1,753	1,805	1,805	1,810	1,815	1,815	1,815	1,815	1,815	1,815	1,815	0.2	0.3	0.1
Morocco	7,530	8,457	8,707	8,717	8,934	8,999	9,124	8,921	9,096	8,980	9,033	0.8	1.5	0.6
Tunisia	3,190	2,910	2,909	2,900	2,908	2,987	2,830	2,842	2,900	2,900	2,900	-1.2	-1.4	-0.1
<b>ALL AFRICA</b>	145,007	154,898	155,191	156,325	157,919	173,619	174,772	176,484	176,995	177,519	177,694	0.6	0.8	1.9

## 8-13. Agricultural yields by major crop

	Thousands of hectograms per hectare												Average annual* percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	75-84	85-89	90-MR
<b>ALGERIA</b>															
Wheat	7.3	10.8	9.9	8.1	8.0	8.9	13.1	8.0	8.8	10.7	9.2	10.7	3.7	2.0	2.1
Citrus	262.9	87.2	92.5	87.1	91.4	80.2	86.1	87.2	101.8	111.3	104.6	106.6	-2.2	2.1	1.9
Dates	30.0	25.5	31.2	31.0	37.2	32.8	37.3	31.4	39.5	42.7	36.5	37.0	3.7	3.6	3.1
Barley	8.4	11.6	9.0	6.3	6.5	7.1	14.0	7.2	7.5	10.9	7.6	10.4	7.1	0.9	1.4
Potatoes	77.7	90.7	107.9	111.2	95.1	136.8	134.6	141.0	160.3	153.5	161.0	160.0	1.3	-2.0	3.6
<b>ANGOLA</b>															
Coffee(green)	2.2	0.5	0.5	0.5	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.4	-12.2	-5.5	-2.1
Maize	6.0	4.0	3.8	2.6	2.5	3.5	7.0	6.0	7.4	6.4	6.4	6.4	-3.5	4.8	5.3
Millet	7.1	4.8	4.8	2.7	5.4	5.1	4.8	3.8	5.0	5.3	5.3	5.3	-3.5	0.8	0.0
Wheat	5.8	8.0	8.0	8.6	10.0	16.7	16.7	16.7	17.1	13.3	13.3	13.3	-6.3	-1.3	4.2
Cassava	33.8	40.3	42.3	42.3	58.6	51.0	48.1	44.2	55.7	59.8	59.8	59.8	-0.9	-1.5	2.9
Sweet potatoes	91.7	89.5	90.0	88.1	85.7	88.1	85.5	85.9	86.4	82.8	82.8	82.8	0.2	0.1	-0.4
<b>BENIN</b>															
Seed Cotton	6.6	11.7	12.0	17.9	13.9	13.3	12.3	10.2	9.4	9.3	9.4	9.4	0.2	-2.2	-1.2
Maize	7.4	9.3	9.8	9.8	10.2	11.7	10.8	12.6	11.1	11.1	11.0	11.0	0.1	-4.1	1.4
Sorghum	6.3	7.8	7.7	7.6	7.8	7.5	7.6	8.1	8.2	8.2	8.0	8.0	-0.8	0.0	0.5
Cassava	65.9	83.0	83.8	84.9	81.5	78.4	87.2	104.1	105.0	106.0	106.6	106.6	-1.3	-2.5	1.7
Yams	97.2	114.0	106.0	107.7	108.4	109.7	102.6	116.2	109.5	109.4	114.4	114.4	-0.9	-1.5	-0.1
<b>BOTSWANA</b>															
Sorghum	2.2	3.7	2.9	2.9	2.2	2.1	2.6	2.1	1.8	1.9	1.1	1.1	-11.8	-12.7	-4.4
Maize	2.5	4.0	1.9	1.4	1.7	1.2	2.5	3.9	1.4	2.5	1.1	1.1	-11.7	10.2	-4.1
Millet	1.6	1.8	1.3	1.4	3.6	1.0	3.7	2.5	1.7	1.9	1.7	1.7	-5.7	-22.3	0.6
<b>BURKINA FASO</b>															
Seed Cotton	8.3	9.3	10.0	9.6	8.9	8.5	10.1	12.4	9.7	10.7	10.7	10.7	10.1	-2.6	0.4
Groundnuts	5.1	5.6	6.3	9.5	8.4	8.2	7.9	6.5	10.0	9.5	9.5	9.5	4.5	-3.5	2.5
Sorghum	5.7	9.1	9.1	8.9	8.0	8.0	9.1	7.9	8.5	7.9	7.3	7.3	2.5	-1.8	0.4
Millet	4.9	7.0	6.5	7.0	6.3	6.4	7.5	6.4	7.8	7.2	6.3	6.3	4.0	-2.2	1.5
Maize	9.0	16.9	13.5	13.7	16.0	13.3	15.5	15.2	13.9	14.0	15.1	15.1	1.7	-4.9	1.2
<b>BURUNDI</b>															
Coffee	6.3	9.0	9.3	8.2	9.4	7.3	7.2	6.1	5.9	9.4	7.4	7.4	0.5	2.2	-0.7
Tea	4.0	8.8	10.7	9.0	10.4	9.8	7.5	5.6	8.9	9.2	9.7	9.7	-4.5	2.9	0.9
Maize	10.8	13.9	14.2	14.3	12.3	12.8	13.1	12.6	11.5	11.2	10.5	10.8	0.3	-0.9	-1.3
Sorghum	10.0	11.2	11.5	11.3	9.9	13.2	13.2	12.4	12.5	12.0	12.2	12.6	0.1	1.5	1.1
Rice, paddy	23.5	30.9	31.1	30.9	29.4	26.8	27.9	32.6	29.9	32.6	30.4	32.1	3.2	-6.3	-0.5
Millet	10.0	11.2	11.0	10.3	11.1	14.4	11.3	16.7	11.1	11.2	10.5	10.5	0.5	-0.4	0.0
Bananas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cassava	90.9	89.8	92.0	89.9	87.9	83.5	85.8	86.2	88.8	88.2	90.0	89.1	0.0	0.6	0.0
<b>CAMEROON</b>															
Coffee	3.0	4.0	2.6	2.5	3.0	3.0	3.9	1.8	3.8	2.4	3.3	2.6	3.6	-7.8	-1.1
Cocoa	2.6	3.0	2.9	2.9	3.1	3.7	3.5	3.5	3.5	3.1	3.2	3.1	0.3	-0.5	0.4
Seed Cotton	12.9	12.7	12.7	12.3	11.7	10.3	11.7	11.2	11.3	10.9	11.6	10.6	11.4	-3.4	-1.0
Maize	8.3	19.8	11.3	9.6	9.6	16.3	18.8	20.3	20.4	19.3	24.3	24.3	0.4	-0.7	0.3
Sorghum	8.7	7.7	7.6	7.6	7.3	8.7	8.3	8.9	11.1	13.7	11.9	11.9	1.4	-5.5	2.7
Millet	7.6	10.5	10.0	10.3	10.0	10.2	10.1	10.1	10.1	10.1	10.1	10.1	1.3	-6.2	-0.2
Rice	23.4	45.0	34.7	43.7	44.4	38.8	47.0	32.5	31.9	33.1	34.0	34.0	10.2	-2.7	-2.1
Cassava	59.0	162.2	136.3	131.8	130.4	118.7	112.5	102.7	86.8	99.6	103.4	105.0	0.2	0.9	-2.8
Plantains	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>CENTRAL AFRICAN REPUBLIC</b>															
Coffee	3.6	6.9	5.0	4.1	8.2	4.7	7.2	6.0	5.1	4.5	5.2	5.2	1.0	-2.5	-1.3
Seed Cotton	3.4	5.1	6.0	6.6	6.5	7.6	6.9	7.7	7.3	7.0	4.6	7.7	3.8	3.5	1.4
Sorghum	6.5	10.1	12.6	11.6	8.0	7.3	7.8	8.4	8.8	12.9	13.6	14.4	-1.5	-8.5	0.1
Maize	3.8	8.1	9.0	9.0	8.5	8.5	8.5	9.2	9.8	10.6	11.2	11.9	-1.1	-3.1	0.9
Groundnuts	10.1	8.6	9.8	9.8	9.4	9.4	9.3	9.7	10.2	11.0	11.6	12.2	3.0	-2.3	0.6
Cassava	30.7	33.6	34.5	34.5	31.0	28.9	29.2	30.5	30.4	28.0	28.0	28.1	0.4	-0.3	-0.7
Yams	60.0	65.7	68.4	65.0	66.7	66.7	68.0	68.0	67.9	67.9	67.9	67.9	0.2	-0.6	0.3
<b>CHAD</b>															
Seed Cotton	5.1	6.4	6.3	6.3	6.8	7.6	7.5	7.3	7.8	7.6	7.6	7.6	6.4	3.2	0.4
Sorghum	5.1	5.7	7.4	6.2	6.2	6.5	6.0	5.8	7.4	6.5	5.7	5.7	1.2	-1.4	0.2
Millet	4.7	4.0	5.2	3.9	4.9	3.6	4.1	3.8	4.5	4.4	3.1	3.1	2.1	-1.1	0.1
Groundnuts	5.7	10.2	8.1	7.1	7.5	9.2	9.6	8.8	11.2	9.7	9.7	9.7	1.0	-5.5	1.2
<b>COMOROS</b>															
Bananas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cassava	48.5	53.0	56.6	57.9	53.6	53.3	54.0	53.9	54.1	54.1	55.2	55.2	-1.7	1.0	0.6

## 8-13. Agricultural yields by major crop (continued)

	Thousands of hectograms per hectare											Average annual* percentage growth			
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	75-84	85-89	90-MR
<b>CONGO</b>															
Coffee	8.0	4.0	4.2	4.3	4.4	4.6	4.1	4.2	4.1	4.1	4.1	4.1	2.3	-6.4	-0.2
Cocoa beans	5.6	3.8	3.9	3.9	4.0	4.0	3.3	3.2	3.3	3.4	3.1	3.1	0.6	1.5	-0.6
Maize	8.1	6.8	7.1	7.3	7.6	7.8	7.0	7.0	6.7	6.7	6.7	6.7	-0.4	-2.2	-0.3
Cassava	68.8	73.7	73.9	65.6	67.3	71.8	71.9	70.9	71.9	71.8	71.8	71.8	2.2	0.5	0.3
Plantains	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>COTE D'IVOIRE</b>															
Coffee	2.4	1.6	1.0	1.1	1.1	1.4	1.3	1.7	1.8	1.8	1.8	1.8	-6.7	1.6	-0.8
Cocoa	5.0	5.4	5.6	5.5	5.4	5.7	5.8	5.6	5.6	5.8	5.9	5.9	0.7	0.1	0.4
Oil Palm, fruit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rice	11.7	11.0	11.0	17.6	15.8	16.1	12.8	16.1	16.0	15.5	15.5	15.5	1.1	0.1	2.0
Maize	8.1	7.5	7.9	8.0	7.7	8.1	8.2	8.2	8.2	8.2	8.2	8.2	2.2	0.5	0.8
Cassava	52.3	52.0	50.1	49.5	50.5	52.9	50.9	50.7	50.5	49.9	49.9	49.9	3.1	-0.3	-0.6
Yams	90.7	89.7	89.0	88.0	89.6	99.8	108.3	108.6	108.2	108.3	108.3	108.3	1.5	0.1	0.9
<b>EGYPT</b>															
Seed Cotton	26.9	22.8	27.6	29.2	22.4	21.4	24.8	25.5	18.9	22.8	22.8	22.8	4.2	2.4	0.2
Rice, paddy	58.3	74.6	76.5	77.2	79.1	81.4	82.9	84.2	86.4	88.8	91.0	91.0	1.4	-1.0	1.8
Wheat	31.2	48.2	52.5	53.0	50.0	54.2	56.4	56.0	59.9	63.5	63.4	63.4	-0.8	0.4	1.5
Sugarcane	812.5	1,036.4	1,029.1	1,061.7	1,093.4	1,095.3	1,107.4	1,122.5	1,172.0	1,181.7	1,205.3	1,205.3	..	-5.0	1.2
Dry Broadbeans	20.7	34.0	21.4	35.1	22.7	31.7	32.0	31.9	32.3	22.9	23.6	23.6	-0.5	-0.9	-1.0
<b>EQUATORIAL GUINEA</b>															
Cocoa	1.1	1.0	0.8	0.9	0.8	0.7	0.8	0.7	0.8	0.9	0.8	0.8	-1.6	2.5	-1.4
Coffee(green)	3.4	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.7	3.7	3.7	-0.4	0.0	-0.1
Cassava	24.6	25.6	26.1	26.1	26.1	26.1	25.3	25.0	25.3	25.0	25.0	25.0	-0.4	0.0	-0.5
<b>ETHIOPIA</b>															
Coffee(green)	2.4	4.1	3.9	4.3	4.3	2.7	3.7	2.6	2.4	2.4	2.4	2.4	..	0.4	-3.4
Maize	16.6	16.9	17.6	17.9	17.7	15.2	15.7	15.7	16.1	16.4	16.2	16.3	..	0.9	0.1
<b>GABON</b>															
Coffee(green)	2.4	4.1	3.9	4.3	4.3	2.7	3.7	2.6	2.4	2.4	2.4	2.4	7.5	0.4	-3.4
Sugarcane	497.5	517.0	488.9	542.0	568.6	569.5	528.6	519.9	546.8	506.8	591.2	587.5	15.6	0.3	0.4
Maize	16.6	16.9	17.6	17.9	17.7	15.2	15.7	15.7	16.1	16.4	16.2	16.3	1.8	0.9	0.1
Cassava	50.0	51.6	51.1	49.3	49.1	50.1	49.8	49.1	50.4	49.8	50.7	51.1	-0.1	-0.1	0.0
Taro (cocoyam)	58.8	57.8	57.6	60.4	61.7	59.6	60.0	60.5	61.1	61.6	61.6	61.6	0.0	1.4	0.5
Yams	56.4	64.7	66.7	64.7	69.4	68.4	67.5	70.0	72.5	75.0	75.0	75.0	1.1	0.3	1.0
<b>GAMBIA THE</b>															
Groundnuts	8.7	10.5	8.5	12.1	10.8	9.6	7.1	11.1	10.4	11.3	11.3	11.3	-0.7	0.5	-0.2
Seed Cotton	6.9	6.3	7.5	9.4	5.9	4.2	4.7	4.4	3.0	3.3	3.3	3.3	4.1	-0.2	-4.4
Oil Palm, fruit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Millet	8.7	10.3	11.2	10.3	10.6	9.8	11.0	9.0	9.6	9.4	9.0	9.0	-0.4	0.8	-0.3
Rice, paddy	19.7	15.3	17.3	14.6	15.4	12.3	10.7	11.7	15.4	18.3	18.1	18.1	8.8	-1.8	0.5
Maize	10.7	11.8	15.1	16.3	12.6	12.9	12.2	11.7	14.3	14.5	14.9	14.9	3.2	-2.3	0.8
Sorghum	8.0	9.6	9.5	11.0	10.6	8.5	10.8	9.6	8.1	9.7	9.6	9.6	1.1	-5.1	0.6
<b>GHANA</b>															
Cocoa	2.3	3.4	4.3	3.6	4.2	4.0	3.8	3.0	3.0	3.1	2.9	3.0	-0.4	-6.2	-1.1
Maize	8.7	15.3	12.0	15.1	14.9	15.1	15.2	15.3	14.9	14.5	14.5	14.5	-0.9	-4.6	0.7
Millet	5.9	5.4	6.4	9.7	8.8	9.8	10.2	8.4	9.5	9.1	9.1	9.1	0.9	1.5	3.0
Groundnuts	17.0	6.7	7.7	8.8	9.4	9.3	9.0	8.7	10.9	10.3	10.3	10.3	-0.7	-2.3	0.1
Cassava	80.8	106.6	102.6	112.3	115.8	119.9	120.4	118.8	114.8	120.7	120.7	120.7	1.2	-1.5	2.2
<b>GUINEA</b>															
Coffee(green)	3.2	5.2	5.3	5.2	5.5	5.1	4.1	4.0	4.2	4.2	4.2	4.2	-0.2	-4.0	0.0
Oil Palm, fruit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rice, paddy	9.0	13.8	13.3	13.8	13.8	14.4	14.7	14.9	15.2	15.0	15.0	15.0	0.2	-2.9	2.2
Maize	10.0	10.4	10.7	10.4	10.3	9.7	9.9	10.1	10.4	10.4	10.4	10.4	-1.8	0.1	0.2
Groundnuts	6.6	8.8	10.1	8.8	9.2	9.1	9.5	9.8	10.3	10.3	10.3	10.3	0.1	-0.7	2.5
Cassava	70.0	74.9	71.7	75.5	71.9	63.0	61.2	59.7	58.0	56.5	56.5	56.5	0.0	-0.5	-1.9
<b>GUINEA-BISSAU</b>															
Groundnuts	3.5	7.8	10.1	10.0	11.7	11.0	11.0	11.6	11.3	11.9	11.9	11.9	-1.8	-6.5	1.8
Rice, paddy	7.0	20.1	19.0	19.7	20.1	19.1	18.4	19.1	19.1	11.2	18.9	18.2	-2.4	-1.4	-1.7
Sorghum	6.4	10.3	8.6	9.0	9.2	9.3	9.1	9.2	8.5	8.3	7.5	8.3	-1.9	-4.7	-1.6
Millet	7.2	12.2	8.6	8.6	7.7	9.1	8.6	9.1	9.3	8.3	9.2	9.2	0.8	-4.3	-1.7
Maize	10.0	11.4	9.5	9.3	9.3	10.0	9.4	10.0	10.0	9.9	9.5	9.6	0.6	-4.4	-0.9

## 8-13. Agricultural yields by major crop (continued)

	Thousands of hectograms per hectare												Average annual* percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	75-84	85-89	90-MR
<b>KENYA</b>															
Coffee(green)	8.9	5.6	5.5	4.7	5.0	5.9	6.0	4.9	3.3	5.1	4.1	4.5	-1.7	-3.1	-2.9
Tea	11.7	20.4	18.2	20.1	19.8	22.0	22.6	19.4	25.1	22.0	21.2	21.2	2.0	-1.2	0.9
Sugarcane	1,211.8	960.7	877.7	841.3	662.1	810.4	815.8	794.6	844.8	866.7	819.0	858.3	4.8	-2.7	-1.9
Sisal	9.9	11.4	11.4	11.7	11.3	13.2	13.4	13.4	12.9	12.4	12.5	12.5	-0.2	0.5	0.8
Maize	12.0	15.9	17.3	16.0	20.4	19.6	16.6	14.7	16.2	15.0	13.8	18.0	-0.9	-3.5	-0.3
Wheat	21.6	18.6	12.6	9.7	19.2	19.6	20.0	16.1	23.3	13.5	13.2	13.2	3.2	-4.6	0.1
<b>LESOTHO</b>															
Wheat	9.7	2.0	8.6	7.3	4.2	6.2	13.3	11.8	11.6	12.3	11.1	11.1	1.9	0.7	5.3
Dry Peas	7.8	0.7	5.6	5.4	3.1	2.9	9.2	3.5	5.8	7.8	7.4	7.4	4.9	-6.5	6.3
Dry Beans	5.2	3.4	2.9	10.7	3.2	12.4	6.3	10.4	8.4	8.0	7.7	7.7	4.0	-4.9	1.3
Maize	9.6	5.4	5.8	8.9	8.6	8.1	12.5	9.9	9.5	9.4	9.1	9.1	2.8	-5.7	1.0
Sorghum	9.7	5.4	6.1	13.0	8.8	8.0	8.6	8.1	7.6	11.1	9.3	9.3	2.7	-8.6	1.7
<b>LIBERIA</b>															
Rubber	7.6	9.5	10.7	10.0	10.0	9.3	10.0	10.0	10.0	10.0	10.0	10.0	-1.1	-0.2	-0.2
Coffee(green)	4.6	1.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	-1.1	-1.6	1.8
Cocoa	2.3	1.0	0.9	0.8	0.9	1.3	1.3	1.2	1.3	1.3	1.3	1.3	-1.2	-3.3	0.0
Rice, paddy	12.3	9.1	9.2	10.8	11.1	11.2	12.5	12.4	12.9	12.9	12.9	12.9	0.4	0.4	1.3
Cassava	66.7	64.3	66.7	61.3	62.5	60.3	65.0	65.1	65.3	65.5	65.5	65.5	1.5	-0.5	-0.9
<b>LIBYA</b>															
Wheat	5.2	12.4	11.9	8.4	7.7	7.3	7.3	10.1	10.3	10.2	9.7	9.7	2.3	0.3	-0.7
<b>MADAGASCAR</b>															
Coffee	3.7	3.8	3.7	3.7	4.2	3.5	3.5	2.9	3.1	3.4	3.3	3.3	-1.3	-0.8	-0.6
Vanilla	0.4	0.6	0.4	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	-6.6	7.6	-0.3
Cloves	1.7	1.8	1.4	2.1	1.8	1.7	1.7	1.8	1.7	1.9	2.0	2.0	-7.7	-1.6	2.4
Rice	17.6	20.5	20.9	20.8	20.7	21.3	21.9	21.7	20.3	21.5	19.1	19.1	-1.1	0.2	0.1
Cassava	60.8	66.5	67.1	67.7	67.4	68.9	67.4	67.5	67.0	68.0	63.7	63.7	-1.2	0.6	0.0
Sweet potatoes	48.6	50.3	53.1	51.1	53.8	59.1	58.1	56.0	54.3	55.9	54.2	54.2	-2.9	-0.6	0.4
<b>MALAWI</b>															
Tobacco leaves	8.6	9.7	9.7	10.0	12.5	12.2	12.4	13.8	10.9	9.2	10.5	10.5	2.7	-1.0	0.9
Tea	17.1	21.9	15.4	21.3	18.7	18.2	19.8	23.4	21.5	22.6	22.7	22.7	2.0	-4.2	0.1
Groundnuts	7.1	8.2	4.0	9.0	5.4	4.6	5.6	6.9	9.0	9.2	9.2	9.2	-0.8	0.4	1.2
Seed Cotton	6.9	6.3	7.5	9.4	5.9	4.2	4.7	4.4	3.0	3.3	3.3	3.3	4.1	-0.2	-4.4
Maize	12.2	11.4	4.8	15.2	9.2	13.5	14.4	9.9	12.7	17.7	17.0	17.0	0.0	-2.1	2.5
Sorghum	6.7	6.0	1.4	4.9	3.1	6.1	7.2	4.7	6.1	6.7	6.5	6.5	-4.0	-7.1	0.5
Cassava	58.4	23.4	20.1	28.8	34.7	34.7	45.9	56.7	54.6	53.9	54.2	54.2	-0.6	2.4	6.2
<b>MALI</b>															
Seed Cotton	10.6	13.3	13.6	12.8	11.5	12.1	10.7	10.5	10.8	10.7	10.7	10.7	3.8	0.0	-1.7
Groundnuts	8.9	10.9	7.5	7.8	8.4	9.4	9.8	9.5	9.7	9.7	9.7	9.7	0.5	-7.4	0.1
Millet	6.2	8.3	5.9	5.4	6.4	5.5	7.9	7.3	7.9	8.3	7.6	7.6	6.1	-0.7	0.5
Rice, paddy	9.7	17.3	17.6	17.4	16.5	15.3	19.1	17.8	21.8	23.1	22.6	22.6	1.0	0.7	2.8
Sorghum	8.0	10.9	6.8	7.5	7.6	8.3	10.0	9.8	9.9	9.9	9.9	9.9	6.7	0.4	0.6
Maize	11.1	13.8	10.1	11.0	11.3	12.9	15.8	16.9	16.8	16.8	15.9	15.9	9.2	-1.3	1.4
<b>MAURITANIA</b>															
Sorghum	3.2	4.5	5.0	5.9	5.8	6.4	6.9	4.1	4.7	4.4	7.1	7.1	-2.9	1.4	-0.2
Rice	32.0	28.1	39.9	32.9	27.4	39.4	38.3	37.2	40.6	50.3	43.1	43.8	1.7	1.4	1.3
Millet	2.3	2.7	2.6	2.6	2.9	3.6	3.4	1.4	1.6	4.1	4.1	4.1	4.3	-6.7	-0.5
Maize	6.5	6.0	7.7	12.3	5.0	8.0	5.9	8.6	8.4	6.4	8.3	8.5	4.9	-8.6	0.0
<b>MAURITIUS</b>															
Sugarcane	576.8	740.0	770.0	729.7	659.2	716.5	732.6	795.4	780.9	535.7	743.2	743.2	-1.7	1.3	-0.7
Potatoes	165.6	197.4	192.1	200.9	175.7	198.5	195.9	215.8	176.0	239.4	212.5	212.5	1.8	0.7	0.4
Onions	107.6	137.7	151.4	164.6	176.0	184.4	177.9	171.3	220.6	287.8	257.1	257.1	2.0	-2.8	4.6
<b>MOROCCO</b>															
Wheat	10.6	18.7	7.0	6.8	18.1	5.5	18.4	9.3	14.2	8.0	4.8	12.7	5.9	-10.5	-1.9
Sugarbeet	353.5	438.7	528.6	490.6	499.8	467.7	487.1	415.4	577.2	619.9	544.0	517.2	2.7	-1.5	1.5
Barley	10.3	13.8	4.8	4.8	14.4	3.9	15.8	6.6	8.1	7.1	2.1	5.7	4.9	-15.6	-2.6
<b>MOZAMBIQUE</b>															
Seed Cotton	4.9	5.3	5.8	6.1	6.6	6.0	6.8	4.4	4.6	4.8	4.7	4.7	3.1	4.1	3.6
Tea	10.3	7.7	5.1	8.4	10.0	4.9	8.4	7.5	7.5	8.0	18.6	18.6	0.7	9.3	4.9
Maize	5.4	3.2	1.6	6.3	5.2	6.8	9.4	9.0	9.0	10.8	9.4	9.4	-6.2	-4.9	7.6
Rice, paddy	8.3	5.3	3.0	6.2	8.3	8.7	9.7	10.9	10.6	10.9	9.8	9.8	-2.0	-1.2	2.6
Cassava	41.4	38.0	33.3	41.7	36.9	42.4	47.7	53.8	55.6	55.9	57.9	57.9	0.4	0.5	1.8
<b>NAMIBIA</b>															
Wheat	25.0	59.0	51.9	43.8	52.5	40.0	43.8	46.4	60.3	55.5	62.7	62.7	4.5	-2.5	2.1
Maize	12.3	12.0	2.4	7.8	11.5	8.8	6.7	15.9	5.5	4.7	12.8	12.8	0.4	-10.7	-3.5

## 8-13. Agricultural yields by major crop (continued)

	Thousands of hectograms per hectare												Average annual* percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	75-84	85-89	90-MR
<b>NIGER</b>															
Cowpeas	2.4	1.5	1.0	0.5	1.8	0.5	1.0	0.6	2.1	1.1	1.2	1.2	5.0	-9.4	1.2
Groundnuts	6.7	3.4	3.3	2.3	4.5	3.8	4.7	3.8	4.9	4.1	3.9	3.9	2.5	-2.5	3.5
Millet	4.4	4.2	3.6	3.5	4.0	3.4	3.5	3.0	4.5	4.3	4.2	4.2	1.7	-7.4	0.2
Sorghum	4.8	2.1	1.5	1.3	2.0	1.4	1.9	1.5	2.2	2.3	1.9	1.9	0.6	-5.7	-0.1
<b>NIGERIA</b>															
Cocoa	2.2	3.7	4.0	4.2	4.3	2.6	4.4	4.3	5.0	3.0	3.5	3.5	-3.5	-7.6	0.3
Oil Palm, fruit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Seed Cotton	1.8	4.8	5.3	5.3	5.3	5.8	6.7	8.1	7.3	7.4	7.4	4.0	-9.7	-6.0	1.9
Groundnuts	8.4	12.1	12.4	11.8	9.2	8.9	10.1	11.2	9.7	10.5	10.9	10.9	4.6	-3.7	-2.2
Sorghum	11.2	9.7	10.8	10.8	10.8	11.5	11.4	11.1	11.3	11.3	11.2	11.2	8.3	0.0	0.8
Millet	8.3	9.0	10.3	9.5	9.5	10.9	10.6	10.8	10.6	10.6	10.3	10.3	5.8	0.4	0.0
Maize	13.2	11.3	11.2	11.8	12.7	12.7	13.3	12.5	13.2	13.8	14.0	14.0	6.3	-2.6	0.4
Rice, paddy	19.8	19.5	19.6	19.6	14.2	16.3	17.5	16.0	16.0	15.0	15.0	15.0	6.2	3.6	-2.0
Yams	105.4	103.5	113.5	113.5	114.0	107.7	106.8	110.5	94.4	95.5	95.6	95.6	1.1	-6.1	-0.4
Cassava	95.8	101.9	105.9	105.9	105.9	106.7	106.6	118.8	107.5	106.4	108.0	108.0	0.1	-1.4	-0.2
<b>RWANDA</b>															
Coffee(green)	6.9	5.2	6.8	5.2	2.9	11.0	7.6	7.4	5.7	7.0	5.6	6.7	2.5	3.0	-0.5
Tea	7.4	11.3	11.1	11.2	4.6	6.0	8.2	11.0	12.2	12.9	11.7	11.7	-4.9	-1.4	-0.4
Sorghum	12.4	12.8	7.5	12.8	6.9	11.5	13.6	11.2	10.5	8.3	10.3	10.3	0.9	2.4	-1.0
Maize	11.8	11.6	12.3	17.4	16.8	11.2	11.1	10.9	8.2	7.6	8.3	8.4	1.1	0.1	-2.6
Plantains	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sweet potatoes	76.3	62.5	66.0	60.4	34.1	50.0	51.1	49.7	50.5	47.9	57.4	55.6	2.7	2.6	-1.2
<b>SENEGAL</b>															
Groundnuts	4.9	8.3	6.0	8.5	7.6	9.4	7.0	6.9	10.4	10.1	10.1	10.1	3.0	2.8	0.9
Seed Cotton	6.9	11.8	10.7	11.4	11.0	8.2	7.6	9.7	6.0	9.6	9.6	9.6	-3.4	2.0	-2.1
Millet	4.7	6.7	5.8	6.7	5.9	7.5	6.2	5.2	5.6	5.7	5.8	5.8	3.5	4.0	-0.5
Rice, paddy	9.6	23.5	24.1	24.8	20.9	22.5	20.2	23.3	27.2	25.0	22.9	22.9	3.4	-1.2	0.5
Maize	7.3	11.3	10.9	12.7	10.1	10.9	10.4	9.7	8.7	9.4	9.1	9.1	-3.5	0.1	-1.8
Sorghum	7.7	7.8	8.9	7.8	8.7	8.6	8.9	7.7	5.9	6.4	6.3	6.3	3.3	-0.7	-1.8
<b>SIERRA LEONE</b>															
Cocoa	4.0	3.8	2.7	2.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	-0.2	-0.8	-0.7
Coffee(green)	12.7	22.6	23.0	23.0	18.5	17.9	17.9	21.9	18.6	11.0	11.0	11.0	0.3	-1.6	-4.1
Palm oil	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rice, paddy	12.5	13.5	13.5	12.7	12.3	13.0	13.5	13.0	11.5	11.6	10.9	10.9	-1.1	-0.7	-0.8
Cassava	38.0	54.0	53.3	45.8	58.7	58.5	58.6	49.9	51.6	51.8	51.8	51.8	-3.5	-3.7	0.2
<b>SOMALIA</b>															
Bananas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maize	10.1	10.0	10.1	9.9	4.1	7.3	7.1	6.4	7.5	7.2	8.4	8.4	-1.4	-3.0	-3.5
Sorghum	3.1	4.1	3.1	2.9	4.1	3.4	3.2	3.1	3.6	3.0	3.3	3.3	1.7	-2.2	-2.4
Sesame	4.6	4.1	3.8	3.1	3.0	3.4	3.3	3.4	3.0	3.1	3.3	3.3	-3.0	-1.6	-2.2
<b>SOUTH AFRICA</b>															
Maize	24.2	22.6	7.9	22.8	28.5	13.8	27.0	25.2	21.6	22.3	28.3	20.3	6.3	-5.1	1.2
Wheat	9.0	14.9	17.7	18.5	17.6	14.5	21.0	17.6	25.3	24.1	24.8	24.8	-0.3	3.0	4.0
Sugarcane	661.4	727.4	471.6	422.9	582.4	612.0	699.2	747.0	724.8	672.1	742.3	742.3	-2.1	2.4	0.2
Sorghum	26.9	18.2	6.2	21.6	22.9	16.1	30.8	26.9	27.3	22.6	33.2	20.6	6.3	-0.7	2.5
Barley	8.8	12.6	19.2	19.8	22.9	24.0	13.9	13.8	18.2	9.1	18.3	18.3	8.3	7.6	-1.9
<b>SUDAN</b>															
Seed Cotton	8.2	14.6	11.4	12.1	14.1	12.4	12.1	14.6	12.3	8.6	14.7	14.9	2.0	3.1	-1.4
Groundnuts	8.0	7.8	7.0	5.5	8.0	6.8	8.6	7.2	5.6	6.9	6.8	6.9	-1.6	-2.9	0.7
Sesame	2.6	1.8	2.0	1.4	1.3	2.1	2.2	1.8	1.9	1.5	1.6	1.6	0.2	5.3	0.1
Sorghum	7.1	7.0	6.5	5.1	5.7	4.9	6.4	5.5	6.8	5.1	6.0	5.9	-3.1	-11.2	0.2
Wheat	12.1	14.8	23.2	13.8	13.3	16.1	17.7	19.5	19.3	12.2	23.5	24.4	-2.0	0.1	0.9
<b>SWAZILAND</b>															
Sugarcane	1,077.2	985.3	971.2	911.8	946.5	908.4	986.0	953.9	1,009.7	1,080.8	1,064.3	1,064.3	0.3	0.0	0.2
Seed Cotton	10.2	14.8	4.5	9.5	8.8	8.8	13.3	7.9	7.3	6.6	6.6	6.6	-1.3	3.1	-2.8
Maize	13.6	17.3	9.4	12.2	17.6	12.7	24.5	17.8	19.2	18.2	15.4	15.4	-1.1	-0.6	2.5
<b>TANZANIA</b>															
Coffee	4.2	3.9	4.2	4.3	3.9	3.6	4.2	3.9	3.5	4.1	4.1	4.4	-0.3	4.0	-0.2
Seed Cotton	4.5	5.3	7.1	3.1	3.8	6.8	5.7	4.7	3.4	4.2	4.2	4.2	-3.0	1.8	-0.3
Tea	10.9	10.4	11.8	12.0	13.2	13.1	13.0	13.4	11.8	13.2	13.7	13.7	2.8	3.4	0.0
Maize	12.3	12.6	11.7	12.5	13.3	15.5	16.2	12.0	13.6	13.9	8.5	8.5	3.0	1.7	-0.7
Rice	11.9	16.9	12.8	18.1	17.4	15.1	15.3	12.5	16.5	14.3	14.5	14.5	-4.8	-1.5	-1.1
Sorghum	6.9	9.2	8.6	11.2	7.2	12.2	12.6	8.0	12.1	8.5	6.1	6.1	10.6	1.3	-0.7
Millet	7.6	7.8	8.5	6.5	6.4	10.9	9.8	9.8	10.1	9.9	10.0	10.0	6.5	4.6	0.4
Cassava	107.3	123.5	104.0	104.0	103.9	102.1	103.5	101.1	88.4	102.6	67.9	67.9	5.9	-0.1	-1.6

## 8-13. Agricultural yields by major crop (continued)

	Thousands of hectograms per hectare												Average annual* percentage growth		
	1980	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	75-84	85-89	90-MR
<b>TOGO</b>															
Coffee(green)	4.9	6.8	6.8	7.0	6.6	6.7	6.5	6.7	6.5	6.5	6.5	6.5	2.5	-1.2	0.1
Cocoa	4.5	1.9	1.8	2.1	2.0	1.9	2.8	2.5	2.9	3.0	3.0	3.0	-3.6	4.1	2.5
Seed Cotton	7.7	12.4	11.6	11.2	13.5	10.6	13.3	9.7	8.9	9.8	9.8	9.8	11.9	5.6	-0.6
Maize	9.2	9.1	10.1	11.6	9.3	8.6	9.4	10.7	9.9	11.0	11.0	11.0	1.8	-3.3	0.1
Sorghum	7.5	7.4	7.8	6.4	7.1	8.7	6.3	7.4	6.7	6.9	6.9	6.9	1.3	-2.9	-0.2
Millet	2.6	3.7	5.6	5.0	4.8	4.6	4.7	5.2	4.5	4.4	4.4	4.4	-7.1	2.4	-0.6
Cassava	103.3	77.9	69.0	68.6	53.8	59.2	56.9	60.3	51.9	60.3	60.3	60.3	-10.9	1.6	-1.9
Yams	86.6	90.3	83.3	103.4	82.2	85.8	87.2	110.3	105.8	102.4	102.4	102.4	-0.7	-2.8	0.1
<b>TUNISIA</b>															
Wheat	10.2	17.0	17.0	13.7	10.7	12.8	16.2	11.1	14.2	14.2	8.7	8.6	3.8	12.9	0.8
Barley	7.7	13.1	12.0	9.3	5.9	6.6	11.9	5.2	11.6	9.0	9.2	5.3	3.3	20.8	1.4
<b>UGANDA</b>															
Coffee(green)	6.0	5.5	4.2	5.5	7.5	6.9	10.3	8.1	7.7	8.6	6.8	7.3	-1.9	1.0	2.6
Seed Cotton	0.4	2.0	1.3	3.0	3.3	3.3	4.5	2.8	2.6	2.6	2.7	2.7	-13.0	-1.1	3.2
Millet	16.5	15.0	16.0	15.1	14.8	16.0	11.0	12.7	16.0	16.1	13.9	13.9	4.2	1.1	-0.3
Maize	11.1	13.5	15.0	16.0	15.1	16.0	13.0	12.4	12.2	11.5	17.4	17.4	0.4	-1.1	-0.3
Sorghum	17.9	14.8	15.0	15.0	15.0	15.0	11.0	10.7	15.0	15.0	12.9	12.9	3.3	1.3	-0.4
Cassava	68.6	83.0	80.0	85.1	65.0	67.0	67.0	67.0	90.0	88.0	130.0	130.0	1.2	0.3	0.4
Plantains	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>ZAIRE</b>															
Coffee(green)	3.7	3.3	3.2	3.6	3.5	3.7	3.2	3.7	3.7	3.0	2.5	2.5	-0.9	0.9	-0.9
Palm oil	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maize	8.0	8.1	8.1	8.3	8.3	7.9	8.0	8.2	8.3	8.0	8.0	8.0	1.4	1.2	0.0
Rice	8.0	8.0	7.3	7.2	7.3	7.5	7.0	7.1	7.6	7.6	7.6	7.6	0.4	0.3	-0.5
Cassava	70.0	80.0	80.0	78.1	77.2	77.5	81.6	80.3	81.6	81.1	145.5	145.5	0.2	-0.3	1.2
Plantains	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>ZAMBIA</b>															
Seed Cotton	5.0	6.6	4.3	7.3	7.8	6.7	5.6	14.3	13.2	13.3	12.4	12.4	-5.0	-4.3	4.5
Tobacco leaves	10.4	17.8	4.4	5.1	6.7	8.3	10.5	10.8	10.9	10.9	11.0	11.0	1.2	11.3	0.7
Sunflower	9.2	2.9	0.5	5.4	6.6	6.5	5.6	3.8	3.6	5.1	5.4	5.4	0.6	6.9	3.3
Maize	16.9	17.1	7.3	25.2	15.0	14.2	20.9	14.8	15.6	14.3	16.8	16.8	4.3	-6.4	-0.9
Wheat	40.7	43.8	43.3	40.1	43.0	50.0	55.8	66.2	56.7	74.8	54.5	54.5	5.6	-5.1	2.2
Cassava	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	61.8	61.8	0.0	0.0	0.0
<b>ZIMBABWE</b>															
Tobacco leaves	19.5	24.9	24.3	21.9	24.6	24.2	24.2	22.0	26.3	21.9	25.1	21.6	2.0	1.2	0.4
Seed Cotton	17.5	7.8	2.7	8.6	7.8	4.6	9.2	8.9	9.2	9.1	8.8	8.7	1.3	-3.4	0.1
Sugarcane	1,031.2	1,027.2	89.3	597.8	1,072.5	1,109.7	905.1	1,081.6	962.2	1,083.0	983.1	976.2	3.0	-0.8	1.2
Maize	13.4	14.4	4.1	16.3	16.6	6.0	17.0	13.4	11.6	10.5	14.9	12.5	-1.7	-14.4	-1.3
Wheat	49.7	56.4	48.3	70.3	56.1	20.8	54.9	51.7	53.8	56.1	69.4	69.4	2.5	0.0	0.2

Notes: The following commodities are in their least-processed form unless otherwise indicated:

Cotton, seed cotton  
Groundnuts, unshelled  
Coffee, green or roasted  
Rice, paddy  
Cloves, whole  
Cocoa, beans  
Tobacco, leaves  
Sunflower, seeds

1 hectogram = 100 grams = 3.527 oz.

Countries excluded from listing: Cape Verde, Djibouti, Sao Tome and Principe, and Seychelles.

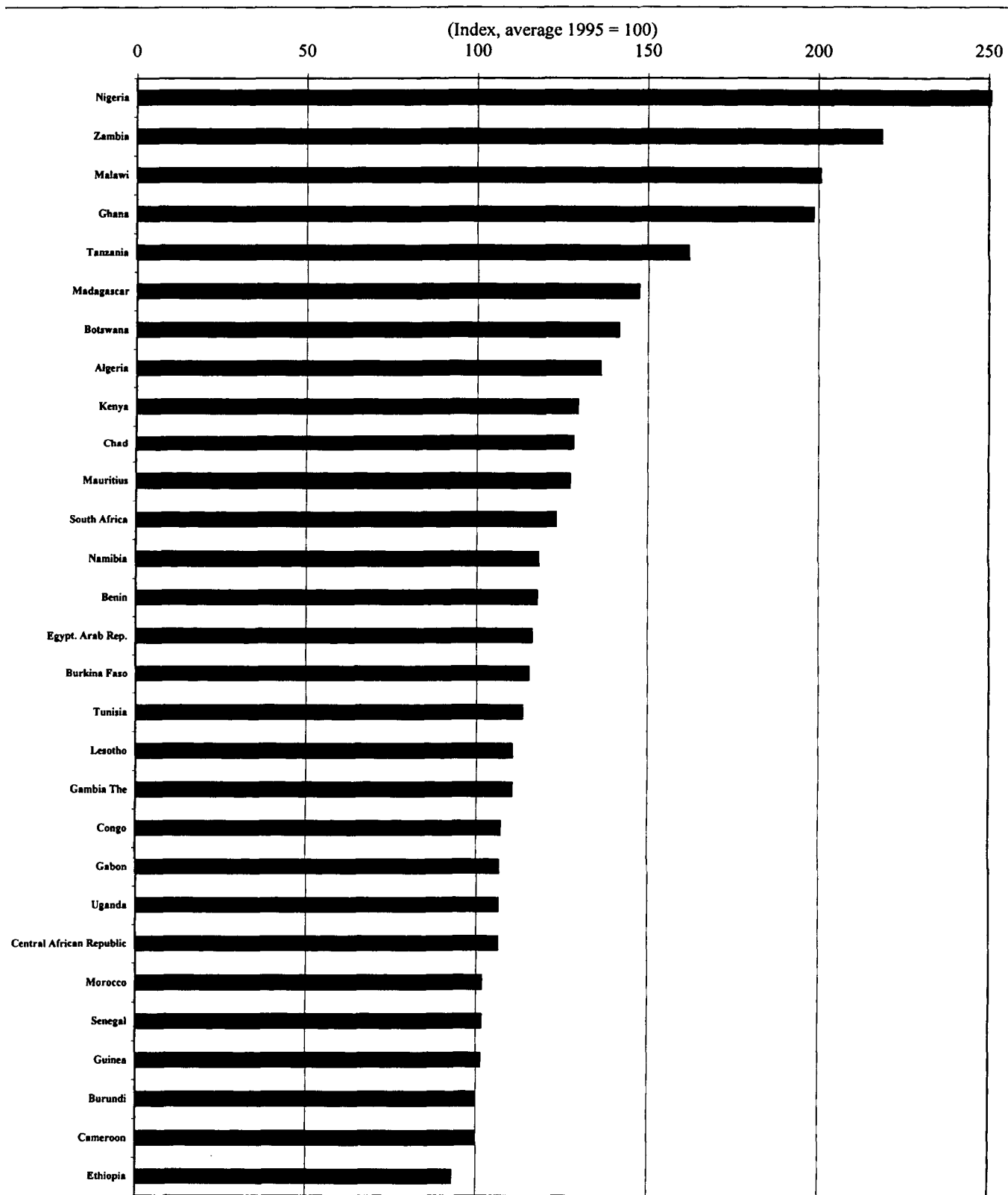
For livestock "yield", see Table 8.6. Food Output by Major Crops.

\* The standard World Bank least square methodology was used to compute the annual percentage growth.

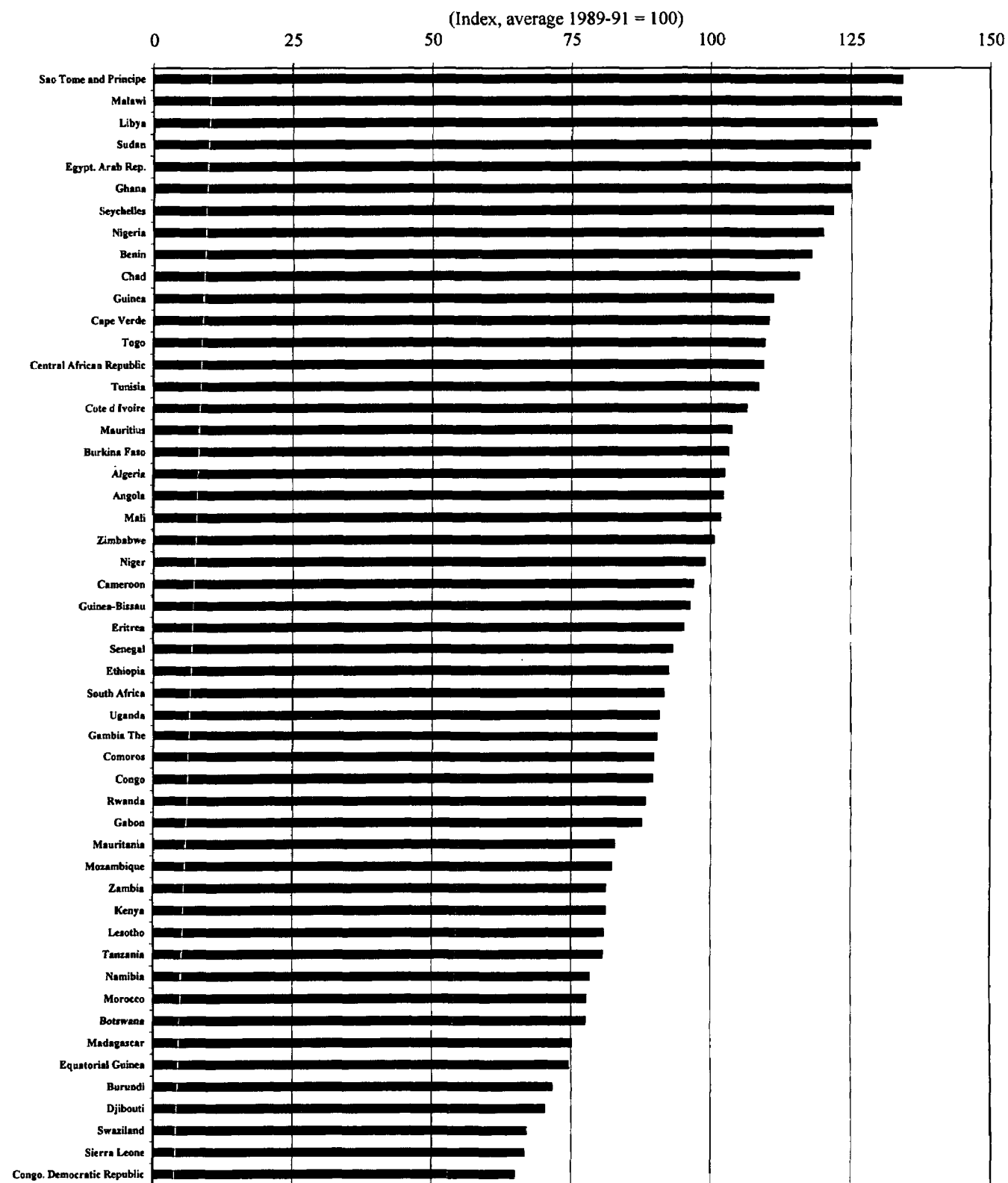


### 8-14. Incidence of drought

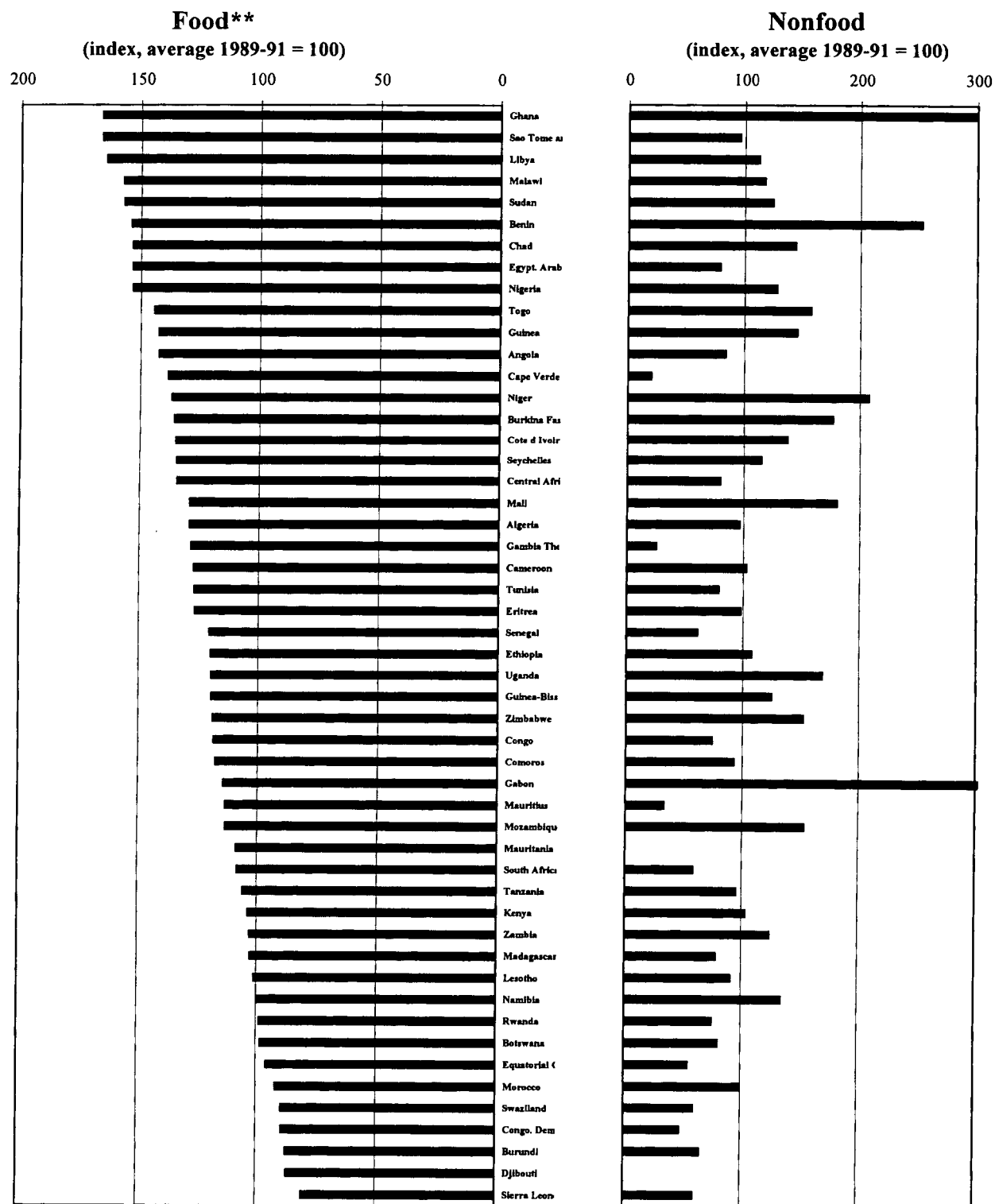
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**Figure 8-1. Food price index, 1999\***

\* Or most recent year available.

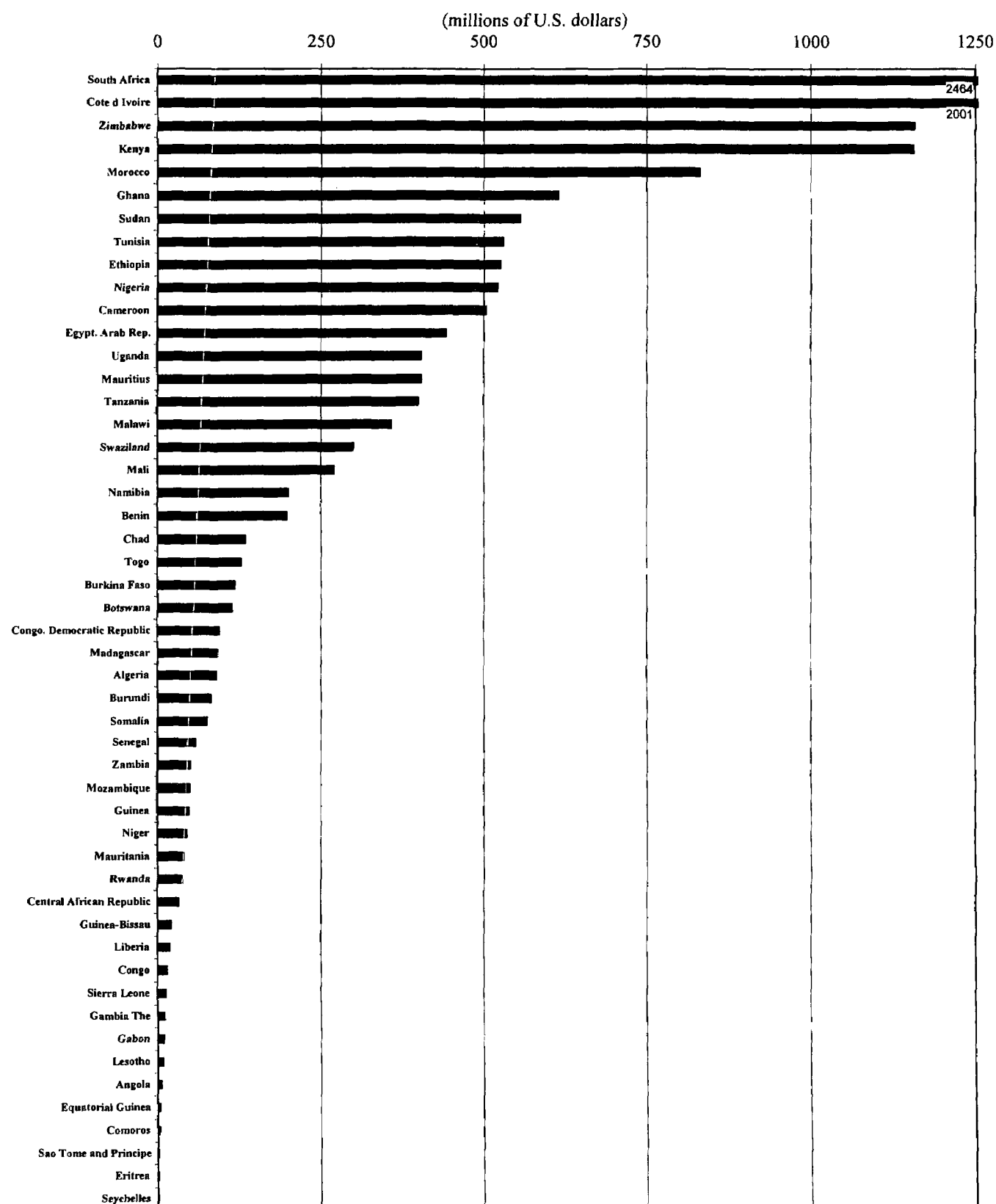
**Figure 8-2. Food production per capita index, 2000\***

\* Or most recent year available.

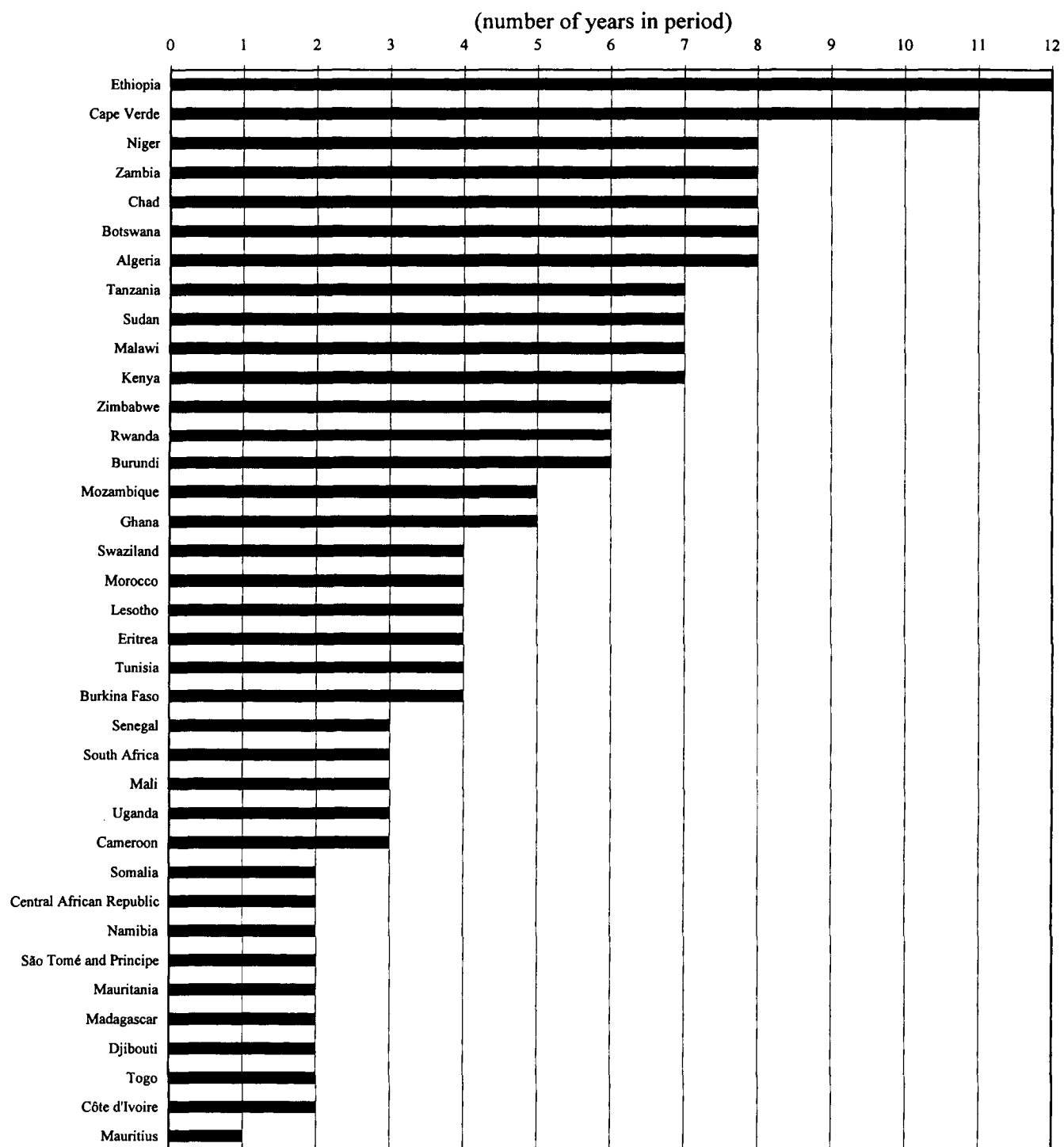
**Figure 8-3. Food and nonfood production index, 2000\***

\* Or most recent year available.

\*\* Sorted by food production.

**Figure 8-4. Agricultural exports, 1998\***

\* Or most recent year available.

**Figure 8-5. Drought, 1980-2000**

## Technical notes

### Tables

**Table 8-1. Nominal producer prices.** Data on nominal producer prices are compiled from the FAO. In general, the figures reflect the average annual price received by farmers in the most important producing regions. But given the wide regional and seasonal variation and the lack of precision in recording specifics about prices quoted, the data should be interpreted only as a rough indication of price levels for an entire country during an entire year.

The data do not differentiate between official producer prices and farmgate prices. In most cases they happen to be the same.

Crop years for most countries span parts of two calendar years; planting takes place in the first calendar year, while harvest and marketing take place at the end of the first and beginning of the second year. For consistency, producer prices are listed corresponding to the calendar year during which planting decisions are made. For example, producer prices for the crop year 1987/88 are listed as 1987.

For each country, up to four export crops and five food crops are included, which represent the most important commodities for that country in terms of value of total production during the early 1980s. The food crops include up to three cereals of "traded" grains (those commonly imported or exported) and up to two "nontraded" staples, generally roots and tubers, which are not normally imported or exported by African countries. In the table, these categories of crops are designated by the following symbols: X1 through X4 for export crops; F1 through F3 for traded food crops; and NT1 and NT2 for nontraded staple

food crops. The categorization is consistent across countries, but the numbering of crops within categories in each country depends on which crops are most important.

Where commodities may be marketed in several different forms, the form is generally specified (for instance, shelled or unshelled groundnuts). When not specified, the form of the commodity is the most common (for instance, shelled and dried maize). Where commodities are graded, an average grade has been used unless otherwise specified.

**Table 8-2. Food price index.** This is a subindex of the consumer price index. It reflects the cost to the average consumer of acquiring a fixed basket of food (IMF, *IFS*).

**Table 8-3. Food production index.** These indexes are based on 169 commodities that provide calories when consumed (*FAO* data). Some of these (such as cottonseed, cocoa, and vanilla) are not, however, a significant part of African diets, but are produced primarily for export.

**Table 8-4. Nonfood production index.** Data in this table are derived from 29 products that are not considered nutritious, including coffee, rubber, cotton lint, and tobacco leaves (*FAO* data).

**Table 8-5. Food production per capita index.** These are derived as the ratio of the food production index (Table 8-3) and estimated total midyear population figures (Table 1-2).

**Table 8-6. Volume of food output, by major food crop.** The table covers, with only a few differences, the same major food crops as presented in Table 8-1, excluding beverages (coffee, tea, cocoa), cotton, and tobacco. Included also are figures for livestock, which represent the combined total head of cattle, sheep, goats, pigs, horses, asses, and mules, and figures for the total head of rabbits (*FAO data*).

**Table 8-7. Value of agricultural exports.** Value of agricultural exports is expressed in current U.S. dollars at f.o.b. prices (*FAO data*).

**Table 8-8. Cereal production.** This refers to crops harvested for dry grain only. Cereal crops harvested for hay or harvested green for food, feed, or silage and those used for grazing are excluded (*FAO data*).

**Table 8-9. Crop production index.** Shows agricultural production for each year relative to the base period 1989–91. It includes all crops except fodder crops (*FAO data*).

**Tables 8-10 and 8-11. Fertilizer use and imports.** Figures are in metric tons and represent the aggregate of nitrogenous, phosphate, and potash fertilizers (*FAO database for Fertilizer Yearbook*).

**Table 8-12. Area under permanent crops.** Reflects land under permanent crops as defined and reported by the *FAO*.

**Table 8-13. Agricultural yields, by major crop.** This table follows closely the selection of commodities of Table 8-1. Units are in thousands of hectograms (which are equivalent to hundreds of kilograms) per hectare. Most of the data come from the database for the *FAO Production Yearbook*, with additional information from World Bank agricultural sector reports.

**Table 8-14. Incidence of drought.** This is the only indicator in this chapter based on subjective consid-

erations. Data on rainfall levels from other sources are usually presented to suit different purposes, without considering seasonal and regional characteristics of the producing regions. A low rainfall level might not harm agricultural production, if it did not adversely affect the regions where the main crops are produced, whereas an average rainfall level might be associated with difficulties in the producing regions, due to delay, for example. Therefore, simply presenting the annual rainfall levels would not necessarily enrich the agricultural data.

For each country, a binary classification was thus created. A “D” was assigned to a country if a significant shortage of rain unfavorably affected its agricultural production. For normal or average rainfall, the standard sign was given, as in the cases of insufficient information or “not applicable.” (Specialists who work on the relevant countries were surveyed, as well as World Bank agricultural and environmental experts. In addition, the Federal Early Warning System project of the U.S. Agency for International Development provided information for 1993–94 for about half of the countries listed.)

## Figures

The following indicators have been used to derive the figures in this chapter:

**Figure 8-1.** Food price index (Table 8-2).

**Figure 8-2.** Food production per capita index (Table 8-5).

**Figure 8-3.** Food production index (Table 8-3); non-food production index (Table 8-4).

**Figure 8-4.** Agriculture exports (Table 8-7).

**Figure 8-5.** Drought (Table 8-14).



### Methodology used for regional aggregations and period averages in chapter 8

Table	Aggregations <sup>a</sup>				Period averages <sup>b</sup>
	(1)	(6)	(7)	(8)	(2)
8-1				x	
8-2			x		x
8-3		x			x
8-4			x		
8-5			x		x
8-6				x	x
8-7	x				x
8-8	x				x
8-9		x			x
8-10	x				x
8-11	x				x
8-12	x				x
8-13				x	x
8-14				x	

*Note:* Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).

## Power, Communications, and Transportation

**T**his chapter provides data on the power, communications, and transportation sectors of the economy.

An adequate and reliable supply of power is a vital ingredient for the economic development of African countries. This chapter presents information on electric power production and distribution losses. Data are from the International Energy Agency's (IEA's) *Energy Statistics and Balances of Non-OECD Countries*, and from the United Nations Statistics Division's *Energy Statistics Yearbook*.

Telecommunications, computers, and the Internet are also essential ingredients of a modern economy. In this chapter, telephone main lines represent the supply side of the system, which in Africa is well short of demand. In fact, waiting time for telephone lines is the highest of any other geographical region. Because of the growing importance of computers on development, a new table on computers and the Internet was

added in this chapter. Data on telecommunications are from the International Telecommunications Union's (ITU) *World Telecommunications Development Report* (2000), *Challenges to the Network: Internet for Development* (1999), and the *World Telecommunications Indicators Database* (2000b). The data on Internet hosts are from the Internet Software Consortium ([www.isc.org](http://www.isc.org)).

In addition to power and communications, countries must have a solid transportation sector to underpin expansion of their economies and ensure support to the activities of households, producers, and government. This chapter presents data on vehicle use, roads, and railway traffic. Data are from the World Bank databases and from the International World Road Federation's *World Road Statistics* and from Eurostat ([europa.eu.int/eurostat.html](http://europa.eu.int/eurostat.html)). The air transport data are from the International Civil Aviation Organization's *Civil Aviation Statistics of the World* and ICAO staff estimates.

## 9-1. Electric power consumption per capita

	Million KWH										Annual Average			
	1980	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	427.6	454.1	445.0	440.5	423.0	438.9	429.5	439.1	445.0	446.2	453.2	407.4	447.0	440.0
excluding South Africa	132.6	128.4	121.9	125.4	125.6	129.7	126.5	126.8	129.5	126.0	121.7	127.9	129.6	125.9
excl. S Africa & Nigeria	157.1	141.2	138.7	141.8	140.7	142.8	140.9	142.8	146.4	141.5		151.6	146.5	141.9
Angola	67.2	64.1	63.8	65.3	64.1	62.1	60.4	58.8	61.0	63.7	59.6	73.7	67.1	62.1
Benin	29.7	35.5	36.7	38.7	41.2	41.7	42.3	45.1	48.0	44.6	45.9	29.5	34.8	42.7
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cameroon	155.5	215.3	204.3	197.9	194.5	196.9	172.6	165.1	170.9	180.7	184.8	179.5	215.6	185.3
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	147.3	130.3	121.8	131.7	130.4	147.4	144.9	132.0	129.6	120.4	110.0	138.8	136.1	129.8
Congo, Republic of	65.9	145.1	155.9	169.8	161.6	137.6	131.0	131.2	132.1	105.6	83.0	69.8	140.2	134.2
Côte d'Ivoire	191.6	159.3	158.0	149.6	81.4	139.6	140.3	170.5	174.3	181.3	..	166.4	164.9	149.4
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	16.2	17.3	17.7	17.7	17.9	20.1	20.8	21.7	22.3	22.2	22.2	16.3	18.0	20.3
Gabon	617.9	784.9	806.3	784.8	762.5	747.4	754.4	736.8	742.2	752.2	748.9	603.3	942.4	759.5
Gambia, The	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghana	423.6	301.1	300.1	309.7	323.3	329.9	305.0	339.2	365.9	282.9	288.9	335.9	260.7	316.1
Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	92.5	109.1	115.7	117.5	118.1	121.3	123.2	123.2	127.1	129.3	129.5	90.1	106.3	122.8
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malawi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mozambique	34.0	34.3	35.1	48.3	46.2	46.2	41.3	44.1	40.7	46.8	54.1	42.4	32.8	44.8
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	68.2	94.7	77.1	81.6	85.5	95.3	88.8	84.8	85.3	85.4	84.7	64.6	84.9	85.4
Rwanda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	95.0	93.9	95.4	97.9	101.7	97.0	102.8	104.2	105.2	107.5	111.3	90.5	96.3	102.5
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	3,212.9	3,681.5	3,676.0	3,618.2	3,447.4	3,581.3	3,530.7	3,659.8	3,723.2	3,800.2	3,831.7	3,037.2	3,555.5	3,652.1
Sudan	35.3	44.6	52.3	50.6	50.8	48.8	50.8	50.5	51.4	48.5	47.2	37.3	49.4	50.1
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	36.8	46.6	51.2	54.4	53.2	51.4	50.7	54.7	58.8	54.3	53.5	35.4	41.7	53.6
Togo	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Zambia	1,015.7	580.6	502.8	651.8	623.4	606.2	589.5	574.3	560.0	562.9	539.1	1,058.2	807.9	578.9
Zimbabwe	990.4	942.7	932.9	829.6	900.2	787.3	824.0	814.7	858.9	883.7	858.9	955.4	929.3	854.5
NORTH AFRICA	362.8	661.1	677.6	690.4	697.1	712.5	731.5	743.3	755.7	780.6	817.4	352.0	606.0	734.0
Algeria	265.3	439.1	449.0	467.3	463.9	507.9	509.0	516.9	526.3	520.2	563.0	259.8	399.9	502.6
Egypt, Arab Republic	379.9	667.5	689.7	707.1	710.3	726.3	742.7	762.0	781.2	820.2	861.1	377.8	606.0	755.6
Libya	1,588.2	3,886.6	3,804.3	3,707.0	3,649.7	3,576.2	3,661.8	3,623.9	3,605.3	3,657.7	3,677.2	1,505.7	3,643.7	3,662.6
Morocco	222.8	316.7	339.8	355.4	380.9	377.1	398.1	403.7	408.4	422.7	443.0	212.1	299.2	392.1
Tunisia	379.2	578.9	604.2	615.6	649.5	672.7	717.6	734.4	744.8	783.0	824.0	323.6	528.7	705.1
ALL AFRICA	412.4	501.4	498.0	497.1	484.7	500.6	497.2	506.7	513.6	519.6	534.6	394.3	483.6	505.8

## 9-2. Energy production and use

	Energy production (KT oil equivalent)		Commercial energy use (KT oil equivalent)		Electric power transmission and distribution losses (% of output)	
	1980	1998	1980	1998	1980	1998
SUB-SAHARAN AFRICA	322,220	517,440	207,223	324,252		
excluding South Africa	249,051	373,034	141,805	213,266		
excl S Africa & Nigeria	100,572	188,188	88,959	126,777		
Angola	11,301	43,035	4,437	7,147	25	28
Benin	1,212	1,947	1,363	2,240		71
Botswana						
Burkina Faso						
Burundi						
Cameroon	6,707	12,965	3,676	6,183	7	20
Cape Verde						
Central African Republic						
Chad						
Comoros						
Congo, Democratic Rep. of	8,697	13,546	8,706	13,711	8	3
Congo, Republic of	3,970	14,161	845	1,206	19	38
Côte d'Ivoire	2,419		3,662		7	
Djibouti						
Equatorial Guinea						
Eritrea						
Ethiopia	10,588	16,379	11,157	17,429	8	10
Gabon	9,441	18,892	1,493	1,668	1	10
Gambia, The						
Ghana	3,305	5,705	4,027	7,270	0	1
Guinea						
Guinea-Bissau						
Kenya	7,891	11,609	9,791	14,527	16	25
Lesotho						
Liberia						
Madagascar						
Malawi						
Mali						
Mauritania						
Mauritius						
Mozambique	7,413	6,945	8,074	6,863	39	10
Namibia						
Niger						
Nigeria	148,479	184,847	52,846	86,489	36	32
Rwanda						
São Tomé and Príncipe						
Senegal	1,046	1,653	1,921	2,822	10	11
Seychelles						
Sierra Leone						
Somalia						
South Africa	73,169	144,405	65,417	110,986	8	8
Sudan	7,089	13,527	8,406	14,899	14	31
Swaziland						
Tanzania	9,502	13,931	10,280	14,660	14	22
Togo						
Uganda						
Zambia	4,198	5,657	4,551	6,088	7	11
Zimbabwe	5,793	8,235	6,570	10,065	9	17
NORTH AFRICA	205,303	274,186	43,937	97,650		
Algeria	66,741	132,332	12,089	26,506	11	19
Egypt, Arab Republic	34,168	57,464	15,970	41,798	13	12
Libya	96,550	76,524	7,193	12,420		
Morocco	877	753	4,778	9,344	10	4
Tunisia	6,966	7,113	3,907	7,582	12	11
ALL AFRICA	527,522	791,625	251,159	421,903		

## 9-3. Telephone, radio, and television availability, 1994-99

	<i>Telephones</i>				<i>Radios</i>	<i>Television</i>
	<i>Mainlines</i> (per 1,000 persons)	<i>Waiting list</i> (Thousands)	<i>Average cost of call</i> US\$ per three minutes	<i>Mobile phones</i> (per 1,000 persons)	(per 1,000 persons)	<i>sets</i> (per 1,000 persons)
SUB-SAHARAN AFRICA	11	1,440		5	261	43
excluding South Africa	5	1,363		1	192	37
excl. S. Africa & Nigeria	5	1,213		3	184	29
Angola	5	..	0.06	2	62	15
Benin	5	3	0.11	1	110	11
Botswana	41	12	0.02	74	156	20
Burkina Faso	3	..	0.10	0	33	11
Burundi	3	5	0.03	0	152	15
Cameroon	5	45	0.06	0	163	34
Cape Verde	56	10	0.04	19	180	5
Central African Republic	2	0	0.49	1	83	6
Chad	1	1	0.16	0	242	1
Comoros	9	..	0.16	0	138	4
Congo, Democratic Rep. of	1	6	..	0	375	2
Congo, Republic of	8	1	0.12	1	124	13
Côte d'Ivoire	9	82	0.07	18	164	70
Djibouti	13	0	0.19	0	84	47
Equatorial Guinea	6	..	0.05	1	429	116
Eritrea	5	42	0.02	0	484	16
Ethiopia	3	207	0.03	0	196	6
Gabon	29	10	0.15	7	500	251
Gambia, The	18	22	0.30	4	394	3
Ghana	4	28	0.08	4	680	115
Guinea	2	2	0.10	3	49	44
Guinea-Bissau	9	1	0.15	0	44	..
Kenya	9	77	0.05	1	104	22
Lesotho	9	9	0.02	5	49	16
Liberia	..	2	..	0	274	28
Madagascar	2	10	0.08	1	198	22
Malawi	3	31	0.03	2	250	3
Mali	2	..	0.14	0	54	12
Mauritania	4	1	0.09	0	151	96
Mauritius	132	23	0.04	89	368	230
Mozambique	4	17	0.09	1	40	5
Namibia	51	7	0.05	18	144	38
Niger	1	1	0.15	0	66	27
Nigeria	4	98	0.26	0	224	68
Rwanda	2	..	0.04	2	102	0
São Tomé and Príncipe	19	1	0.00	0	319	227
Senegal	10	17	0.12	9	142	41
Seychelles	176	2	0.16	50	550	215
Sierra Leone	4	14	0.03	0	274	13
Somalia	2	..	..	0	48	14
South Africa	100	116	0.08	120	333	129
Sudan	3	320	0.02	0	271	173
Swaziland	22	15	0.05	14	164	113
Tanzania	3	37	0.08	2	279	21
Togo	5	13	0.10	4	227	22
Uganda	2	6	0.15	3	127	28
Zambia	9	12	0.05	3	160	145
Zimbabwe	14	109	0.03	15	390	180
NORTH AFRICA	47	2,187		8	272	162
Algeria	42	732	0.02	2	241	107
Egypt, Arab Republic	9	12	0.05	3	160	183
Libya	14	109	0.03	15	390	136
Morocco	42	732	0.02	2	241	165
Tunisia	47	1,310	0.03	8	324	190
ALL AFRICA	18	2,338		14	214	59

## 9-4. Personal computers and internet use

	<i>Personal computers (per 1,000 people)</i>		<i>Internet hosts (per 10,000 people)</i>		<i>Internet users (Thousands)</i>	
	1998	1999	1999	2000	1998	1999
<b>SUB-SAHARAN AFRICA</b>	<b>7.5</b>	<b>8.35</b>	<b>2.32</b>	<b>3.10</b>	<b>1,531</b>	<b>2,358</b>
excluding South Africa	3.8	4.53	0.15	0.32	261	538
excl S Africa & Nigeria	3.1	3.93	0.18	0.40	231	438
Angola	0.8	0.96	0.00	0.01	3	10
Benin	1.2	1.52	0.04	0.04	2	10
Botswana	25.5	31.00	6.00	14.63	10	12
Burkina Faso	0.9	1.03	0.19	0.19	1	4
Burundi	..	..	0.00	0.00	0	2
Cameroon	2.4	2.72	0.00	0.01	2	20
Cape Verde	..	..	0.02	0.05	2	5
Central African Republic	1.0	1.41	0.00	0.02	0	1
Chad	1.1	1.34	0.00	0.01	0	1
Comoros	2.3	2.96	0.57	0.72	0	1
Congo, Democratic Rep. of	..	..	0.00	0.00	0	1
Congo, Republic of	3.2	3.50	0.00	0.01	0	1
Côte d'Ivoire	4.5	5.52	0.24	0.37	10	20
Djibouti	8.8	9.54	0.00	0.62	1	1
Equatorial Guinea	2.3	2.26	0.00	0.00	0	1
Eritrea	..	..	0.01	0.02	0	1
Ethiopia	0.6	0.74	0.01	0.01	6	8
Gabon	8.5	8.40	0.02	0.21	2	3
Gambia, The	3.3	7.87	0.02	0.12	3	3
Ghana	2.1	2.54	0.06	0.06	6	20
Guinea	3.2	3.40	0.00	0.00	1	5
Guinea-Bissau	..	..	0.13	0.11	0	2
Kenya	3.4	4.24	0.19	0.32	15	35
Lesotho	..	..	0.08	0.39	0	1
Liberia	..	..	0.00	0.00	0	0
Madagascar	1.6	1.94	0.12	0.36	3	8
Malawi	0.8	0.94	0.00	0.00	2	10
Mali	0.8	1.00	0.01	0.05	1	10
Mauritania	5.9	27.20	0.00	0.20	1	13
Mauritius	87.0	95.65	4.55	27.70	30	55
Mozambique	2.1	2.59	0.09	0.10	4	15
Namibia	24.1	29.50	11.73	19.76	5	6
Niger	0.3	0.38	0.03	0.12	0	3
Nigeria	6.1	6.42	0.00	0.01	30	100
Rwanda	..	..	0.00	0.42	1	5
São Tomé and Príncipe	..	..	17.28	44.85	0	1
Senegal	13.3	15.10	0.28	0.51	8	30
Seychelles	124.2	130.55	0.12	0.49	2	5
Sierra Leone	..	..	0.14	0.16	1	2
Somalia	..	..	0.00	0.00	0	0
South Africa	51.6	54.70	33.36	43.12	1,270	1,820
Sudan	1.9	2.94	0.00	0.00	2	5
Swaziland	..	..	6.28	7.07	1	5
Tanzania	1.7	2.44	0.05	0.16	3	25
Togo	6.8	17.74	0.17	0.34	75	15
Uganda	1.9	2.50	0.06	0.07	15	25
Zambia	6.8	7.24	0.48	0.86	3	15
Zimbabwe	11.4	13.04	1.19	2.61	10	20
<b>NORTH AFRICA</b>	<b>8.2</b>	<b>10.56</b>	<b>0.19</b>	<b>0.47</b>	<b>152</b>	<b>307</b>
Algeria	5.3	5.84	0.01	0.01	2	20
Egypt, Arab Republic	9.1	12.00	0.28	0.85	100	200
Libya	..	..	0.00	0.01	..	7
Morocco	7.2	10.75	0.28	0.33	40	50
Tunisia	14.8	15.33	0.06	0.10	10	30
<b>ALL AFRICA</b>	<b>7.6</b>	<b>8.77</b>	<b>1.95</b>	<b>2.64</b>	<b>1,683</b>	<b>2,665</b>

## 9-5. Vehicle ownership

	Units per 1000 persons										Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	75-84	85-89	90-MR
SUB-SAHARAN AFRICA		21	23	24	24	23	23	23					23
excluding South Africa		9	14	14	15	14	15	15					14
excl. S.Africa & Nigeria		9	10	10	11	12	12	12					11
Angola	..	19	19	20	20	20	20	20	..	..	..	..	20
Benin	..	3	4	5	6	6	7	8	..	..	..	..	5
Botswana	27	18	23	28	32	36	64	50	52	61	27	..	43
Burkina Faso	..	4	4	5	5	5	5	6	..	..	..	..	5
Burundi	..	0	..	..	..	..	..	..	..	..	..	..	0
Cameroon	8	10	10	11	11	11	12	12	..	..	8	..	11
Cape Verde	..	9	9	9	9	10	10	10	..	..	..	..	9
Central African Republic	8	1	1	0	1	1	0	0	1	..	8	..	1
Chad	..	2	3	3	3	3	4	4	..	..	..	..	3
Comoros	..	13	15	17	18	23	24	28	..	..	..	..	20
Congo, Democratic Rep. of	..	22	25	28	28	29	30	31	..	..	..	..	27
Congo, Republic of	..	18	19	20	20	19	20	20	..	..	..	..	19
Côte d'Ivoire	24	24	24	25	27	29	30	32	..	..	24	..	27
Djibouti	..	14	15	15	16	17	17	18	..	..	..	..	16
Equatorial Guinea	..	3	4	4	4	5	5	5	..	..	..	..	4
Eritrea	..	1	1	1	1	1	2	2	..	..	..	..	1
Ethiopia	2	1	1	1	1	1	1	1	1	1	2	1	1
Gabon	..	31	32	34	35	35	36	36	..	..	..	..	34
Gambia, The	..	13	13	13	13	15	15	15	..	..	..	..	14
Ghana	..	..	..	..	..	8	8	8	..	..	..	..	8
Guinea	..	4	4	5	5	5	5	5	..	..	..	..	5
Guinea-Bissau	..	7	7	7	8	10	10	11	..	..	..	..	9
Kenya	8	12	13	13	13	13	13	13	..	..	8	12	13
Lesotho	10	10	11	13	14	16	18	19	..	..	10	..	14
Liberia	1	14	14	14	14	15	14	15	..	..	1	..	14
Madagascar	..	6	5	5	5	7	7	8	..	..	..	..	6
Malawi	5	4	5	5	5	5	6	6	..	..	5	..	5
Mali	..	3	4	4	4	4	4	5	..	..	..	..	4
Mauritania	..	9	10	10	10	11	11	12	..	..	..	..	11
Mauritius	44	59	63	68	71	75	79	83	88	93	44	54	78
Mozambique	..	4	5	5	5	3	2	1	..	..	..	..	3
Namibia	..	72	86	76	81	84	84	85	..	..	..	..	81
Niger	6	6	6	6	6	6	6	6	..	..	6	5	6
Nigeria	4	..	30	29	29	22	25	24	..	..	4	..	26
Rwanda	2	2	3	3	3	4	4	4	..	..	2	1	3
São Tomé and Príncipe	..	36	37	37	38	40	40	41	..	..	..	..	38
Senegal	19	11	11	12	13	13	13	14	..	..	19	..	13
Seychelles	..	104	104	105	107	116	114	119	118	..	..	..	111
Sierra Leone	..	10	10	11	10	11	9	6	..	..	..	10	10
Somalia	..	2	2	2	1	1	1	1	..	..	..	..	1
South Africa	133	139	140	139	136	141	139	142	..	..	133	160	140
Sudan	..	9	10	10	10	12	12	12	..	..	..	..	11
Swaziland	52	66	71	68	65	62	66	68	67	70	52	63	67
Tanzania	3	5	4	5	5	5	5	5	..	..	3	..	5
Togo	..	23	24	25	25	25	26	27	..	..	..	1	25
Uganda	1	2	3	3	3	3	4	4	5	5	1	..	4
Zambia	..	14	16	18	20	22	24	26	..	..	..	..	20
Zimbabwe	..	..	..	..	34	33	31	30	..	..	..	..	32
NORTH AFRICA	..	33	34	34	35	46	49	49	..	..	..	38	40
Algeria	..	..	..	..	..	55	54	53	..	..	..	54	54
Egypt, Arab Republic	..	29	29	29	28	29	29	30	..	..	..	26	29
Libya	..	..	..	..	..	158	229	230	..	..	..	..	206
Morocco	..	37	38	41	43	47	48	48	49	51	..	..	46
Tunisia	38	48	49	50	52	59	59	64	..	..	38	62	54
ALL AFRICA	..	23	25	25	25	27	28	28	..	..	..	..	26

## 9-6. Road-to-population ratio

	Road 1000 km/1 million persons										Annual Average			
	1980	1985	1989	1990	1991	1992	1993	1994	1995	1996	1997	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	3.3	3.1	..	2.5	..	..	2.5	2.4	2.9	2.4	..	3.3	3.1	2.5
excluding South Africa	3.1	2.8	..	2.2	..	..	2.5	2.4	2.5	2.4	..	3.1	2.8	2.4
excl. S Africa & Nigeria	3.5	3.3	..	2.6	..	..	2.8	2.6	2.7	2.6	..	3.5	3.3	2.6
Angola	10.3	9.0	..	7.9	..	7.3	7.1	6.8	6.6	6.4	6.2	11.1	9.0	6.9
Benin	2.1	1.9	1.3	1.8	1.2	1.2	1.3	1.3	1.2	1.2	..	2.1	1.6	1.3
Botswana	9.1	7.6	..	7.0	..	..	13.2	12.9	12.5	12.4	..	11.7	9.8	11.6
Burkina Faso	1.1	1.1	..	..	..	1.4	1.1	1.1	1.3	1.2	..	1.7	1.2	1.2
Burundi	1.2	0.6	..	1.2	..	2.5	2.5	2.4	2.4	2.3	..	1.8	0.6	2.2
Cameroon	7.2	6.5	..	6.1	..	..	2.7	2.7	2.6	..	..	6.6	5.5	3.5
Cape Verde	..	..	..	..	..	..	3.0	3.0	2.9	2.8	..	..	..	2.9
Central African Republic	9.8	7.8	8.3	8.0	7.9	7.7	7.5	7.4	7.3	7.2	..	9.8	7.9	7.6
Chad	6.0	5.3	..	4.7	..	..	5.0	5.0	4.9	4.8	..	6.6	5.3	4.9
Comoros	..	..	..	..	..	..	1.8	1.8	1.8	1.8	..	2.3	..	1.8
Congo, Democratic Rep. of	5.4	4.6	..	..	3.8	3.6	3.6	3.6	3.5	3.5	..	5.4	4.6	3.6
Congo, Republic of	5.0	4.5	..	..	5.6	5.4	5.3	5.1	5.0	4.9	..	5.5	4.5	5.2
Côte d'Ivoire	5.0	4.8	..	4.2	..	..	3.8	3.7	3.6	3.5	..	5.6	4.8	3.8
Djibouti	..	7.4	5.8	5.6	5.4	..	5.1	5.0	4.8	4.7	..	7.6	6.7	5.1
Equatorial Guinea	..	..	..	..	..	..	7.2	7.1	7.1	7.0	..	5.2	..	7.1
Eritrea	..	..	..	..	..	..	1.1	1.1	1.1	1.1	..	..	..	1.1
Ethiopia	1.0	0.9	0.4	0.5	0.5	..	0.5	0.5	0.5	0.5	..	0.9	0.7	0.5
Gabon	10.2	9.3	..	..	7.6	7.4	7.2	7.1	7.0	6.8	..	10.9	9.3	7.2
Gambia, The	3.4	4.2	..	2.6	..	..	2.4	2.4	2.4	2.4	..	3.0	4.2	2.4
Ghana	3.0	2.8	2.6	2.6	..	..	2.3	2.2	2.2	2.2	..	2.8	2.7	2.3
Guinea	5.4	5.8	..	..	..	2.6	0.0	4.7	4.6	4.5	..	4.2	5.8	3.3
Guinea-Bissau	..	..	..	..	..	..	4.1	4.1	4.0	4.0	..	4.7	..	4.0
Kenya	3.1	3.3	2.7	2.6	2.6	..	2.5	2.4	2.4	2.3	..	3.2	3.0	2.5
Lesotho	3.0	2.7	..	..	..	2.9	2.9	2.8	2.6	2.5	..	2.7	2.7	2.7
Liberia	2.9	2.4	..	2.4	..	..	3.8	3.8	3.8	3.8	..	3.9	3.2	3.5
Madagascar	5.7	4.9	1.3	..	2.9	2.8	4.0	3.9	3.7	3.6	..	4.8	4.0	3.5
Malawi	1.7	1.6	1.4	3.2	..	..	1.5	1.5	1.5	1.5	1.6	1.9	1.5	1.8
Mali	2.0	1.8	1.7	1.7	1.7	..	1.6	1.5	1.5	1.5	..	2.1	1.8	1.6
Mauritania	4.7	4.1	..	3.6	..	..	3.4	3.3	3.3	3.2	..	4.7	4.1	3.4
Mauritius	1.8	1.8	1.7	1.7	1.7	..	1.8	1.7	1.7	1.7	1.7	2.2	1.7	1.7
Mozambique	2.9	2.6	1.9	2.5	..	..	1.9	1.9	1.9	1.9	..	3.3	2.0	2.0
Namibia	..	..	..	28.7	..	..	42.8	42.2	41.0	39.9	39.0	..	..	38.9
Niger	2.8	2.7	..	1.5	..	..	1.6	1.1	1.1	1.1	..	2.4	2.7	1.3
Nigeria	1.5	1.3	..	1.2	..	..	1.6	1.6	1.7	1.7	..	1.5	1.3	1.5
Rwanda	2.1	2.0	1.8	1.9	..	..	1.9	2.3	2.3	2.2	..	1.7	1.9	2.1
São Tomé and Príncipe	..	..	..	..	..	..	2.4	2.3	2.3	2.4	..	..	..	2.4
Senegal	2.5	2.2	..	2.0	..	..	1.8	1.8	1.8	1.7	..	2.4	2.2	1.8
Seychelles	..	..	..	..	..	..	3.6	3.5	3.6	3.7	..	..	..	3.6
Sierra Leone	2.4	2.3	..	..	..	2.8	2.7	2.7	2.5	2.4	2.4	2.5	2.3	2.6
Somalia	2.9	3.3	..	2.8	..	..	2.6	2.6	2.7	2.6	..	3.5	3.3	2.7
South Africa	6.7	5.9	5.3	5.3	5.1	..	..	..	8.5	..	..	7.1	5.5	6.3
Sudan	0.5	0.4	..	0.4	..	..	0.4	0.4	0.4	0.4	..	0.7	0.4	0.4
Swaziland	5.8	5.1	3.8	3.6	3.5	3.6	3.3	3.3	4.1	4.1	..	5.1	4.4	3.7
Tanzania	2.5	3.8	..	..	2.1	2.1	3.1	3.1	3.0	2.9	..	2.5	3.8	2.7
Togo	2.7	2.3	..	2.1	2.1	2.0	1.9	1.9	1.8	1.8	..	2.8	2.3	2.0
Uganda	2.1	2.0	..	1.8	..	1.7	..	..	..	..	..	2.1	2.0	1.7
Zambia	6.3	5.6	5.0	4.8	4.7	4.5	4.4	4.4	7.4	7.2	7.1	6.4	5.3	5.6
Zimbabwe	12.0	9.4	..	..	..	8.9	8.7	1.8	1.6	1.6	..	12.0	9.4	4.5
NORTH AFRICA	2.1	2.0	1.6	..	1.9	1.6	2.5	..	..	..	..	2.1	1.6	2.0
Algeria	3.9	3.6	..	..	3.5	3.6	3.7	3.6	3.7	3.6	..	4.1	3.6	3.6
Egypt, Arab Republic	0.7	0.7	0.9	0.9	0.9	0.9	0.8	..	..	..	..	0.7	0.7	0.9
Libya	..	..	..	..	..	..	16.5	16.5	16.4	4.8	..	..	..	13.6
Morocco	3.0	2.7	2.5	..	2.4	1.1	2.4	2.3	2.3	2.3	2.1	2.9	2.6	2.1
Tunisia	3.7	3.6	3.7	..	..	..	2.4	2.5	2.5	2.5	..	3.4	3.6	2.5
ALL AFRICA	3.1	2.9	..	2.3	..	..	2.5	2.6	3.0	2.5	..	3.1	2.9	2.6



## 9-7. Paved primary roads

	Percentage of roads									Percent in good condition
	1991	1992	1993	1994	1995	1996	1997	1998	1999	1989
<b>SUB-SAHARAN AFRICA</b>	17.0	16.5	16.4	17.1	16.6	15.9	17.9	17.3	18.3	39
excluding South Africa	17.0	16.5	16.4	17.1	15.8	15.9	17.9	21.1	18.3	39
excl S Africa & Nigeria	16.9	16.0	15.8	16.1	15.5	15.3	16.8	21.1	18.3	41
Angola	..	25.0	25.0	25.0	25.0	25.0	25.0	25.0	10.4	..
Benin	20.0	20.0	20.0	20.0	20.0	20.0	..	..	..	13
Botswana	34.0	19.9	21.1	22.2	48.0	52.0	54.0	56.0	55.0	94
Burkina Faso	17.1	17.6	18.2	18.7	16.0	..	..	..	..	70
Burundi	17.5	7.1	7.1	7.1	7.1	..	..	..	..	75
Cameroon	10.9	11.3	11.7	12.1	12.5	..	..	..	..	25
Cape Verde	78.0	78.0	78.0	78.0	78.0	..	..	..	..	14
Central African Republic	..	..	..	2.1	2.1	2.1	2.4	2.7	..	30
Chad	0.8	0.8	0.8	0.8	0.8	..	..	..	..	..
Comoros	70.7	72.1	73.5	75.0	76.5	..	..	..	..	43
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	20
Congo, Republic of	9.7	9.7	9.7	9.7	9.7	9.7	..	..	..	50
Côte d'Ivoire	8.9	9.1	9.2	9.4	9.6	9.7	..	..	..	75
Djibouti	12.6	12.6	12.6	12.6	12.6	12.6	..	..	..	51
Equatorial Guinea	..	..	..	..	..	..	..	..	..	27
Eritrea	19.8	20.2	20.6	21.0	21.4	21.8	..	..	..	..
Ethiopia	15.0	15.0	15.0	15.0	15.5	15.3	15.3	14.0	13.3	47
Gabon	8.2	8.2	8.2	8.2	8.2	8.2	..	..	..	30
Gambia, The	32.6	33.3	34.0	34.6	35.3	35.4	..	..	..	22
Ghana	23.0	23.5	23.9	24.4	24.9	24.1	..	..	..	28
Guinea	15.2	15.5	15.8	16.1	16.4	16.5	..	..	..	50
Guinea-Bissau	8.7	9.1	9.4	9.8	10.2	10.3	..	..	..	39
Kenya	13.3	13.8	14.3	13.6	13.8	13.9	..	..	..	32
Lesotho	17.0	16.0	15.0	15.0	17.9	17.9	16.8	17.3	18.3	53
Liberia	5.6	5.7	5.9	6.0	6.1	6.2	..	..	..	85
Madagascar	15.4	15.4	11.5	18.7	11.5	11.6	..	..	..	56
Malawi	17.0	17.0	18.0	18.0	20.0	20.0	19.0	..	..	56
Mali	11.1	11.3	11.5	11.8	12.0	12.1	..	..	..	70
Mauritania	11.0	11.1	11.1	11.1	11.2	11.3	..	..	..	58
Mauritius	93.0	93.0	93.0	93.0	93.0	93.0	93.0	96.0	96.0	95
Mozambique	17.2	17.5	17.8	18.2	18.6	18.7	..	..	..	19
Namibia	10.9	10.9	7.3	7.9	7.9	8.2	8.3	..	..	..
Niger	..	..	..	7.9	7.9	7.9	..	..	..	67
Nigeria	30.0	30.0	30.0	21.3	18.8	18.8	30.9	..	..	34
Rwanda	9.2	9.4	9.6	9.7	9.9	9.1	..	..	..	41
São Tomé and Príncipe	62.8	64.1	65.4	66.7	68.0	68.1	..	..	..	..
Senegal	27.8	28.3	28.3	28.4	28.5	29.3	..	..	..	28
Seychelles	58.0	59.1	60.3	61.5	62.8	62.9	..	..	..	..
Sierra Leone	10.8	11.0	11.0	11.0	8.0	8.0	8.0	..	..	62
Somalia	11.3	11.5	11.8	11.8	11.8	11.8	..	..	..	52
South Africa	..	..	..	..	41.5	..	..	11.8	..	..
Sudan	33.7	33.7	34.5	35.4	36.2	36.3	..	..	..	27
Swaziland	54.7	58.6	59.8	28.2	..	..	..	..	..	35
Tanzania	37.0	37.0	4.2	4.2	4.2	4.2	..	..	..	39
Togo	21.6	31.0	31.6	31.6	31.6	31.6	..	..	..	75
Uganda	..	..	..	..	..	..	..	..	..	10
Zambia	16.9	17.3	17.6	18.0	..	..	..	..	..	40
Zimbabwe	15.0	16.0	17.0	54.9	48.0	47.4	..	..	..	70
<b>NORTH AFRICA</b>	70.0	66.0	66.7	68.0	68.9	78.1	52.3	52.3	56.3	..
Algeria	70.0	66.0	66.7	68.0	68.9	..	..	..	..	..
Egypt, Arab Republic	72.0	73.0	72.0	75.0	78.0	78.1	..	..	..	..
Libya	52.7	53.8	54.9	56.0	57.1	..	..	..	..	..
Morocco	49.5	49.5	49.6	50.2	50.2	50.2	52.3	52.3	56.3	..
Tunisia	75.5	74.6	76.0	77.4	78.8	78.9	..	..	..	..
<b>ALL AFRICA</b>	17.2	17.5	17.8	18.2	18.3	17.9	19.0	21.1	36.6	39



## 9-9. Rail load to locomotive ratio

	Million rail ton-km/locomotive											Annual Average		
	1980	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	75-84	85-89	90-MR
SUB-SAHARAN AFRICA				20.5	18.5	16.8		19.1				14.9	15.2	18.7
excluding South Africa														
excl S Africa & Nigeria														
Angola	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Benin	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Botswana	..	..	..	..	..	..	..	..	..	..	19.9	..	..	19.9
Burkina Faso	..	..	..	..	..	..	..	..	..	18.0	24.9	..	..	21.4
Burundi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cameroon	10.9	6.5	9.0	10.1	8.9	9.6	8.6	12.4	13.3	10.0	14.2	9.8	8.4	10.9
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	11.7	10.9	..	11.2	..	..	..	1.0	..	..	1.7	12.0	11.5	4.6
Congo, Republic of	..	..	..	..	14.8	9.4	..	5.8	..	..	3.0	11.3	9.4	8.3
Côte d'Ivoire	12.8	..	..	8.0	6.7	6.8	4.5	4.5	5.7	..	17.4	12.3	12.3	7.7
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	6.1	..	2.3	..	..	..	..	..	..	..	6.1	2.3
Gabon	2.1	7.4	6.1	..	..	4.8	5.2	5.3	7.6	..	30.8	4.2	6.6	10.7
Gambia, The	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghana	..	..	..	3.3	..	..	..	..	..	..	..	..	1.6	3.3
Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kenya	6.9	..	9.2	8.8	9.0	..	..	..	..	..	..	9.2	8.7	8.9
Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Malawi	..	1.4	1.4	1.4	1.5	1.1	1.0	0.9	1.1	..	..	3.5	1.9	1.2
Mali	..	6.7	7.8	7.8	7.8	7.9	..	..	..	..	11.2	6.6	9.0	8.7
Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mauritius	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mozambique	..	..	..	..	..	..	..	..	..	..	5.9	..	..	5.9
Namibia	..	..	..	27.7	21.4	22.3	19.9	20.3	21.6	..	..	..	..	22.2
Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nigeria	3.8	..	..	..	..	0.3	..	0.0	..	..	..	5.0	2.5	0.2
Rwanda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	13.3	18.4	16.7	20.9	18.0	16.4	14.6	16.1	..	..	..	14.3	18.0	17.2
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	..	..	..	..	..	..	..	..	..	10.8	15.4	..	..	13.1
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	19.9	23.2	25.4	23.6	22.6	25.8	26.4	26.9	..	..	18.2	20.5	25.1
Sudan	8.0	..	..	..	4.5	..	..	..	11.1	14.2	12.3	7.0	4.8	10.5
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	..	..	8.4	..	11.7	11.4	13.9	12.2	14.9	..	17.4	7.7	8.1	13.6
Togo	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uganda	..	2.1	1.9	3.1	2.7	2.0	2.3	3.5	4.1	..	8.3	..	1.5	3.7
Zambia	16.1	23.0	22.7	7.5	15.4	14.6	15.1	9.9	6.8	..	7.2	17.2	21.1	10.9
Zimbabwe	21.7	19.3	..	13.6	14.0	16.0	17.5	27.9	27.5	..	..	20.7	20.0	19.4
NORTH AFRICA	9.9	..	..	10.2	10.6	9.7	10.3	10.4	..	..	10.3	9.9	10.3	10.2
Algeria	9.8	15.6	13.3	12.2	12.5	10.7	11.1	10.8	..	..	7.7	10.9	13.6	10.8
Egypt, Arab Republic	3.9	..	..	3.7	6.1	3.6	4.9	4.9	..	..	5.1	3.7	3.8	4.7
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	19.5	24.2	18.7	20.4	17.3	19.6	17.4	19.2	19.8	..	22.3	19.1	20.3	19.4
Tunisia	13.9	10.8	10.5	9.3	9.3	10.3	14.0	12.7	13.4	..	13.5	12.7	10.4	11.8
ALL AFRICA	..	..	..	16.0	15.2	13.9	16.4	15.5	..	..	..	12.9	13.9	15.4

## 9-10. Air transport

	Aircraft departures (Thousands)		Passengers carried (Thousands)		Air freight (million tons per km)	
	1998	1999	1998	1999	1998	1999
<b>SUB-SAHARAN AFRICA</b>	332	331	16,242	17,397		
excluding South Africa	239	229	9,763	10,023		
excl S Africa & Nigeria	232	222	9,449	9,355		
Angola	7	6	553	531	38	37
Benin	2	2	91	84	14	14
Botswana	5	6	124	144	0	0
Burkina Faso	2	3	102	147	14	14
Burundi	1	0	12	0	0	0
Cameroon	7	5	278	293	52	47
Cape Verde	15	12	236	252	0	1
Central African Republic	2	2	91	84	14	14
Chad	2	2	98	84	14	14
Comoros	..	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..
Congo, Republic of	10	6	241	132	14	14
Côte d'Ivoire	4	6	162	260	14	14
Djibouti	..	..	..	..	..	..
Equatorial Guinea	1	0	21	0	0	0
Eritrea	..	..	..	..	..	..
Ethiopia	27	25	790	861	127	102
Gabon	10	7	467	423	35	54
Gambia, The	..	..	..	..	..	..
Ghana	4	5	210	304	30	31
Guinea	1	1	36	59	0	1
Guinea-Bissau	1	0	20	0	0	0
Kenya	20	25	1,138	1,358	54	66
Lesotho	2	0	28	1	0	0
Liberia	..	..	..	..	..	..
Madagascar	18	19	601	635	29	32
Malawi	4	4	158	112	4	1
Mali	2	2	91	84	14	14
Mauritania	5	4	250	187	14	14
Mauritius	11	11	848	831	161	169
Mozambique	5	6	201	235	6	7
Namibia	8	8	214	201	2	4
Niger	2	2	91	84	14	14
Nigeria	8	8	313	668	27	30
Rwanda	..	..	..	..	..	..
São Tomé and Príncipe	1	1	25	34	0	0
Senegal	4	2	121	103	14	14
Seychelles	19	19	369	347	17	20
Sierra Leone	0	0	0	19	0	0
Somalia	..	..	..	..	..	..
South Africa	93	101	6,480	7,374	536	686
Sudan	4	7	499	390	17	34
Swaziland	2	1	41	12	0	0
Tanzania	6	5	220	190	4	2
Togo	2	2	91	84	14	14
Uganda	1	3	100	179	3	22
Zambia	1	1	49	42	1	0
Zimbabwe	18	13	789	567	157	35
<b>NORTH AFRICA</b>	150	151	12,718	13,442		
Algeria	44	36	3,382	2,937	19	15
Egypt, Arab Republic	40	44	3,895	4,620	255	270
Libya	6	6	571	571	0	0
Morocco	40	44	3,012	3,392	58	58
Tunisia	20	20	1,859	1,923	20	19
<b>ALL AFRICA</b>	482	481	28,961	30,839		

## Technical notes

### Tables

#### Table 9-1. Electric power consumption per capita.

This table refers to per capita electricity consumption, which means the production of power plants and combined heat and power plants, less distribution losses, and own use by heat and power plants (IEA and UN *Energy Statistics Yearbook*).

#### Table 9-2. Energy production and use, 1980 and 1998.

This table presents three indicators. *Energy production* refers to commercial forms of primary energy—petroleum (crude oil, natural gas liquids, and oil from nonconventional sources), natural gas, solid fuels, and primary electricity—all converted into oil equivalent (IEA and UN *Energy Statistics Yearbook*). *Commercial energy use* is indigenous production plus imports and stock changes, minus exports and international marine bunkers (IEA and UN *Energy Statistics Yearbook*). *Electric power transmission* includes losses in transmission between sources of supply and points of distribution and in the distribution to consumers, including pilferage. Production less transmission and distribution losses, own-use, and transformation losses is equal to end-use electricity consumption (IEA and UN *Energy Statistics Yearbook*).

**Table 9-3. Telephone, radio, and television availability, 1994–98.** This table presents data for six communication indicators. Telephone mainlines (ITU) refer to telephone lines connecting a customer's equipment to the public switched telephone network, where mainline is normally identified by a unique number.

Mainlines are presented for every 1,000 people (Table 1.2). *Waiting list* shows the number of applications (in thousands) for a connection to a mainline that have been held up by a lack of technical capacity (ITU). *Cost of local call* is the cost of a three-minute call within the same exchange area using the subscriber's equipment (that is, not from a public phone) (ITU). *Mobile phones* refer to users of portable telephones who subscribe to an automatic public mobile telephone service using cellular technology that provides access to the public switched-telephone network, per 1,000 people (Table 1.2)(ITU). *Radios* are the estimated number of radio receivers in use for broadcast to the general public, per 1,000 people (Table 1.2) (*UNESCO Statistical Yearbook*). *Television sets* are the estimated number of television sets in use, per 1,000 people (Table 1.2) (ITU).

#### Table 9-4. Personal computers and Internet use.

*Personal computers* are self-contained computers designed to be used by a single individual. *Internet hosts* are computers with active Internet Protocol (IP) addresses connected to the Internet. All hosts without a country code identification are assumed to be located in the United States. *Internet users* are people with access to the worldwide network. The data on personal computers and Internet users are from the ITU. They are reported in the ITU's *World Development Report 2000, Challenges to the Network: Internet for Development* (1999), and the *World Telecommunications Indicators Database* (2000b). The data on Internet hosts are from the Internet Software Consortium ([www.isc.org](http://www.isc.org)).

**Table 9-5. Vehicle ownership.** Vehicles (International Road Federation) include all forms of road transportation, except buses. They are expressed as a ratio of 1,000 people (Table 1.2).

**Table 9-6. Road-to-population ratio.** This table presents the ratio of 1,000 kilometers of paved or unpaved road (International Road Federation) per 1 million people (Table 1.2).

**Table 9-7. Paved primary roads.** This table presents paved primary roads, that is, those that have been sealed with asphalt or similar road-bonding material (International Road Federation) as a ratio to total roads and then shows the percentage that is in good condition (World Bank data).

**Table 9-8. Rail goods traffic-to-\$PPP GDP ratio.** This measures the tonnage of goods per million dollars of GDP measured in PPP terms (World Bank data).

**Table 9-9. Rail load-to-locomotive ratio.** This is the volume of rail transported goods (measured in millions of metric tons times kilometers traveled) per single locomotive (World Bank data).

**Table 9-10. Air transport.** *Aircraft departures* are the number of domestic and international takeoffs of air carriers registered in the country. *Air passengers carried* include both domestic and international aircraft passengers of air carriers registered in the country. *Air freight* is the sum of the metric tons of freight, express, and diplomatic bags carried on each flight stage (the operation of an aircraft from takeoff to its next landing) multiplied by the stage distance of air carriers registered in the country. The air transport data are from the International Civil Aviation Organization's (ICAO) *Civil Aviation Statistics of the World* and ICAO staff estimates.

**Methodology used for regional aggregations and period averages in chapter 9**

Table	Aggregations <sup>a</sup>				Period averages <sup>b</sup>
	(1)	(6)	(7)	(8)	(1)
9-1		x			x
9-2					
Columns 1-4	x				
Columns 5-6				x	
9-3					
Columns 1-2, 4-6		x			
Column 3				x	
9-4					
Columns 1-2		x			
Column 3	x				
9-5		x	x		x
9-6		x	x		x
9-7					
Columns 1-8				x	
Column 9		x			
9-8				x	x
9-9		x	x		x
9-10	x				

Note: Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).

## Privatization of Public Enterprises

In the past, the dominance of the public enterprise sector in most African economies warranted the collection and publication of the sector's performance. With its diminishing size and importance due to privatization, it is no longer informative to produce such data. Instead, as privatization programs advance to maturity, it will become important to track the performance of private sector businesses. In the meantime, measurement of the level of privatization activity is a useful gauge of the decreasing role of governments in commercial business; conversely, it indicates how much of state-owned commercial activity has been transferred to the private sector. To the extent that data are available, it is also possible to measure how privatization has, over time, contributed to government revenues and mobilized savings and investment. However, this measurement is by no means easy or precise, partly because of incomplete and inconsistent data but also because of redefinitions of the public enterprise sector. For example, some enterprises, notably those formerly in a monopolistic position, are being split in order to separate their commercial, social, developmental, and regulatory activities. In some cases, separate operating divisions or geographically distinct assets are sold separately. And in yet other cases, commercial and semi-commercial activities are being separated out from government ministries and other agencies to become redefined as "commercial enter-

prises." These include, for example, business centers, media, and some training institutes. So, the public enterprise sector, as defined several years ago, has changed. Nevertheless, the well over 3,500 privatization transactions that were reported across Africa up to the end of 2000 have brought about fundamental changes:

- The fiscal burden of public enterprises has been reduced or eliminated.
- Privatization receipts have contributed to a reduction in fiscal deficits.
- Privatization has attracted foreign direct investment both to acquire enterprises and for post-privatization investment in those businesses.
- The process has stimulated private sector development by making investment opportunities available, spurring capital market development, and contributing to a more competitive business environment.
- Being a politically sensitive subject, the process has highlighted the need for transparency and public accountability.

The tables presented in this chapter summarize data contained in the World Bank's Africa Privatization Database, which is accessible through the internet at:

*<http://www.worldbank.org/afr/database/afrpriv/plquery.cfm>*



## 10-1. Summary of privatization of public enterprises

	Total no. of trans- actions	Total sales value Before (US\$m)	Transactions completed							Transactions by sector				
			1996	1996	1997	1998	1999	2000	Agric. prod. & process	Financial	Manu- facturing	Services	Trade	Other
SUB-SAHARAN AFRICA	3,538	7,352	2,021	426	241	129	86	67	762	155	1,062	781	133	445
excluding South Africa	3,522	4,891	2,018	425	239	125	86	65	762	155	1,056	771	133	445
excl. S. Africa & Nigeria	3,241	4,684	1,937	426	241	129	86	67	762	155	1,033	761	133	445
Angola	332	25	..	56	..	..	..	1	9	1	29	9	9	275
Benin	50	63	44	..	..	..	3	1	8	1	18	18	5	..
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	47	24	20	6	..	2	9	1	11	4	17	13	2	..
Burundi	42	11	26	13	3	..	..	..	21	4	6	9	2	..
Cameroon	48	72	16	23	5	4	6	..	24	4	7	12	1	..
Cape Verde	48	172	23	10	9	..	..	5	8	3	18	15	4	..
Central African Republic	37	0	35	..	..	1	1	..	8	6	9	14	..	..
Chad	35	6	25	6	..	..	10	2	11	6	7	8	3	..
Comoros	4	0	..	..	..	..	..	..	..	..	..	..	..	4
Congo, Dem. Rep. of	21	0	18	3	..	..	6	..	3	1	6	10	1	..
Congo, Rep. of	102	50	46	15	..	..	12	3	38	8	21	30	5	..
Côte d'Ivoire	105	811	48	21	15	11	1	4	40	5	33	25	2	..
Djibouti	..	..	..	..	..	..	3	..	..	..	..	..	..	..
Equatorial Guinea	3	0	..	..	..	..	23	..	..	..	..	..	..	3
Eritrea	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Ethiopia	125	203	9	..	..	1	10	..	..	..	6	3	1	115
Gabon	27	0	..	..	1	..	..	..	..	..	1	1	..	25
Gambia, The	34	10	31	..	..	1	..	1	8	4	9	8	5	..
Ghana	236	674	169	20	27	4	..	4	44	10	102	50	30	..
Guinea	117	9	116	..	1	..	..	..	11	7	56	14	29	..
Guinea-Bissau	29	1	29	..	..	..	..	..	4	..	6	14	5	..
Kenya	188	248	135	22	27	4	..	..	71	12	59	39	7	..
Lesotho	22	24	9	..	1	4	..	2	1	5	2	10	4	..
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	136	43	84	..	..	..	..	1	50	4	46	26	10	..
Malawi	69	57	35	8	5	5	..	3	38	5	14	9	..	3
Mali	75	32	60	..	..	1	..	8	12	3	24	27	9	..
Mauritania	57	10	35	..	..	..	..	6	21	6	7	19	3	1
Mauritius	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mozambique	579	217	510	38	31	..	..	..	75	2	256	120	126	..
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	35	3	34	..	..	..	..	..	2	2	6	4	3	18
Nigeria	81	207	81	..	..	..	..	..	23	24	23	10	1	..
Rwanda	2	0	..	..	..	..	..	..	1	..	1	..	..	..
São Tomé and Príncipe	9	0	9	..	..	..	..	..	..	..	5	1	3	..
Senegal	62	412	38	11	4	4	..	1	7	11	13	29	2	..
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	10	0	8	..	1	..	..	..	..	..	4	6	..	..
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	16	2,461	3	1	2	4	..	2	..	..	6	10	..	..
Sudan	32	0	32	..	..	..	..	..	11	1	8	11	1	..
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	284	246	108	46	40	64	..	2	98	3	109	46	27	1
Togo	60	39	26	18	9	3	..	3	9	1	25	24	1	..
Uganda	105	149	67	18	2	..	..	11	21	5	33	34	12	..
Zambia	268	906	90	91	55	16	1	6	71	6	69	102	20	..
Zimbabwe	6	166	2	..	3	..	..	..	3	1	1	1	..	..
NORTH AFRICA	142	595	44	27	30	40	1	..	13	..	58	53	2	16
Algeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Egypt	54	307	5	10	8	31	..	..	5	..	34	8	1	6
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	52	259	12	17	16	6	1	..	4	..	10	28	..	10
Tunisia	36	29	27	..	6	3	..	..	4	..	14	17	1	..
ALL AFRICA	3,680	7,946	2,065	453	271	169	87	..	775	..	1,120	834	335	461

## 10-2. Divestiture Methods Employed (to end 2000)

	Sales of shares			Sale of Assets				Other methods						
	Com- petitive sale	Direct Sale	Pre- emption rights	Public flotation	Liqui- dation	Compet- itive sale	Direct sale	Debt/ Equity swaps	Leases	Joint ventures	Mgmt./ employee buyouts	Mgmt. con- tracts	Restit- ution	Other
SUB-SAHARAN AFRICA	971	83	181	104	676	536	40	13	142	37	36	57	19	51
excluding South Africa	962	83	181	103	676	536	40	13	142	37	36	57	19	51
excl. S. Africa & Nigeria	957	83	181	96	676	536	40	13	142	37	36	57	19	51
Angola	..	..	..	..	..	57	..	..	..	..	..	..	..	275
Benin	5	2	..	..	23	12	3	..	2	..	..	2	..	1
Botswana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burkina Faso	19	3	..	..	17	..	..	..	1	..	..	1	1	4
Burundi	11	3	5	..	13	5	..	..	..	..	1	9	..	..
Cameroon	20	..	..	..	18	..	..	..	..	..	..	..	..	10
Cape Verde	20	2	..	..	10	1	1	..	..	..	6	1	..	2
Central African Republic	2	..	..	..	26	..	..	..	1	1	..	1	..	6
Chad	15	2	..	..	11	..	..	..	..	..	..	5	..	2
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Congo, Dem. Rep. of	2	..	..	..	90	..	..	..	..	..	..	2	..	8
Congo, Rep. of	1	..	..	..	15	..	..	..	..	..	..	5	..	..
Côte d'Ivoire	15	2	23	22	2	25	8	..	3	1	..	..	..	4
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Eritrea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	10	..	..	..	..	..	..	..	115
Gabon	..	..	..	..	1	..	..	..	..	..	..	..	..	26
Gambia, The	13	7	..	..	3	1	..	..	5	1	1	1	..	2
Ghana	10	11	19	13	56	76	12	2	5	13	..	1	..	6
Guinea	42	1	..	..	67	1	..	..	4	..	..	2	..	..
Guinea-Bissau	7	2	..	..	8	2	..	..	2	1	..	7	12	..
Kenya	13	..	96	16	36	17	4	1	..	..	1	1	..	3
Lesotho	6	3	..	..	7	2	..	..	1	..	..	..	..	3
Liberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	6	14	..	..	29	15	6	..	1	1	..	3	8	53
Malawi	22	5	..	2	..	13	..	1	..	..	..	..	3	23
Mali	23	1	..	..	31	11	..	..	1	..	..	1	3	4
Mauritania	26	..	..	..	17	3	..	..	..	..	..	1	3	7
Mauritius	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mozambique	509	..	..	..	..	22	..	..	37	10	..	1	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Niger	13	..	..	..	17	..	..	..	..	..	..	2	..	3
Nigeria	5	5	..	37	2	29	..	..	..	..	1	..	2	..
Rwanda	..	..	..	..	..	..	..	..	..	..	..	..	..	2
São Tomé and Príncipe	..	1	..	..	6	..	..	..	..	..	1	1	..	..
Senegal	27	1	1	2	23	1	..	1	3	1	..	1	..	1
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	..	..	..	..	1	..	..	..	5	..	..	3	..	1
Somalia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Africa	9	..	..	1	..	1	..	..	..	..	..	..	..	5
Sudan	7	..	..	..	..	15	..	5	1	..	..	..	..	4
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	61	4	13	1	84	70	3	1	25	3	6	3	2	6
Togo	10	7	..	..	20	13	1	..	6	..	..	3	..	..
Uganda	14	..	10	2	21	25	..	2	1	4	2	..	5	8
Zambia	37	6	14	4	22	109	2	..	38	1	17	..	16	2
Zimbabwe	1	1	..	4	..	..	..	..	..	..	..	..	..	..
NORTH AFRICA														
Algeria	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Egypt	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Libya	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morocco	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tunisia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ALL AFRICA	971	83	181	104	676	536	40	13	142	37	36	57	19	51

### 10-3. Progress in privatization: ownership and control changes\*

	Transfer of majority owner- ship to private shareholders	Government retention of majority ownership	Government retention of minority interest	Sales of minority government interest	Total share transactions	Total asset sales and liquidation	Other transactions	Total trans- actions
SUB-SAHARAN AFRICA	2,070	229	388	221	1,339	1,252	947	3,538
excluding South Africa	2,064	222	386	221	1,329	1,251	942	3,522
excl. S. Africa & Nigeria	2,016	221	378	221	1,282	1,220	939	3,441
Angola	56	..	1	..	0	57	275	332
Benin	41	3	2	1	7	38	5	50
Botswana	..	..	..	..	0	0	0	0
Burkina Faso	10	..	20	2	22	17	8	47
Burundi	30	..	1	11	19	18	10	47
Cameroon	46	1	1	..	20	18	10	48
Cape Verde	28	3	6	5	22	12	9	43
Central African Republic	28	2	1	2	2	26	9	37
Chad	15	5	6	4	17	11	7	35
Comoros	59	..	..	..	0	0	4	4
Congo, Dem. Rep. of	..	5	1	..	2	90	10	102
Congo, Rep. of	16	1	..	..	1	15	5	21
Côte d'Ivoire	37	9	29	29	62	35	8	105
Djibouti	..	..	..	..	0	0	0	0
Equatorial Guinea	..	..	..	..	0	0	3	3
Eritrea	..	..	..	..	0	0	0	0
Ethiopia	10	..	..	..	0	10	115	125
Gabon	..	1	..	..	0	1	26	27
Gambia, The	19	7	..	6	20	4	10	34
Ghana	161	12	25	24	53	144	27	224
Guinea	90	9	18	..	43	68	6	117
Guinea-Bissau	20	9	..	..	9	10	22	41
Kenya	67	3	53	61	125	57	6	188
Lesotho	11	5	3	1	9	9	4	22
Liberia	..	..	..	..	0	0	0	0
Madagascar	65	4	17	..	20	50	66	136
Malawi	33	..	7	5	29	13	27	69
Mali	52	1	9	3	24	42	9	75
Mauritania	25	3	8	18	26	20	11	57
Mauritius	..	..	..	..	0	0	0	0
Mozambique	461	43	75	..	509	22	48	579
Namibia	..	..	..	..	0	0	0	0
Niger	26	2	3	2	13	17	5	35
Nigeria	48	1	8	23	47	31	3	81
Rwanda	..	..	..	..	0	0	2	2
São Tomé and Príncipe	8	1	..	..	1	6	2	9
Senegal	34	8	12	6	31	24	7	62
Seychelles	..	..	..	..	0	0	0	0
Sierra Leone	..	9	1	..	0	1	9	10
Somalia	..	..	..	..	0	0	0	0
South Africa	6	7	2	..	10	1	5	16
Sudan	28	1	3	..	7	15	10	32
Swaziland	..	..	..	..	0	0	0	0
Tanzania	208	30	33	3	79	157	48	284
Togo	39	8	1	9	17	34	9	60
Uganda	87	6	9	2	26	46	33	105
Zambia	205	30	28	4	61	133	74	268
Zimbabwe	1	..	5	..	6	0	0	6
NORTH AFRICA								
Algeria	..	..	..	..	..	..	..	..
Egypt	..	..	..	..	..	..	..	..
Libya	..	..	..	..	..	..	..	..
Morocco	..	..	..	..	..	..	..	..
Tunisia	..	..	..	..	..	..	..	..
ALL AFRICA								

\*reflect data to end 2000

## Technical notes

### Tables

**Table 10-1. Summary of privatization of public enterprises.** For purposes of monitoring and reporting on privatization activity, all reported transactions involving a sale of assets or shares (however small) or the formal yielding of management control (as through a management contract) are included in the World Bank's Africa Privatization Database. Hence, in the table, "privatization" is used generically to include: the sale or disposal of some or all of the assets of public enterprises, the sale of government-owned shares in enterprises, the reduction in equity percentage held by a government through share dilutions or through transfer of enterprise assets to a new joint venture, liquidations, leases, and management contracts. Sometimes, the process of privatizing an enterprise involves several consecutive transactions (for example, a sale of a block of shares to a core investor and a subsequent initial public offering). The table summarizes the data contained in the Africa Privatization Database which originate from national privatization agencies and other sources. The data are frequently updated and changes to previous entries occur as more information becomes available. There are a few instances where previously reported privatizations are removed from the database because a transaction has been nullified due to non-fulfillment of contractual conditions on the part of one of the parties. For financial data, the term "sale value" is preferred since the use of the term "proceeds" might imply the value of amounts actually paid. In practice, some deals are structured so that new investors may

acquire assets or shares on deferred terms. Also, it should be noted that: (i) in the cases of some subsidiary companies, the cash proceeds are not paid to government but instead go to the parent company; and (ii) for official liquidations, the proceeds are paid to the liquidator who first applies them toward settling enterprise debts.

**Table 10-2. Divestiture methods employed (to end 2000).** The table shows the various privatization methods employed in each country. The methods employed could not be confirmed for all transactions. "Direct sales" refers to transactions which were negotiated directly with one party and which were not the outcome of a competitive bidding process. However, in some cases a direct sale was concluded (on a non-competitive basis) as a result of a failure of an earlier competitive bidding process. "Preemptive rights" refers to transactions whereby a government has sold shares to an existing private shareholder (or shareholders) who exercised preemptive rights to acquire those shares in accordance with specific provisions of the company's charter (Articles of Association). In some cases, the charter specified the amount to be paid per share or the formula for calculating that amount; otherwise it has been the subject of negotiation. "Joint ventures" refer to the type of transaction whereby a government concluded a deal (usually with a foreign investor) involving the formation of a new company in which the government's equity contribution was in the form of the major or all assets of a public enterprise. The remaining shell company would then be maintained only as a book company or be liq-

uidated; if it were liquidated it is not included as a liquidation since this would be double counting. Transactions described as “Trustees” refer to privatizations achieved by transference of shares of a public enterprise to a trustee for onward sale, at a later date or over a period, to the public or to selected segments of the public. “Restitutions” are those transactions whereby a company has been handed back to a previous owner from whom the company had been expropriated. “Other sales” includes sundry methods, such as enterprises donated by governments to local communities, but principally comprises transactions where the method of privatization was not reported.

**Table 10-3. Progress in privatization: ownership and control changes (to end 2000).** This table presents the inferred outcome of privatization transactions on the ownership and control of enterprises or their assets. Ownership changes are important in indicating the effect that privatization transactions may or may not have on the enterprises and in indicating the extent of a government’s willingness and/or abil-

ity to exit from equity participation in commercial activity. Although a government’s influence is not necessarily restricted by its equity participation, it is generally assumed that once a government owns less than 50 percent of the voting shares of a company, that company is “private” and the private shareholders (except in the instance of exercise of golden share rights) have management control of the company. Ownership control is usually unaffected when government continues to be a majority shareholder or sells a minority interest. Concessions, leases, and management contracts are assumed not to have affected ownership rights but to have transferred management control to the private sector for a defined period. The table shows the number of reported transactions where governments have: fully sold wholly- or majority-owned enterprises, sold shares and transferred ownership control but retained a minority equity interest, sold shares but retained ownership control, sold a proportion of a minority stake, and other transactions where management control has been ceded.

### Methodology used for regional aggregations and period averages in chapter 10

Table	Aggregations <sup>a</sup>		Period averages <sup>b</sup>
	(1)	(2)	(1)
10-1	x		
10-2	x		
10-3	x		

Note: Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).

## Labor Force and Employment

**T**his chapter presents data on the level and structure of the labor force. The distribution of the labor force into various industrial activities is also given, as well as the participation rates of the population in economic activities. Information is also presented on average wages in different sectors.

The treatment of statistics on public sector employment is not consistent among countries. The scope covered often varies. While some countries include education and health sectors, others leave them out. Staff of local, regional, and state or provincial governments are likewise treated differently.

The stipulations on wages take different forms among the countries where such practice exists. While some countries have a minimum wage per hour worked, others stipulate a minimum monthly wage for a worker. To permit some measure of comparability, we have computed and reported the monthly average earnings per wage earner. These earnings are further converted to U.S. dollars at the Atlas exchange rate. These data should be used with caution since some countries have more than one minimum wage rate based on the industry and the occupation within the industry as well as on the region of the country concerned.

The definition of labor force or economically active population is that used by the International Labor Organization (ILO), which follows the UN system of national accounts (SNA). The labor force is measured by dividing economically active persons into two categories: employed and unemployed. Caution in the use of the data is necessary because, as pointed out in the ILO's *World Labor Report 1* (1987), there are many persons who do not clearly come within one of these categories or the other. Many are visibly underemployed in that they work less than full time. Others work full time but earn less than a subsistence income. Some of the unemployed may even be voluntarily idle.

The comparability of the data is further hampered by the fact that practices vary among countries as regards the treatment of such groups as armed forces, inmates of institutions, persons living on reservations, persons seeking their first job, seasonal workers, and persons engaged in part-time economic activities. In some countries, all or part of these groups are included among the economically active, while in others they are treated as inactive. In addition, the extent to which family workers who assist in family enterprises are included among the enumerated economically active population, particularly females, varies considerably

from country to country. Further, in some countries the statistics of the economically active relate only to employed and unemployed persons above a specified age, while in others there is no such age provision.

The reference period is also an important factor of difference, especially when it comes to the classification of the labor force according to industry. In some countries, such classification refers to the actual posi-

tion of each individual on the day of the census or survey date, while in others the data recorded refer to the usual position of each person, generally without reference to any given period of time.

The sources for the tables in this chapter are various issues of the ILO's *Yearbook of Labor Statistics*, and electronic ILO files kept in World Bank SIMA.



# 11-1. Number and gender structure of the labor force

	Total labor force (thousands)			Percentage of total labor force that is female		
	1970	1980	1999	1970	1980	1999
<b>SUB-SAHARAN AFRICA</b>	132,816	170,270	281,666	42.4	42.3	42.2
excluding South Africa	124,577	159,929	264,992	43.1	42.1	42.5
excl. S. Africa & Nigeria	102,174	130,403	215,929	44.5	44.2	43.9
Angola	2,895	3,467	5,672	47.4	47.0	46.3
Benin	1,366	1,659	2,751	48.4	47.0	48.3
Botswana	286	395	704	53.5	50.1	45.4
Burkina Faso	3,250	3,801	5,454	48.9	47.6	46.5
Burundi	1,957	2,267	3,619	50.5	50.2	48.8
Cameroon	3,016	3,618	5,979	37.3	36.8	37.9
Cape Verde	86	94	174	29.1	34.0	38.9
Central African Republic	..	..	..	..	..	..
Chad	1,833	2,234	3,623	42.5	43.4	44.6
Comoros	..	152	248	..	43.1	42.3
Congo, Democratic Rep. of	9,507	12,019	20,607	45.2	44.5	43.4
Congo, Republic of	546	703	1,181	41.2	42.4	43.5
Côte d'Ivoire	2,316	3,278	6,203	33.0	32.2	33.3
Djibouti	..	..	..	..	..	..
Equatorial Guinea	135	97	185	36.3	35.1	35.5
Eritrea	945	1,217	1,999	47.5	47.4	47.4
Ethiopia	13,456	16,935	27,059	42.4	42.3	40.9
Gabon	280	362	555	45.7	45.0	44.6
Gambia, The	245	330	633	44.9	44.8	45.0
Ghana	4,013	5,091	8,904	50.6	51.0	50.5
Guinea	2,067	2,293	3,444	47.7	47.1	47.2
Guinea-Bissau	272	398	556	39.7	39.9	40.5
Kenya	5,600	7,834	15,058	45.2	46.0	46.1
Lesotho	465	564	865	39.4	37.9	36.9
Liberia	602	790	1,239	38.0	38.4	39.6
Madagascar	3,430	4,321	7,089	45.5	45.2	44.7
Malawi	2,358	3,110	5,189	50.6	50.6	48.7
Mali	2,817	3,394	5,175	46.5	46.7	46.2
Mauritania	621	746	1,198	46.7	45.0	43.7
Mauritius	251	343	505	19.9	25.7	32.4
Mozambique	5,261	6,689	8,978	49.2	49.0	48.4
Namibia	360	446	701	39.7	40.1	40.9
Niger	2,132	2,787	4,943	45.1	44.6	44.3
Nigeria	22,404	29,526	49,063	36.8	36.2	36.4
Rwanda	1,972	2,638	4,479	49.4	49.1	48.8
São Tomé and Príncipe	..	..	..	..	..	..
Senegal	1,979	2,542	4,151	41.6	42.2	42.6
Seychelles	..	..	..	..	..	..
Sierra Leone	1,068	1,249	1,841	35.6	35.5	36.7
Somalia	1,728	2,681	4,028	43.9	43.4	43.4
South Africa	8,238	10,341	16,674	32.7	35.1	37.7
Sudan	5,169	6,837	11,510	26.7	26.9	29.3
Swaziland	158	202	371	33.5	33.5	37.7
Tanzania	7,326	9,513	16,922	50.6	49.8	49.2
Togo	907	1,140	1,891	39.0	39.3	40.0
Uganda	5,210	6,621	10,568	48.2	47.9	47.6
Zambia	1,898	2,398	4,180	44.6	45.4	44.9
Zimbabwe	2,388	3,147	5,500	44.4	44.4	44.5
<b>NORTH AFRICA</b>	22,408	29,271	50,055	25.8	27.2	30.4
Algeria	3,533	4,854	9,913	20.3	21.4	27.0
Egypt, Arab Republic	11,635	14,306	23,684	25.9	26.5	30.1
Libya	620	943	1,550	16.3	18.6	22.6
Morocco	5,083	6,978	11,210	31.4	33.5	34.7
Tunisia	1,538	2,190	3,698	23.7	28.9	31.4
<b>ALL AFRICA</b>	155,234	199,541	331,721	40.0	40.1	40.4

## 11-2. Children under 14 working in the labor force

	<i>As percentage of population age 10 to 14</i>			
	1970	1980	1990	2000
SUB-SAHARAN AFRICA	36.2	34.6	32.3	29.9
excluding South Africa	39.0	37.1	34.5	31.9
excl S Africa & Nigeria	41.0	39.3	36.3	33.5
Angola	31.4	29.7	28.1	26.1
Benin	34.4	30.3	28.6	26.5
Botswana	32.3	25.9	19.4	14.4
Burkina Faso	75.1	70.9	58.7	43.5
Burundi	50.8	50.0	49.4	48.5
Cameroon	38.9	33.9	27.5	23.0
Cape Verde	17.3	16.0	14.7	13.6
Central African Republic	45.0	39.4	33.8	28.6
Chad	41.9	41.6	40.0	36.6
Comoros	45.8	44.7	40.9	37.6
Congo, Democratic Rep. of	36.5	33.2	30.5	28.6
Congo, Republic of	28.3	27.5	26.6	25.4
Côte d'Ivoire	34.6	28.4	22.3	18.6
Djibouti	..	..	..	..
Equatorial Guinea	42.7	40.4	35.8	32.0
Eritrea	46.1	43.8	40.8	38.4
Ethiopia	48.5	46.3	43.5	41.1
Gabon	35.6	29.1	22.7	14.1
Gambia, The	45.9	44.4	40.2	33.8
Ghana	16.3	16.2	14.6	12.0
Guinea	43.3	41.2	37.0	31.1
Guinea-Bissau	45.2	43.4	40.4	36.7
Kenya	45.0	45.0	43.4	39.2
Lesotho	30.9	27.7	23.5	20.7
Liberia	31.1	25.7	21.8	15.4
Madagascar	41.7	40.2	37.6	34.1
Malawi	50.7	45.2	38.9	31.5
Mali	62.5	61.2	57.9	51.1
Mauritania	33.3	29.6	25.8	22.1
Mauritius	5.8	4.8	4.0	2.0
Mozambique	40.7	39.5	35.2	32.4
Namibia	40.2	33.6	26.0	17.4
Niger	48.8	47.8	46.8	43.6
Nigeria	30.8	29.2	27.6	23.9
Rwanda	43.3	42.5	42.1	41.3
São Tomé and Príncipe	..	..	..	..
Senegal	46.9	42.9	35.4	27.3
Seychelles	..	..	..	..
Sierra Leone	21.7	19.4	17.1	13.9
Somalia	39.9	37.7	34.5	31.3
South Africa	2.7	0.9	0.0	0.0
Sudan	34.1	33.3	31.4	27.4
Swaziland	19.1	17.2	15.3	12.3
Tanzania	45.6	42.8	42.1	36.9
Togo	40.4	36.1	30.4	26.8
Uganda	50.4	48.8	46.8	43.8
Zambia	21.1	19.0	16.9	15.6
Zimbabwe	41.1	36.7	31.8	27.0
NORTH AFRICA	12.7	15.1	8.8	5.8
Algeria	11.4	7.1	3.3	0.0
Egypt, Arab Republic	23.6	18.3	13.2	9.3
Libya	12.8	8.7	0.5	0.0
Morocco	21.5	20.9	10.6	0.6
Tunisia	12.2	5.8	0.0	0.0
ALL AFRICA	31.3	30.9	28.0	25.9

### 11-3. Unpaid family workers as share of active workers

	<i>Percentage of unpaid family workers in economically active workers (most recent year available between 1980-1998)</i>		
	<i>Female</i>	<i>Male</i>	<i>Total</i>
<b>SUB-SAHARAN AFRICA</b>	.	.	.
excluding South Africa	..	..	..
excl S Africa & Nigeria	..	..	..
Angola	..	..	..
Benin	..	..	..
Botswana	41.8	36.0	77.7
Burkina Faso	..	..	..
Burundi	..	..	..
Cameroon	32.7	9.2	41.9
Cape Verde	..	..	..
Central African Republic	..	..	..
Chad	..	..	..
Comoros	..	..	..
Congo, Democratic Rep. of	..	..	..
Congo, Republic of	..	..	..
Côte d'Ivoire	..	..	..
Djibouti	..	..	..
Equatorial Guinea	..	..	..
Eritrea	..	..	..
Ethiopia	..	..	..
Gabon	..	..	..
Gambia, The	..	..	..
Ghana	0.0	0.0	0.0
Guinea	..	..	..
Guinea-Bissau	..	..	..
Kenya	..	..	..
Lesotho	..	..	..
Liberia	..	..	..
Madagascar	..	..	..
Malawi	..	..	..
Mali	..	..	..
Mauritania	..	..	..
Mauritius	..	..	..
Mozambique	..	..	..
Namibia	..	..	..
Niger	..	..	..
Nigeria	14.9	8.6	23.5
Rwanda	..	..	..
São Tomé and Príncipe	..	..	..
Senegal	..	..	..
Seychelles	0.4	0.2	0.6
Sierra Leone	..	..	..
Somalia	..	..	..
South Africa	..	..	..
Sudan	..	..	..
Swaziland	..	..	..
Tanzania	..	..	..
Togo	..	..	..
Uganda	..	..	..
Zambia	..	..	..
Zimbabwe	..	..	..
<b>NORTH AFRICA</b>		6.9	13.5
Algeria	..	5.6	6.2
Egypt, Arab Republic	1.9	15.0	16.9
Libya	..	..	..
Morocco	..	..	..
Tunisia	18.5	5.1	23.6
<b>ALL AFRICA</b>			

## 11-4. Industrial structure of the labor force

	Percentage of labor force working in								
	Agriculture			Industry			Services		
	1970	1980	1990	1970	1980	1990	1970	1980	1990
<b>SUB-SAHARAN AFRICA</b>	78	72	68	8	9	9	14	20	24
excluding South Africa	82	75	71	6	7	7	12	18	22
excl S Africa & Nigeria	84	80	77	6	7	7	10	13	16
Angola	78	76	75	7	8	8	15	16	17
Benin	81	67	64	5	7	8	14	26	28
Botswana	82	64	46	5	10	20	13	26	33
Burkina Faso	92	92	92	3	3	2	5	5	6
Burundi	94	93	92	2	2	3	4	5	6
Cameroon	85	73	70	5	8	9	10	19	21
Cape Verde	47	37	31	27	31	30	27	33	40
Central African Republic	89	85	80	2	3	3	8	12	16
Chad	92	88	83	2	3	4	5	9	13
Comoros	83	81	77	7	8	9	10	11	13
Congo, Democratic Rep. of	75	72	68	11	12	13	14	16	19
Congo, Republic of	66	58	49	11	13	15	23	29	37
Côte d'Ivoire	76	65	60	6	8	10	19	27	30
Djibouti	..	..	..	..	..	..	..	..	..
Equatorial Guinea	82	78	75	5	5	5	14	17	20
Eritrea	86	83	80	4	5	5	10	12	15
Ethiopia	91	89	86	2	2	2	7	9	12
Gabon	79	65	52	9	12	16	12	22	33
Gambia, The	87	84	82	5	7	8	8	9	11
Ghana	60	61	59	15	13	13	25	25	28
Guinea	92	91	87	1	1	2	7	8	11
Guinea-Bissau	89	87	85	1	2	2	9	11	13
Kenya	86	82	80	5	6	7	9	11	13
Lesotho	43	40	40	36	34	28	21	26	32
Liberia	81	76	72	7	6	6	12	17	22
Madagascar	84	82	78	5	6	7	11	13	15
Malawi	91	87	87	4	5	5	5	7	8
Mali	93	89	86	1	2	2	6	9	12
Mauritania	84	72	55	3	7	10	12	22	34
Mauritius	34	27	17	25	28	43	41	45	40
Mozambique	86	84	83	6	7	8	8	8	9
Namibia	64	56	49	15	15	15	21	29	36
Niger	93	91	90	2	3	4	5	5	6
Nigeria	71	54	43	11	8	7	19	38	50
Rwanda	94	93	92	3	3	3	4	4	5
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..
Senegal	83	81	77	6	6	8	12	13	16
Seychelles	..	..	..	..	..	..	..	..	..
Sierra Leone	76	70	67	12	14	15	12	16	17
Somalia	81	78	75	6	7	8	13	14	16
South Africa	31	17	14	30	35	32	39	48	54
Sudan	77	72	69	6	8	8	17	20	22
Swaziland	65	50	39	13	19	22	22	31	38
Tanzania	90	86	84	3	4	5	7	10	11
Togo	74	69	66	9	10	10	17	22	24
Uganda	90	87	85	3	4	5	7	9	11
Zambia	79	76	75	7	8	8	14	16	17
Zimbabwe	77	72	68	11	12	8	12	15	24
<b>NORTH AFRICA</b>	51	51	37	18	20	25	31	29	38
Algeria	47	36	26	21	27	31	31	37	43
Egypt, Arab Republic	52	57	40	16	16	22	32	27	38
Libya	29	25	11	25	24	23	46	51	66
Morocco	58	56	45	17	20	25	25	24	31
Tunisia	42	39	28	26	30	33	33	31	39
<b>ALL AFRICA</b>	75	69	63	9	11	11	16	21	26

Note: Figures may not add up to 100 because of rounding.

## 11-5. Industrial structure of economically active population

	Percentage of population economically active											
	Agriculture				Industry				Services			
	Male		Female		Male		Female		Male		Female	
	1980	1999*	1980	1999*	1980	1999*	1980	1999*	1980	1999*	1980	1999*
SUB-SAHARAN AFRICA	62	58	74	68	14	14	5	5	24	29	22	27
excluding South Africa	65	61	77	72	12	12	4	4	23	28	19	24
excl S Africa & Nigeria	69	65	80	77	12	12	4	4	19	22	16	19
Angola	67	65	87	86	13	14	1	2	20	21	11	13
Benin	66	62	69	65	10	12	4	4	24	27	27	30
Botswana	6	20	3	11	41	30	8	20	53	50	89	69
Burkina Faso	92	91	93	94	3	2	2	2	5	7	5	5
Burundi	88	86	98	98	4	4	1	1	9	10	1	1
Cameroon	65	62	87	83	11	12	2	3	24	26	11	14
Cape Verde	34	30	39	33	38	38	18	16	28	33	42	51
Central African Republic	79	74	90	87	5	6	1	0	15	20	9	13
Chad	82	77	95	91	6	7	0	1	12	16	4	8
Comoros	70	68	93	90	12	13	3	5	17	20	4	5
Congo, Democratic Rep. of	62	58	84	81	18	20	4	5	20	23	12	14
Congo, Republic of	42	33	81	69	20	23	2	4	38	44	17	27
Côte d'Ivoire	60	54	75	72	10	12	5	6	30	34	20	22
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	71	66	91	91	7	7	3	2	23	27	6	8
Eritrea	79	77	88	85	7	8	2	2	14	16	11	13
Ethiopia	90	89	89	88	2	2	2	2	8	9	10	11
Gabon	59	46	74	59	18	21	6	10	24	33	21	32
Gambia, The	78	74	93	92	10	12	3	2	13	14	5	6
Ghana	66	64	57	55	12	12	14	14	22	25	29	31
Guinea	86	83	97	92	2	3	1	1	12	15	3	7
Guinea-Bissau	81	78	98	96	3	3	0	1	17	19	3	3
Kenya	23	19	25	20	24	23	9	9	53	58	65	71
Lesotho	26	29	64	59	52	41	5	5	22	30	31	36
Liberia	69	65	89	84	9	9	1	1	22	26	10	16
Madagascar	73	77	93	76	9	6	2	4	19	16	5	20
Malawi	78	50	96	73	10	25	1	7	12	25	3	20
Mali	86	83	92	89	2	2	1	2	12	15	7	9
Mauritania	65	49	79	63	11	16	2	4	24	35	19	34
Mauritius	29	15	30	13	19	39	40	43	47	46	31	45
Mozambique	72	70	97	96	14	15	1	1	14	15	2	3
Namibia	52	46	42	67	22	21	10	12	27	33	47	21
Niger	7	8	6	5	69	51	29	24	25	41	66	71
Nigeria	52	43	57	44	10	9	5	3	38	49	38	53
Rwanda	88	86	98	98	5	6	1	1	7	8	1	2
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	74	70	90	86	9	10	2	4	17	20	8	11
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	63	60	82	81	20	22	4	4	17	18	14	16
Somalia	69	66	90	87	12	13	2	2	19	21	8	11
South Africa	18	16	16	10	45	42	16	15	37	42	68	76
Sudan	66	64	88	84	9	10	4	5	24	26	8	11
Swaziland	40	..	38	26	29	..	14	27	30	..	48	48
Tanzania	80	78	92	91	7	8	2	2	13	14	7	7
Togo	70	66	67	65	12	12	7	7	19	22	26	29
Uganda	84	81	91	88	6	7	2	2	10	12	8	10
Zambia	69	68	85	83	13	13	3	3	19	19	13	14
Zimbabwe	29	23	50	38	31	32	8	10	40	46	42	52
NORTH AFRICA	40	25	40	34	24	27	14	24	35	48	42	42
Algeria	27	18	69	57	33	38	6	7	40	45	25	36
Egypt, Arab Republic	45	32	10	43	21	25	13	9	33	43	69	48
Libya	16	7	63	28	29	27	3	5	55	66	34	68
Morocco	48	4	72	3	23	33	14	46	29	63	14	51
Tunisia	33	22	53	20	30	32	32	40	37	44	16	38
ALL AFRICA	58	53	70	67	16	16	6	5	26	31	24	27

\*or most recent available data.

	Monthly earnings in current US dollars										
	1980	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
<b>SUB-SAHARAN AFRICA</b>											
excluding South Africa											
excl. S Africa & Nigeria											
Angola	..	..	..	..	..	..	..	..	..	..	..
Benin	..	..	..	..	..	..	..	..	..	..	..
Botswana	..	54	71	80	97	97	90	90	90	80	80
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	..	..	..	..	..
Cameroon	..	..	..	..	..	..	..	..	..	..	..
Cape Verde	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	..	..	..	..	..	..	..	..	..
Chad	..	..	..	..	..	..	..	..	..	..	..
Comoros	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	..	..	..	..	..	..	..	..	..	..
Côte d'Ivoire	..	..	..	..	..	..	..	..	..	..	..
Djibouti	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	..	..	..	..	..	..
Gabon	..	..	..	..	..	..	..	..	..	..	..
Gambia, The	..	..	..	..	..	..	..	..	..	..	..
Ghana	34	52	73	64	104	..	..	..	..	..	..
Guinea	..	..	..	..	..	..	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..
Kenya	59	53	48	47	45	..	..	..	..	..	39
Lesotho	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	..	..	..	..
Malawi	20	12	13	15	16	..	..	..	..	..	..
Mali	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..
Mauritius	..	..	..	..	..	..	..	..	..	..	..
Mozambique	..	..	..	..	..	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	..	..
Nigeria	..	..	..	..	..	..	..	..	..	..	..
Rwanda	..	..	..	..	..	..	..	..	..	..	..
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..
Senegal	..	..	..	..	..	..	..	..	..	..	..
Seychelles	139	304	305	348	366	434	442	456	513	..	..
Sierra Leone	..	..	..	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	..	..	..
Sudan	..	..	..	..	..	..	..	..	..	..	..
Swaziland	..	..	437	423	496	533	512	550	483	..	..
Tanzania	..	..	..	..	..	..	..	..	..	..	..
Togo	..	..	..	..	..	..	..	..	..	..	..
Uganda	..	..	..	..							

	Monthly earnings in current US dollars										
	1980	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
<b>SUB-SAHARAN AFRICA</b>											
excluding South Africa											
excl. S. Africa & Nigeria											
Angola	..	..	..	..	..	..	..	..	..	..	..
Benin	..	..	..	..	..	..	..	..	..	..	..
Botswana	..	181	171	206	199	242	250	200	210	186	173
Burkina Faso	..	..	..	..	..	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	..	..	..	..	..
Cameroon	..	..	..	..	..	..	..	..	..	..	..
Cape Verde	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	..	..	..	..	..	..	..	..	..
Chad	..	..	..	..	..	..	..	..	..	..	..
Comoros	..	..	..	..	..	..	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..	..	..	..	..
Congo, Republic of	..	..	..	..	..	..	..	..	..	..	..
Côte d'Ivoire	..	..	..	..	..	..	..	..	..	..	..
Djibouti	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..	..	..	..	..
Ethiopia	..	..	..	..	..	..	..	..	..	..	..
Gabon	..	..	..	..	..	..	..	..	..	..	..
Gambia, The	..	..	..	..	..	..	..	..	..	..	..
Ghana	57	106	136	138	93	..	..	..	..	..	..
Guinea	..	..	..	121	113	122	115	133	131	152	..
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..
Kenya	169	139	136	134	121	..	..	..	..	..	94
Lesotho	..	..	..	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..	..	..	..
Madagascar	..	..	..	..	..	..	..	..	..	..	..
Malawi	75	53	53	65	55	47	40	21	13	..	..
Mali	..	..	..	..	..	..	..	..	..	..	..
Mauritania	..	..	..	..	..	..	..	..	..	..	..
Mauritius	..	181	184	209	235	258	250	287	326	333	306
Mozambique	..	..	..	..	..	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..	..	..
Nigeria	..	..	..	..	..	..	..	..	..	..	..
Rwanda	..	..	..	..	..	..	..	..	..	..	..
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..
Senegal	..	..	..	..	..	..	..	..	..	..	..
Seychelles	212	346	350	410	427	459	474	479	528	..	..
Sierra Leone	..	..	..	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..	..	..	..
South Africa	475	535	548	642	685	770	749	..	..	..	..
Sudan	..	55	..	83	..	12	..	..	..	..	..
Swaziland	571	414	397	533	513	521	351	524	588	556	..
Tanzania	..	..	..	..	..	..	..	..	..	..	..
Togo	..	..	..	..							

[illegible]



### 11-9. Wages in construction

[illegible]

### 11-10. Wages in transport, storage and communications

[illegible]

[illegible]

## Technical notes

### Tables

**Table 11-1. Number and gender structure of the labor force.** This table (ILO data) provides the total number of persons in the labor force and the percentage that is female. Labor force refers to “economically active” persons, including the armed forces and the unemployed but excluding housewives and students. The “economically active” population comprises all persons of either gender who furnish the labor to produce economic goods and services, as defined by the SNA, during a specified period. The production of economic goods and services should include all production and processing of primary products, whether for the market, for barter, or for own consumption; the production of all other goods and services for the market; and, for households that produce such goods and services for the markets, the corresponding production for own consumption.

**Table 11-2. Children under 14 working in the labor force.** This table (ILO data) shows the percentage of children between the ages of 10 to 14 that participate in the labor force.

**Table 11-3. Unpaid family workers as share of active workers.** This table (ILO data) shows the percentage of family members—male and female—that are active workers but receive no compensation for their services.

**Table 11-4. Industrial structure of the labor force.** The industrial structure of the labor force can often

indicate the relative level of development of the economy. This table (ILO data) shows the distribution of the labor force among the various sectors of economic activities. The agriculture sector includes farming, animal husbandry, hunting, forestry, and fishing. The industry sector includes mining and quarrying, manufacturing, construction and public works, electricity, water, and gas. All other branches of activity are included in services.

**Table 11-5. Industrial structure of economically active population.** This is the percentage of the economically active population working in agriculture, industry, or services. Data are shown for males and females (ILO data).

**Table 11-6. Wages in agriculture.** Data are from ILO, *Yearbook of Labor Statistics* (1988, 1993, 1994, 1995, and 1998) and show the monthly earnings at the average wage converted to U.S. dollars at the *Atlas* exchange rates in the countries concerned. Earnings here are limited to wages and salaries of employees only unless otherwise specified. They include remuneration for time not worked, such as for annual vacation, other paid leave or holidays, bonuses and gratuities, and housing and family allowances paid by the employer to the employee. They exclude employers’ contributions to social security and pension schemes and the benefits received by employees under these schemes, as well as severance and termination pay.

It should be remembered that these earnings do not reflect workers’ disposable or net earnings since they

include gross wages before deductions, such as taxes or social security contributions.

International comparisons of wages in agriculture should be interpreted with caution because they entail wide coverage variations mainly as a result of the form of remuneration, the nature of the work, and the length of the working day.

For the following countries wages are paid entirely in cash: Botswana, Burundi, Egypt, Malawi, Mauritius, Seychelles, Swaziland, Tanzania, Tunisia, and Zambia.

For the following countries, wages shown are cash portion only, although the workers receive other payments-in-kind in addition: Ghana, Kenya, and Zimbabwe. Wages for these three countries include the value of food and lodging allowances.

Data for Burundi include family allowances. Data for Egypt are for establishments with 10 or more persons employed. Data for Ghana include forestry and fishing. Data for Kenya include the value of payments in kind. Data for Malawi include forestry and fishing. Data for Mauritius include sugar and tea factories. Data for Seychelles exclude hunting. Data for Swaziland include forestry and refer to skilled male workers only. Data for Zimbabwe include forestry and refer to all persons engaged.

Figures for Egypt were converted from weekly to monthly earnings using a rate of 4.3 weeks per month. Figures for Mauritius and Tunisia were converted from daily to monthly earnings using a rate of 22 days per month.

**Table 11-7. Wages in manufacturing.** Data are from ILO, *Yearbook of Labor Statistics* (1988, 1993, 1994, 1995, and 1998). Refer to the definitions in Table 11-6.

Data for Burundi include family allowances. Data for Egypt are for establishments with 10 or more persons employed. Data for the Gambia are for establishments with five or more persons employed. Data for Mauritius exclude sugar and tea factories. Data for Seychelles include electricity and water before 1992, and beginning in 1988 earnings are exempted from income tax. Data for Swaziland refer to skilled male workers only. Data for Zimbabwe include the value of payments-in-kind and refer to all persons engaged.

Figures for Egypt and Sierra Leone were converted from weekly to monthly earnings using a rate of 4.3 weeks per month. Figures for The Gambia were converted from daily to monthly earnings using a rate of 22 days per month.

**Table 11-8. Wages in mining and quarrying.** Data are from ILO, *Yearbook of Labor Statistics* (1988, 1993, 1994, 1995, and 1998). Refer to the definitions in Table 11-6.

Data for Burundi include family allowances. Data for Egypt are for establishments with 10 or more persons employed. Data for Kenya include the value of payments-in-kind. Data for Swaziland refer to skilled male workers only. Data for Seychelles include construction, and beginning in 1988 earnings are exempted from income tax. Data for South Africa exclude salt and iron works. Data for Swaziland refer to skilled male workers only. Data for Zimbabwe include the value of payments-in-kind and refer to all persons engaged.

Figures for Egypt and Sierra Leone were converted from weekly to monthly earnings using a rate of 4.3 weeks per month.

**Table 11-9. Wages in construction.** Data are from ILO, *Yearbook of Labor Statistics* (1988, 1993, 1994, 1995, and 1998). Refer to the definitions in Table 11-6.

Data for Burundi include family allowances. Data for Egypt are for establishments with 10 or more persons employed. Data for The Gambia are for establishments with five or more persons employed. Data for Kenya include the value of payments-in-kind. Data for Swaziland refer to skilled male workers only. Data for South Africa include private construction. Data for Swaziland refer to skilled male workers only. Data for Zimbabwe include the value of payments-in-kind and refer to all persons engaged.

Figures for Egypt and Sierra Leone were converted from weekly to monthly earnings using a rate of 4.3 weeks per month. Figures for The Gambia were converted from daily to monthly earnings using a rate of 22 days per month.

**Table 11-10. Wages in transport, storage, and communications.** Data are from ILO, *Yearbook of Labor Statistics* (1988, 1993, 1994, 1995, and 1998). Refer to the definitions in Table 11-6.

Data for Burundi include family allowances. Data for Egypt are for establishments with 10 or more persons employed. Data for The Gambia are for establishments with five or more persons employed. Data for Kenya include the value of payments-in-kind. Data for Swaziland refer to skilled male workers only. Data for Zimbabwe include the value of payments-in-kind and refer to all persons engaged.

Figures for Egypt and Sierra Leone were converted from weekly to monthly earnings using a rate of 4.3 weeks per month. Figures for The Gambia were converted from daily to monthly earnings using a rate of 22 days per month.

**Table 11-11. Wages in community, social, and personal services.** Data are from ILO *Yearbook of Labor Statistics* (1998). Refer to the definitions in Table 11-6. This sector comprises public administration and defense; sanitary and similar services; educational services; research and scientific institutes; medical, dental, and other health services; welfare institutions; business, professional, and labor associations; and other social and community services. Data for Egypt refer to wage earners. Figures for Egypt were converted from weekly to monthly earnings using a rate of 4.3 weeks per month.

### Methodology used for regional aggregations and period averages in chapter 11

Table	Aggregations <sup>a</sup>		
	(1)	(6)	(8)
11-1			
Columns 1-3	x		
Columns 4-6		x	
11-2		x	
11-3			x
11-4		x	
11-5		x	
11-6			x
11-7			x
11-8			x
11-9			x
11-10			x
11-11			x

*Note:* Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

## Aid Flows

Official development assistance (ODA) consists of concessional financial flows that aim to promote economic development and welfare. ODA disbursements from bilateral and multilateral sources became increasingly important to Africa in the second half of the 1980s. For many countries, the foreign savings made available through ODA flows are equivalent to a sizable share of GDP and to the bulk of their domestic investment. Thus, monitoring aid flows is of special importance because of their significance to the economic performance of the region.

The tables in this chapter show data on net ODA flows and their relative importance to key economic and demographic indicators in recipient countries, real growth in net ODA flows to Sub-Saharan Africa from major donors or donor groups, and the share of each donor's worldwide aid portfolio allocated to Sub-Saharan Africa.

These flows are concessional in character and contain a grant element of at least 25 percent (based on a standard 10 percent discount rate). Net ODA disbursements equal gross ODA disbursements less principal repayments (amortization) of previous ODA loans.

ODA includes both grants (inflows of unrequited transfers from official sources) for current and capi-

tal expenditures and disbursements of concessional loans. However, because of different sources and definitions of data, the ODA flows shown in this chapter will not necessarily equal those that could be calculated by adding net disbursements of official concessional long-term loans (Table 6-1 less Table 6-4) and net official transfers (Tables 5-6 and 5-9). For example, one of the reasons for differences is that the flows shown here include "off-shore" disbursements of grants, primarily for technical cooperation, which are generally excluded from transfers as recorded in the balance of payments (Tables 5-6 and 5-9). Other reasons include possible differences in the timing of the recording of disbursements and in the recording of multilateral ODA.

The data on net ODA disbursements are taken from the most recent electronic version of OECD, *Geographical Distribution of Financial Flows to Developing Countries*. The tables include only those flows for which the recipient is specified in creditor reports.

To determine growth rates (based on constant price series), import price deflators (from the World Bank) have been used to deflate the current price series, regardless of the type of donor, to indicate the volume of imports that aid can finance over time.



## 12-1. Net ODA from all donors, nominal

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	7,393	17,212	16,950	18,214	16,778	18,096	17,881	15,080	13,383	13,247	12,266	5,836	11,872	14,901
excluding South Africa	7,393	17,212	16,950	18,214	16,503	17,800	17,492	14,716	12,887	12,733	11,725	5,836	11,872	14,618
excl S Africa & Nigeria	7,358	16,954	16,668	17,952	16,213	17,610	17,280	14,526	12,666	12,530	11,573	5,792	11,747	14,409
Angola	53	269	279	346	291	450	418	473	355	335	388	51	138	342
Benin	90	268	266	270	288	256	280	288	221	211	211	72	158	238
Botswana	106	147	132	112	130	86	90	75	122	106	61	83	133	98
Burkina Faso	212	331	420	434	467	434	491	420	368	400	398	165	264	389
Burundi	117	264	258	311	217	312	288	111	56	77	74	96	188	182
Cameroon	265	446	517	716	545	731	444	412	499	426	434	187	261	479
Cape Verde	64	108	105	119	117	121	117	117	111	130	137	42	89	111
Central African Republic	111	250	174	179	173	168	169	170	91	120	117	80	163	148
Chad	35	314	264	239	225	213	236	296	228	168	188	79	214	220
Comoros	43	45	64	48	49	39	42	39	27	35	21	30	49	38
Congo, Democratic Rep. of	428	897	476	269	179	246	196	166	158	126	132	317	537	267
Congo, Republic of	92	218	134	114	123	362	125	429	270	66	142	82	101	181
Côte d'Ivoire	210	688	631	757	764	1,594	1,213	965	446	799	448	136	271	761
Djibouti	73	194	107	113	134	129	105	97	85	81	75	60	94	104
Equatorial Guinea	9	61	62	62	53	30	34	31	24	25	20	7	39	37
Eritrea	..	..	..	..	67	157	149	159	123	167	149	..	..	130
Ethiopia	212	1,016	1,095	1,178	1,090	1,071	883	818	579	660	643	208	738	846
Gabon	56	132	143	69	101	181	144	127	39	45	48	50	92	96
Gambia, The	55	99	101	111	85	70	47	37	39	39	33	38	88	62
Ghana	192	563	881	615	624	548	651	651	494	702	609	136	452	594
Guinea	90	293	379	448	408	359	417	299	381	359	238	68	226	329
Guinea-Bissau	59	129	115	107	94	175	119	181	124	96	52	49	92	112
Kenya	397	1,186	921	886	910	678	734	597	448	477	310	319	667	664
Lesotho	94	142	125	145	144	116	114	104	92	66	31	72	107	100
Liberia	98	114	158	120	123	64	124	173	76	73	94	77	78	105
Madagascar	230	398	456	363	363	289	301	357	834	495	359	148	295	389
Malawi	143	503	550	578	498	470	435	492	343	434	446	115	279	452
Mali	267	482	452	432	363	441	541	491	429	347	354	194	398	398
Mauritania	176	237	218	200	325	267	230	272	238	172	219	177	214	224
Mauritius	33	89	67	46	26	14	23	20	43	42	42	36	52	38
Mozambique	169	1,002	1,069	1,463	1,179	1,200	1,064	888	948	1,040	804	141	626	1,003
Namibia	..	121	182	143	154	137	192	188	165	180	178	0	24	157
Niger	170	396	373	365	344	377	274	255	333	292	187	165	333	295
Nigeria	36	258	262	262	290	190	212	190	200	204	152	44	126	209
Rwanda	155	291	362	351	356	716	702	467	230	350	373	131	222	396
São Tomé and Príncipe	4	55	51	56	47	50	84	47	33	28	28	7	22	46
Senegal	263	818	635	670	500	640	666	580	423	501	536	254	569	551
Seychelles	22	36	23	19	20	13	13	19	17	24	13	16	23	19
Sierra Leone	91	61	104	133	208	276	206	184	119	106	74	51	85	143
Somalia	433	494	186	654	893	537	189	88	81	80	115	283	462	307
South Africa	..	..	..	..	275	295	389	364	496	514	541	..	..	389
Sudan	623	822	874	541	454	412	242	220	139	209	243	540	936	393
Swaziland	50	54	53	57	55	58	58	33	28	35	29	33	34	42
Tanzania	679	1,173	1,080	1,339	950	966	877	877	945	1,000	990	513	797	963
Togo	91	260	200	223	97	125	192	157	125	128	71	81	162	145
Uganda	114	668	666	725	610	752	835	676	813	647	591	85	304	678
Zambia	318	480	883	1,036	872	718	2,034	610	610	349	624	204	411	770
Zimbabwe	164	340	393	792	498	560	492	371	336	280	245	114	259	399
NORTH AFRICA	2,710	7,161	6,976	5,351	3,687	3,852	2,899	3,286	2,900	3,036	2,610	2,684	2,572	3,845
Algeria	183	262	338	406	348	419	312	304	250	394	89	140	177	293
Egypt, Arab Republic	1,385	5,437	5,024	3,603	2,395	2,690	2,015	2,199	1,985	1,955	1,582	1,774	1,640	2,648
Libya	17	19	25	6	4	4	6	8	7	7	7	9	9	9
Morocco	899	1,049	1,231	946	712	631	495	650	464	530	679	537	494	684
Tunisia	232	393	357	390	227	106	71	124	194	150	253	223	252	212
ALL AFRICA	10,104	24,372	23,925	23,565	20,465	21,947	20,780	18,366	16,283	16,283	14,876	8,520	14,445	18,746

Note: In 1995, Zambia completed a 3 year Rights Arrangement Program permitting disbursement of 833.4 M SDR under a new SAF/ESAF arrangement.

## 12-2. Net ODA from DAC donors, nominal

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	4,351	10,815	10,264	10,769	10,158	10,326	9,908	9,086	8,123	8,176	7,624	3,429	7,516	8,887
excluding South Africa	4,351	10,815	10,264	10,769	9,975	10,112	9,590	8,774	7,708	7,755	7,238	3,429	7,516	8,673
excl S Africa & Nigeria	4,334	10,642	10,092	10,632	9,904	10,065	9,517	8,726	7,656	7,721	7,185	3,402	7,414	8,592
Angola	36	164	159	194	151	224	242	294	227	214	252	30	94	198
Benin	36	126	160	171	148	142	177	165	148	144	119	36	88	140
Botswana	83	121	104	93	80	57	54	68	56	73	41	63	102	69
Burkina Faso	151	239	270	268	255	265	252	269	218	227	232	112	182	231
Burundi	60	158	123	149	126	108	108	68	38	44	52	50	85	89
Cameroon	171	339	377	579	528	397	346	280	330	303	254	130	205	344
Cape Verde	39	76	79	80	81	82	77	77	68	85	89	28	61	75
Central African Republic	75	100	98	107	117	94	122	121	61	57	59	52	92	85
Chad	20	183	138	148	146	104	127	122	96	75	64	44	119	109
Comoros	13	31	31	23	29	18	22	22	15	19	13	11	28	20
Congo, Democratic Rep. of	317	633	343	163	99	97	118	106	105	80	87	221	336	169
Congo, Republic of	55	202	118	102	116	253	105	395	260	60	121	49	88	158
Côte d'Ivoire	152	531	435	527	708	820	727	449	233	490	366	105	191	481
Djibouti	32	88	83	92	94	94	80	71	62	62	55	35	61	72
Equatorial Guinea	1	44	35	36	28	17	22	23	18	18	15	4	22	23
Eritrea	..	..	..	..	48	96	95	128	81	98	80	..	..	83
Ethiopia	91	510	464	457	417	567	526	448	374	365	325	86	413	412
Gabon	49	127	140	65	97	161	136	113	30	37	34	42	80	86
Gambia, The	17	57	55	50	50	38	25	17	17	13	13	16	50	31
Ghana	107	265	449	333	312	332	359	349	292	375	356	75	187	324
Guinea	33	139	173	233	185	186	220	135	126	148	111	20	126	151
Guinea-Bissau	34	75	62	57	56	124	77	125	59	65	32	29	46	68
Kenya	277	735	608	520	426	401	459	346	301	276	254	244	477	403
Lesotho	64	85	74	69	74	45	62	49	45	33	26	44	63	52
Liberia	60	42	57	26	25	35	31	112	31	31	45	53	54	40
Madagascar	91	268	274	216	228	190	195	230	549	334	192	77	169	244
Malawi	76	216	209	208	159	251	221	264	174	204	228	63	134	206
Mali	131	312	280	239	221	243	285	298	257	236	237	104	248	238
Mauritania	54	106	110	116	196	128	126	99	97	64	89	45	116	103
Mauritius	25	76	62	35	27	8	11	-1	3	20	5	23	43	22
Mozambique	115	750	769	1,007	813	733	698	552	622	713	593	104	476	682
Namibia	..	39	95	98	123	113	148	136	123	129	117	0	16	105
Niger	105	255	264	262	254	261	194	163	181	145	120	97	209	192
Nigeria	17	173	172	138	71	47	73	47	52	34	53	27	103	81
Rwanda	97	183	233	187	201	487	339	252	179	209	181	83	127	230
São Tomé and Príncipe	1	31	24	26	28	26	62	29	21	18	19	2	9	27
Senegal	182	589	421	454	364	475	399	392	292	289	416	157	355	375
Seychelles	18	33	17	15	7	7	11	8	6	17	5	14	17	12
Sierra Leone	57	40	68	74	106	54	60	67	41	53	60	28	50	64
Somalia	139	270	116	497	688	438	119	40	46	42	76	93	299	213
South Africa	..	..	..	..	183	214	319	312	415	421	386	..	..	295
Sudan	272	420	369	188	164	174	131	118	86	150	159	211	499	181
Swaziland	33	36	31	27	33	27	38	21	16	17	15	22	21	23
Tanzania	524	844	764	816	650	570	587	605	569	769	613	383	617	646
Togo	52	155	124	135	77	63	118	97	76	66	47	46	93	87
Uganda	42	244	285	255	348	344	423	370	439	384	357	31	112	349
Zambia	234	409	583	699	511	434	439	354	367	257	340	156	326	417
Zimbabwe	112	296	359	536	310	280	348	281	222	216	219	86	226	285
<b>NORTH AFRICA</b>	1,660	4,221	5,342	4,405	2,640	3,077	2,382	2,631	1,976	1,951	1,774	1,427	2,192	2,767
Algeria	118	212	307	376	265	373	290	263	193	122	37	116	123	220
Egypt, Arab Republic	1,187	3,172	4,157	2,996	1,824	2,311	1,690	1,933	1,497	1,472	1,298	959	1,533	2,039
Libya	10	8	3	1	2	2	3	2	2	4	3	4	5	3
Morocco	188	595	611	734	422	318	347	391	215	251	333	189	354	384
Tunisia	158	214	264	298	127	73	52	42	70	102	102	160	178	121
<b>ALL AFRICA</b>	6,011	15,036	15,605	15,174	12,797	13,403	12,290	11,717	10,099	10,127	9,398	4,856	9,709	11,654

## 12-3. Net ODA from non-DAC bilateral donors, nominal

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	684	469	164	72	80	45	45	73	114	78	122	560	321	129
excluding South Africa	684	469	164	72	80	44	42	67	114	77	120	560	321	128
excl. S.Africa & Nigeria	684	460	164	68	69	44	43	68	114	78	117	560	321	126
Angola	1	2	2	1	3	0	0	0	0	0	0	0	1	1
Benin	2	0	-2	0	0	4	7	6	0	-1	-2	1	2	1
Botswana	0	-2	2	-2	7	1	0	-2	-3	-3	-1	2	0	0
Burkina Faso	0	11	10	2	1	1	8	6	3	6	9	2	5	6
Burundi	4	0	-3	-1	-2	-3	-3	-1	0	-1	0	4	7	-1
Cameroon	23	-3	-1	0	1	0	2	-2	-2	-2	-3	7	0	-1
Cape Verde	2	0	0	0	1	0	0	3	0	0	0	1	1	0
Central African Republic	2	2	3	3	3	2	3	5	0	0	0	1	3	2
Chad	0	2	2	0	3	1	1	3	5	5	7	3	0	3
Comoros	16	0	0	0	0	0	0	0	0	0	0	6	1	0
Congo, Democratic Rep. of	5	77	0	2	0	0	0	3	9	2	0	3	0	9
Congo, Republic of	15	0	0	0	0	0	0	0	0	0	0	10	0	0
Côte d'Ivoire	0	0	0	0	0	1	1	0	1	1	2	0	0	1
Djibouti	33	88	3	-1	11	12	3	5	5	2	1	17	14	13
Equatorial Guinea	0	0	6	0	0	0	0	0	0	0	0	0	0	1
Eritrea	..	..	..	..	1	12	5	3	17	32	19	..	..	12
Ethiopia	0	68	1	1	1	0	1	1	7	13	15	11	3	11
Gabon	0	0	0	0	0	0	-1	-2	-3	-1	0	3	3	-1
Gambia, The	7	0	2	-2	-2	-2	-1	-2	-2	1	1	5	-1	0
Ghana	25	1	9	-2	2	-4	-6	-1	13	3	4	7	1	2
Guinea	0	4	-1	-2	-4	-2	6	20	34	24	18	11	10	9
Guinea-Bissau	1	0	1	6	4	3	3	4	0	0	0	3	5	2
Kenya	0	5	3	-3	-3	-3	5	3	2	1	3	4	7	2
Lesotho	0	0	0	3	3	1	0	4	7	-1	-1	1	0	1
Liberia	9	2	0	1	1	1	1	2	1	0	0	3	0	1
Madagascar	48	-1	0	0	0	0	0	0	0	0	0	12	-2	0
Malawi	0	1	27	5	3	4	3	0	-2	0	4	0	1	5
Mali	33	15	5	4	-4	-11	-14	-8	-6	-5	0	17	16	-2
Mauritania	86	25	1	-7	-6	-10	-16	-11	-13	-7	5	83	26	-4
Mauritius	0	1	-1	-1	0	-1	-1	-1	10	-1	0	1	2	0
Mozambique	20	0	0	3	4	3	2	3	-1	-2	-2	3	5	1
Namibia	..	0	0	0	0	0	0	0	0	0	0	0	0	0
Niger	2	4	5	0	2	5	1	1	10	1	1	17	5	3
Nigeria	0	9	0	3	11	0	0	-1	0	-1	3	0	0	2
Rwanda	1	10	4	0	2	3	0	1	1	0	0	2	5	2
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Senegal	2	2	22	17	14	2	13	11	9	1	4	19	27	8
Seychelles	0	0	0	0	1	0	0	3	5	1	2	0	1	2
Sierra Leone	4	0	0	0	0	0	1	4	1	3	0	2	4	1
Somalia	128	82	0	11	14	0	0	0	1	0	0	81	7	10
South Africa	..	..	..	..	0	1	3	6	0	1	2	..	..	2
Sudan	158	8	16	20	3	3	4	1	0	1	26	183	148	16
Swaziland	0	0	0	4	3	2	3	3	2	4	0	0	1	2
Tanzania	27	3	-2	-2	0	6	5	-2	3	3	1	12	3	1
Togo	0	-1	-1	-2	0	0	0	-2	-1	1	3	1	3	0
Uganda	1	43	51	15	1	13	12	9	3	0	1	6	7	14
Zambia	23	0	0	0	0	0	0	0	0	-1	0	11	0	0
Zimbabwe	5	9	-1	-3	-1	-3	-3	-3	-3	-1	0	6	-2	-1
<b>NORTH AFRICA</b>	745	2,655	985	456	390	111	102	49	124	233	123	798	176	486
Algeria	49	8	2	4	1	2	-12	7	12	19	31	10	28	13
Egypt, Arab Republic	2	2,186	510	409	380	95	117	54	100	214	73	453	14	381
Libya	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morocco	645	361	470	53	18	29	20	26	32	30	29	300	111	97
Tunisia	49	100	3	-10	-9	-15	-22	-38	-20	-31	-11	35	23	-5
<b>ALL AFRICA</b>	1,429	3,123	1,149	528	469	156	147	122	238	310	245	1,358	497	616

## 12-4. Net ODA from multilateral donors, nominal

	Millions of U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	2,359	5,928	6,522	7,373	6,540	7,724	7,928	5,921	5,146	4,993	4,521	1,847	4,035	5,885
excluding South Africa	2,359	5,928	6,522	7,373	6,448	7,644	7,860	5,875	5,065	4,901	4,367	1,847	4,035	5,817
excl. S. Africa & Nigeria	2,340	5,852	6,432	7,253	6,241	7,501	7,721	5,731	4,916	4,731	4,271	1,830	4,012	5,691
Angola	16	103	119	152	137	226	176	179	128	121	136	20	42	142
Benin	53	143	109	98	140	111	96	118	73	68	93	34	68	97
Botswana	23	27	26	21	43	28	35	8	69	36	21	17	31	29
Burkina Faso	61	81	140	164	212	168	231	144	147	167	157	52	77	153
Burundi	54	106	138	163	94	207	182	44	18	33	22	42	95	94
Cameroon	71	109	142	137	16	334	97	134	171	125	183	51	56	136
Cape Verde	23	32	25	39	36	40	40	36	43	45	48	13	27	36
Central African Republic	34	148	73	70	54	72	43	45	30	63	58	27	68	61
Chad	15	128	124	91	76	109	109	171	126	88	116	33	95	108
Comoros	13	15	33	25	20	21	20	17	12	17	8	12	20	18
Congo, Democratic Rep. of	106	187	134	105	79	148	78	57	44	44	45	93	201	90
Congo, Republic of	22	16	16	12	7	109	20	35	10	6	20	23	13	24
Côte d'Ivoire	58	157	196	229	55	773	486	515	213	309	81	31	80	279
Djibouti	9	17	22	22	29	23	22	21	19	17	19	9	19	20
Equatorial Guinea	8	17	21	26	25	13	12	8	6	6	6	4	17	13
Eritrea	..	..	..	..	18	49	49	29	26	38	50	..	..	35
Ethiopia	120	438	630	720	671	504	357	369	198	282	303	111	322	423
Gabon	7	6	3	4	4	20	9	15	11	9	13	5	9	10
Gambia, The	31	42	44	62	37	34	23	22	23	25	19	17	39	32
Ghana	59	297	424	284	309	220	298	303	189	325	250	55	264	267
Guinea	57	150	206	217	228	174	191	143	222	187	109	36	90	169
Guinea-Bissau	24	53	51	45	34	48	39	52	66	31	20	18	41	42
Kenya	120	446	309	370	487	280	270	248	145	201	53	71	183	260
Lesotho	31	57	51	73	68	70	52	51	40	35	7	27	44	47
Liberia	29	70	101	93	97	28	91	58	44	41	49	21	24	64
Madagascar	91	131	182	147	135	99	106	127	284	162	166	59	128	146
Malawi	68	287	314	365	336	216	211	228	171	230	214	52	144	241
Mali	103	154	168	189	146	209	270	201	178	117	117	73	134	162
Mauritania	36	106	107	91	135	150	120	185	154	115	125	49	72	124
Mauritius	8	12	7	11	-1	7	14	22	30	23	37	12	7	16
Mozambique	34	252	300	454	363	464	364	333	328	330	213	34	145	321
Namibia	..	82	86	45	31	25	44	51	42	51	60	..	8	52
Niger	64	138	104	103	88	111	80	91	141	146	66	50	118	100
Nigeria	18	77	90	121	208	143	140	143	149	170	96	17	23	126
Rwanda	57	98	125	164	152	226	363	213	50	141	192	46	90	165
São Tomé and Príncipe	3	24	27	30	18	24	23	19	12	10	8	5	13	19
Senegal	79	227	192	200	122	164	254	177	122	211	115	78	187	168
Seychelles	3	3	6	4	12	6	2	8	6	6	6	2	5	6
Sierra Leone	30	21	36	59	102	222	146	113	76	51	13	21	31	78
Somalia	166	142	70	146	191	99	70	49	34	38	39	109	157	84
South Africa	..	..	..	..	92	80	67	46	81	92	153	..	..	93
Sudan	192	394	489	333	287	235	108	101	52	59	58	147	289	196
Swaziland	17	18	22	26	19	28	18	10	10	14	14	12	12	17
Tanzania	128	326	318	525	300	389	286	274	373	228	376	118	177	317
Togo	39	106	76	89	19	62	74	62	51	61	21	34	65	58
Uganda	70	381	329	455	261	394	400	297	371	263	232	49	186	315
Zambia	62	71	300	336	361	284	1,594	255	243	93	283	37	85	354
Zimbabwe	47	35	35	259	189	283	147	93	116	65	25	28	34	115
NORTH AFRICA	311	284	649	490	658	664	415	606	800	853	713	459	204	591
Algeria	17	22	29	26	82	44	34	35	45	253	21	15	26	59
Egypt, Arab Republic	196	80	357	198	192	285	208	212	389	268	211	363	93	228
Libya	7	12	22	4	2	2	3	6	5	3	4	6	4	6
Morocco	66	92	150	160	273	285	128	233	217	249	316	48	30	203
Tunisia	25	79	91	102	109	49	41	121	144	78	161	28	51	95
ALL AFRICA	2,669	6,213	7,171	7,863	7,198	8,388	8,343	6,527	5,946	5,846	5,234	2,306	4,239	6,476

Note: In 1995, Zambia completed a 3 year Rights Arrangement Program permitting disbursement of 833.4 M SDR under a new SAF/ESAF arrangement.

## 12-5. Net ODA from all donors, real

	Millions of U.S. dollars (constant 1995 prices)										Average annual percentage growth			
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	9,683	18,925	18,932	19,499	18,521	19,785	17,881	15,025	14,059	14,804	13,837	6.7	10.0	-6.7
excluding South Africa	9,683	18,925	18,932	19,499	18,217	19,463	17,492	14,662	13,538	14,230	13,226	6.7	10.0	-7.2
excl. S.Africa & Nigeria	9,636	18,641	18,640	19,218	17,897	19,255	17,280	14,472	13,327	14,002	13,055	6.9	9.7	-7.2
Angola	69	296	312	371	322	492	418	472	373	375	317	39.7	9.4	1.3
Benin	118	295	298	289	318	280	280	287	232	235	238	2.3	19.9	-7.3
Botswana	139	161	148	120	143	94	90	74	128	119	69	5.4	7.4	-12.6
Burkina Faso	278	364	469	464	515	474	491	418	387	447	449	4.0	4.5	-3.4
Burundi	154	290	288	333	240	341	288	111	59	86	84	9.5	4.7	-16.4
Cameroon	347	490	578	766	602	799	444	410	524	476	490	1.5	14.5	-7.6
Cape Verde	84	119	117	127	130	132	117	116	117	145	154	13.4	1.8	-2.0
Central African Republic	145	275	195	192	191	184	169	170	96	134	132	6.5	7.8	-13.4
Chad	46	345	295	256	248	233	236	295	239	187	212	-4.4	11.8	-8.9
Comoros	57	50	71	52	54	42	42	39	29	39	24	2.9	-1.8	-11.7
Congo, Democratic Rep. of	560	986	532	288	197	269	196	166	166	140	149	0.8	15.9	-17.1
Congo, Republic of	121	240	150	122	136	396	125	428	284	73	160	2.6	-2.1	-8.6
Côte d'Ivoire	275	756	705	810	844	1,743	1,213	961	469	893	506	-0.6	27.6	-8.5
Djibouti	96	213	120	120	148	141	105	97	90	90	85	4.8	-7.4	-9.1
Equatorial Guinea	12	67	70	66	58	33	34	31	26	28	23	17.9	30.0	-15.0
Eritrea	..	..	..	..	74	172	149	159	130	187	168	..	..	0.4
Ethiopia	277	1,117	1,223	1,261	1,203	1,171	883	815	608	738	725	5.5	9.0	-8.2
Gabon	73	146	160	74	112	198	144	126	41	50	54	2.3	9.1	-13.1
Gambia, The	71	109	113	118	94	76	47	37	41	43	38	15.3	10.0	-13.3
Ghana	251	619	985	658	689	599	651	649	519	785	687	5.4	25.5	-5.9
Guinea	117	322	423	480	451	393	417	298	401	402	268	16.8	21.1	-9.7
Guinea-Bissau	78	141	128	115	104	191	119	180	131	107	59	16.5	13.6	-6.8
Kenya	519	1,304	1,028	948	1,004	741	734	594	470	533	350	9.8	17.2	-14.0
Lesotho	124	156	140	156	159	127	114	104	96	74	35	12.1	2.3	-13.9
Liberia	128	126	176	128	135	70	124	172	80	81	106	18.3	-17.1	-4.8
Madagascar	301	438	509	388	401	316	301	355	876	553	405	8.4	12.8	-5.2
Malawi	188	553	615	618	549	514	435	490	361	485	503	6.5	21.6	-4.8
Mali	350	530	505	462	401	482	541	489	451	388	400	4.5	1.9	-10.1
Mauritania	230	261	244	214	359	292	230	271	250	192	247	0.4	-0.3	-5.2
Mauritius	43	97	75	49	29	16	23	20	45	46	47	1.1	11.7	-10.5
Mozambique	222	1,102	1,194	1,566	1,302	1,312	1,064	885	996	1,162	907	40.7	26.0	-5.2
Namibia	..	133	203	153	170	150	192	187	173	201	200	..	55.3	3.0
Niger	223	436	417	391	380	413	274	254	350	326	211	-1.0	7.6	-10.6
Nigeria	47	284	292	280	320	208	212	189	210	228	171	-11.8	50.8	-8.8
Rwanda	204	320	404	376	393	783	702	465	241	391	421	4.8	3.8	-1.5
São Tomé and Príncipe	5	60	57	60	52	55	84	47	35	32	31	14.0	24.9	-7.2
Senegal	344	900	709	718	552	700	666	578	444	560	604	6.6	12.7	-10.3
Seychelles	28	40	26	21	22	14	13	19	18	27	15	3.2	-1.5	-4.5
Sierra Leone	119	67	116	143	229	301	206	183	125	119	83	14.6	6.6	0.0
Somalia	568	543	208	700	986	587	189	88	85	90	129	10.4	0.8	-19.2
South Africa	..	..	..	..	304	323	389	363	521	574	611	..	..	4.4
Sudan	816	904	976	580	501	451	242	219	146	234	274	10.4	-2.7	-15.6
Swaziland	66	59	60	60	60	63	58	33	30	39	33	2.0	0.6	-10.0
Tanzania	889	1,290	1,206	1,433	1,049	1,056	877	874	992	1,118	1,117	6.9	10.7	-4.9
Togo	119	286	223	238	107	137	192	156	131	144	81	4.1	9.2	-14.0
Uganda	149	735	743	776	673	822	835	674	854	723	666	19.6	20.2	-0.3
Zambia	417	528	987	1,109	962	785	2,034	607	641	390	703	11.0	5.5	-4.1
Zimbabwe	215	373	439	848	550	613	492	370	352	313	276	66.6	-3.9	-8.2
NORTH AFRICA	3,557	7,873	7,791	5,728	4,070	4,211	2,899	3,274	3,046	3,393	2,944	-5.4	-5.0	-12.0
Algeria	240	288	378	435	385	459	312	303	262	440	101	-7.0	0.2	-6.3
Egypt, Arab Republic	1,813	5,979	5,612	3,857	2,644	2,941	2,015	2,191	2,085	2,184	1,785	-7.8	-7.2	-13.9
Libya	22	21	28	6	4	5	6	8	7	8	8	-8.4	12.8	-9.7
Morocco	1,177	1,153	1,375	1,013	786	690	495	648	488	592	766	6.5	-4.3	-9.4
Tunisia	304	432	399	418	251	116	71	124	203	168	285	-5.2	9.1	-11.0
ALL AFRICA	13,240	26,798	26,723	25,227	22,591	23,997	20,780	18,299	17,105	18,197	16,781	2.4	6.9	-7.8

Note: In 1995, Zambia completed a 3 year Rights Arrangement Program permitting disbursement of 833.4 M SDR under a new SAF/ESAF arrangement.

## 12-6. Net ODA from DAC donors, real

	Millions of U.S. dollars (constant 1995 prices)											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	5,699	11,891	11,464	11,529	11,213	11,291	9,908	9,052	8,534	9,137	8,600	7.2	10.7	-7.3
excluding South Africa	5,699	11,891	11,464	11,529	11,011	11,056	9,590	8,741	8,097	8,667	8,164	7.2	10.7	-7.9
excl. S Africa & Nigeria	5,696	11,701	11,273	11,381	10,932	11,005	9,517	8,694	8,043	8,628	8,105	7.6	10.1	-7.7
Angola	47	181	177	208	167	245	242	293	238	240	284	41.1	10.1	0.3
Benin	47	138	179	183	163	155	177	164	155	161	135	1.2	22.9	-5.6
Botswana	109	133	116	100	88	62	54	68	59	82	46	3.9	12.9	-15.7
Burkina Faso	198	262	302	287	281	289	252	268	229	253	262	6.0	8.4	-6.6
Burundi	78	173	137	159	139	119	108	68	40	50	59	9.0	-0.2	-16.4
Cameroon	224	373	421	620	583	434	346	279	347	339	287	3.7	11.4	-9.8
Cape Verde	51	83	88	86	90	89	77	77	71	95	100	25.2	5.1	-2.8
Central African Republic	98	110	110	114	129	103	122	121	64	63	67	8.1	6.8	-16.8
Chad	26	202	154	159	161	113	127	121	101	83	73	-4.0	11.9	-21.3
Comoros	18	34	34	25	32	19	22	22	16	21	15	-0.6	11.2	-30.4
Congo, Democratic Rep. of	415	696	383	174	109	106	118	106	110	89	98	-0.7	12.9	-19.5
Congo, Republic of	73	222	131	109	128	277	105	393	273	67	137	2.3	3.6	-11.7
Côte d'Ivoire	199	583	486	565	782	897	727	448	245	547	412	2.1	16.2	-15.6
Djibouti	42	97	93	98	104	103	80	71	65	70	62	-1.0	3.2	-12.4
Equatorial Guinea	2	48	39	38	31	18	22	23	19	20	16	118.6	36.9	-28.8
Eritrea	..	..	..	..	53	105	95	127	85	109	91	..	..	-2.7
Ethiopia	120	560	519	489	460	620	526	447	393	408	367	0.1	8.0	-8.2
Gabon	64	139	157	69	108	176	136	113	32	42	39	3.6	10.7	-23.0
Gambia, The	22	63	61	54	55	42	25	17	18	15	15	16.8	8.4	-19.3
Ghana	140	291	501	356	345	363	359	348	307	419	401	1.6	25.1	-3.3
Guinea	43	153	194	250	204	204	220	134	132	166	125	19.4	30.2	-14.3
Guinea-Bissau	45	83	70	61	62	135	77	124	61	72	36	37.9	14.7	-7.0
Kenya	363	808	680	556	471	438	459	344	316	308	286	8.6	12.9	-12.8
Lesotho	83	94	83	74	81	50	62	49	47	36	29	13.9	0.3	-15.3
Liberia	79	46	63	28	27	39	31	112	33	35	50	24.0	-19.9	-7.0
Madagascar	119	295	306	231	251	208	195	229	577	373	217	11.9	11.4	-11.9
Malawi	99	238	233	223	175	275	221	263	183	228	257	-0.7	30.0	-1.3
Mali	172	344	312	256	244	266	285	296	270	264	268	5.8	0.5	-12.0
Mauritania	70	117	123	125	216	140	126	98	101	71	100	11.1	9.3	-15.8
Mauritius	33	83	69	37	30	8	11	-1	3	22	6	4.0	13.6	-27.1
Mozambique	150	825	859	1,078	897	801	698	550	653	796	669	42.9	26.6	-5.7
Namibia	..	43	106	105	136	123	148	136	129	144	132	..	73.9	4.6
Niger	137	280	295	280	280	286	194	163	190	162	136	-0.9	7.4	-15.7
Nigeria	23	190	192	147	78	52	73	47	55	38	60	-17.2	74.4	-17.2
Rwanda	127	201	260	201	222	533	339	251	188	234	204	4.2	3.1	-2.7
São Tomé and Príncipe	2	34	27	28	31	29	62	29	22	20	22	33.3	32.2	-5.3
Senegal	238	648	471	486	402	519	399	391	307	323	470	8.5	13.5	-13.1
Seychelles	24	36	19	17	8	8	11	8	7	19	5	1.5	0.2	-18.6
Sierra Leone	74	44	76	79	117	59	60	67	44	59	68	16.2	18.1	-0.7
Somalia	182	296	130	532	759	478	119	39	48	47	86	28.9	6.5	-22.7
South Africa	..	..	..	..	202	234	319	311	436	470	436	..	..	1.0
Sudan	356	462	412	201	181	191	131	118	90	168	179	22.9	-1.7	-16.5
Swaziland	43	40	35	29	37	30	38	21	17	19	17	1.5	-7.5	-4.2
Tanzania	686	928	853	874	718	624	587	603	598	860	692	5.3	11.2	-5.0
Togo	68	170	139	144	85	69	118	97	80	74	53	2.8	14.2	-19.5
Uganda	55	269	319	273	384	377	423	368	461	429	403	25.8	30.5	6.1
Zambia	307	450	651	748	564	475	439	353	386	287	384	8.7	9.4	-6.2
Zimbabwe	147	325	401	574	342	306	348	280	234	242	247	61.0	-3.5	-8.4
<b>NORTH AFRICA</b>	2,174	4,641	5,966	4,716	2,914	3,364	2,382	2,622	2,076	2,180	2,001	8.4	-4.6	-20.0
Algeria	154	255	343	402	293	408	290	262	202	136	42	-5.3	-7.2	-8.6
Egypt, Arab Republic	1,555	3,487	4,643	3,207	2,013	2,526	1,690	1,926	1,572	1,645	1,464	18.4	-7.5	-16.5
Libya	13	8	3	2	2	2	3	2	2	4	4	-10.3	4.0	-6.6
Morocco	246	655	682	785	466	348	347	390	226	280	376	1.5	5.4	-19.2
Tunisia	207	236	295	319	140	79	52	41	73	114	115	-4.3	6.1	-12.9
<b>ALL AFRICA</b>	7,873	16,533	17,431	16,244	14,127	14,654	12,290	11,674	10,609	11,317	10,601	7.5	6.7	-9.0

## 12-7. Net ODA from non-DAC bilateral donors, real

	Millions of U.S. dollars (constant 1995 prices)											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	895	515	183	77	88	49	45	73	120	87	137	2.0	-27.7	-4.6
excluding South Africa	895	515	183	77	88	48	42	67	120	86	135	2.0	-27.7	-4.3
excl. S Africa & Nigeria	895	505	183	73	76	48	43	68	120	87	132	2.0	-27.8	-4.0
Angola	1	2	2	1	4	0	0	0	0	0	0	..	17.6	-17.3
Benin	2	0	-3	0	0	4	7	6	0	-2	-2	1.9	-3.4	-17.5
Botswana	0	-2	2	-2	8	1	0	-2	-4	-3	-1	..	..	..
Burkina Faso	0	12	12	3	1	1	8	6	4	7	11	8.9	-52.2	15.5
Burundi	5	0	-3	-2	-2	-3	-3	-1	0	-1	0	28.0	-21.4	..
Cameroon	30	-3	-2	0	1	0	2	-2	-2	-2	-4	4.6	-72.8	..
Cape Verde	3	0	0	0	1	0	0	3	0	0	0	-3.2	-21.2	0.4
Central African Republic	3	3	3	3	3	2	3	5	0	0	0	-17.0	106.7	-41.7
Chad	0	2	3	0	3	1	1	3	5	5	8	-27.6	..	13.7
Comoros	22	0	0	0	0	0	0	0	0	0	0	6.9	-62.7	-4.1
Congo, Democratic Rep. of	7	85	0	2	0	0	0	3	9	3	0	-63.9	..	-21.9
Congo, Republic of	20	0	0	0	0	0	0	0	0	0	0	11.0	..	-0.2
Côte d'Ivoire	0	0	0	0	0	1	1	0	1	1	2	..	..	13.1
Djibouti	43	97	3	-1	12	13	3	5	5	2	1	-13.1	-47.8	-8.9
Equatorial Guinea	0	0	7	0	0	0	0	0	0	0	0	..	43.8	-25.2
Eritrea	..	..	..	..	1	13	5	3	18	35	21	..	..	37.8
Ethiopia	0	75	1	1	2	1	1	1	8	15	17	6.8	..	13.1
Gabon	0	0	0	0	0	0	-1	-2	-3	-2	0	-21.6	..	..
Gambia, The	9	1	2	-2	-2	-2	-1	-2	-2	1	1	-2.9	..	..
Ghana	33	1	10	-2	3	-4	-6	-1	14	3	4	113.9	..	4.7
Guinea	0	5	-1	-2	-4	-2	6	20	36	27	20	10.4	7.8	1.0
Guinea-Bissau	2	0	1	6	4	3	3	4	0	0	0	-6.7	4.6	-35.6
Kenya	0	5	4	-4	-4	-3	5	3	2	1	3	166.1	-47.8	-5.8
Lesotho	0	0	0	4	3	1	0	4	7	-1	-1	81.9	..	..
Liberia	12	3	0	1	1	1	1	2	1	0	0	-69.9	64.9	-21.2
Madagascar	63	-1	0	0	0	0	0	0	0	0	0	54.7	..	1.1
Malawi	0	1	30	5	3	4	3	0	-2	0	5	..	215.7	-0.9
Mali	43	17	5	4	-5	-12	-14	-8	-6	-6	0	3.5	-33.1	..
Mauritania	113	27	1	-8	-6	-11	-16	-11	-13	-8	6	-5.9	-33.2	..
Mauritius	0	1	-2	-1	0	-1	-1	-1	11	-1	0	..	1.7	..
Mozambique	27	0	0	3	4	3	2	3	-2	-3	-2	51.0	-8.2	24.6
Namibia	..	0	0	0	0	0	0	0	0	0	0	..	..	-25.1
Niger	2	4	5	0	2	6	1	1	11	1	1	16.3	-8.5	-17.6
Nigeria	0	10	0	4	12	0	0	-1	0	-1	3	..	41.4	-7.9
Rwanda	2	11	4	0	3	4	0	1	1	0	0	-3.9	-9.3	-29.6
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	0	0	..	..	-8.5
Senegal	3	3	25	18	16	2	13	11	10	1	5	18.1	-27.0	-10.6
Seychelles	0	0	0	0	1	0	0	3	5	1	2	..	-39.0	53.0
Sierra Leone	6	0	0	0	0	0	1	4	1	3	0	3.5	-23.6	8.2
Somalia	167	90	0	11	15	0	0	0	1	0	0	-12.3	-44.0	-29.8
South Africa	..	..	..	..	0	1	3	6	0	1	2	..	..	3.6
Sudan	207	9	18	22	3	3	4	1	0	1	30	0.7	-27.5	-7.0
Swaziland	0	0	0	4	3	2	3	3	2	5	0	..	..	-5.9
Tanzania	36	4	-3	-2	0	7	5	-2	3	3	1	45.4	-48.3	-1.2
Togo	0	-1	-1	-2	0	0	0	-2	-1	1	4	-7.2	2.2	..
Uganda	2	47	57	16	1	14	12	9	3	0	1	-19.5	205.0	-23.8
Zambia	29	0	0	0	0	0	0	0	0	-1	0	19.3	..	-5.6
Zimbabwe	7	10	-1	-3	-1	-3	-3	-3	-3	-1	0	15.6	..	..
<b>NORTH AFRICA</b>	976	2,919	1,100	488	430	121	102	49	130	260	139	-28.5	-23.8	-13.4
Algeria	64	9	2	5	1	3	-12	7	12	21	35	-47.3	222.2	20.2
Egypt, Arab Republic	3	2,403	570	438	419	103	117	54	105	239	83	-61.8	..	-24.9
Libya	0	0	0	0	0	0	0	0	0	0	0	..	..	13.6
Morocco	845	397	525	56	19	31	20	26	33	34	33	16.3	-38.7	-23.3
Tunisia	64	110	3	-11	-10	-16	-22	-38	-21	-34	-12	-9.3	14.7	..
<b>ALL AFRICA</b>	1,871	3,434	1,283	565	518	170	147	122	250	347	276	-14.2	-27.6	-11.4

## 12-8. Net ODA from multilateral donors, real

	Millions of U.S. dollars (constant 1995 prices)											Average annual percentage growth		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	3,089	6,518	7,285	7,893	7,220	8,446	7,928	5,899	5,405	5,580	5,100	7.0	12.4	-6.0
excluding South Africa	3,089	6,518	7,285	7,893	7,118	8,358	7,860	5,853	5,321	5,477	4,927	7.0	12.4	-6.4
excl. S Africa & Nigeria	3,065	6,434	7,184	7,764	6,889	8,202	7,721	5,710	5,165	5,287	4,818	7.1	12.4	-6.5
Angola	21	114	133	162	151	247	176	178	134	135	153	42.6	7.3	2.0
Benin	69	157	122	105	154	121	96	117	77	76	105	3.2	16.2	-9.5
Botswana	30	30	29	22	47	31	35	8	73	40	23	6.1	0.1	-6.0
Burkina Faso	80	89	156	175	234	183	231	143	154	187	177	0.6	-0.4	1.6
Burundi	71	117	154	175	104	226	182	44	19	37	25	9.2	12.8	-17.5
Cameroon	93	120	158	147	18	365	97	133	179	139	207	-4.0	31.2	-1.1
Cape Verde	31	35	28	42	39	43	40	36	45	50	54	2.8	-3.3	-0.1
Central African Republic	44	163	82	75	59	79	43	44	31	71	66	3.9	9.1	-12.0
Chad	20	141	139	97	84	119	109	170	133	99	131	-2.6	11.9	-3.9
Comoros	18	16	37	27	22	23	20	17	13	19	9	23.5	-12.2	-7.3
Congo, Democratic Rep. of	138	206	149	112	87	162	78	57	47	49	51	5.2	20.8	-14.4
Congo, Republic of	28	18	18	13	8	119	20	35	10	7	23	-2.2	-16.9	-2.6
Côte d'Ivoire	77	173	219	245	61	845	486	513	224	345	91	-11.4	84.0	-2.6
Djibouti	11	19	24	23	32	25	22	21	20	19	21	37.3	-14.5	-2.3
Equatorial Guinea	11	19	23	28	28	15	12	7	7	7	6	28.5	22.5	-13.5
Eritrea	..	..	..	..	20	54	49	29	27	43	56	..	..	0.2
Ethiopia	158	482	703	771	741	551	357	368	208	315	342	9.0	11.1	-8.9
Gabon	9	6	3	4	4	21	9	15	12	10	15	3.7	7.2	10.8
Gambia, The	40	46	49	67	41	37	23	22	24	28	21	13.9	14.3	-9.6
Ghana	78	326	473	304	341	241	298	302	199	363	282	12.4	23.8	-9.9
Guinea	75	165	231	232	251	191	191	143	233	209	123	29.0	18.3	-7.9
Guinea-Bissau	31	59	57	48	37	53	39	52	69	35	23	19.4	13.1	-6.6
Kenya	157	490	345	396	537	306	270	247	153	224	60	11.5	36.1	-17.0
Lesotho	40	63	57	78	75	77	52	51	42	39	7	9.0	7.9	-13.7
Liberia	38	77	113	100	107	30	91	58	46	46	56	7.6	-9.9	-3.2
Madagascar	120	144	203	158	149	108	106	126	299	180	187	3.6	11.2	-2.7
Malawi	89	315	351	390	371	236	211	227	179	257	242	16.4	16.3	-7.8
Mali	135	169	188	202	161	228	270	201	187	130	132	2.2	8.7	-7.6
Mauritania	47	117	119	98	149	163	120	184	162	129	141	1.8	8.7	0.8
Mauritius	10	14	8	12	-1	8	14	22	32	25	41	-6.8	16.3	8.1
Mozambique	45	277	335	486	400	508	364	332	344	368	241	37.7	25.1	-3.8
Namibia	..	90	97	48	34	27	44	51	44	57	68	..	33.4	1.1
Niger	83	152	117	111	97	121	80	90	148	163	75	-4.9	9.4	-5.3
Nigeria	24	84	101	129	229	156	140	143	156	190	109	-1.0	8.3	3.1
Rwanda	75	107	140	175	168	247	363	213	53	157	217	6.7	5.7	0.2
São Tomé and Príncipe	4	26	30	33	20	26	23	19	13	11	9	11.6	20.8	-9.9
Senegal	104	249	214	214	135	179	254	176	128	236	130	1.8	24.4	-6.0
Seychelles	4	4	7	4	13	6	2	8	6	7	7	24.9	0.5	3.7
Sierra Leone	39	23	40	63	113	242	146	112	80	56	15	10.1	-1.8	-1.2
Somalia	218	156	78	156	211	109	70	48	36	43	44	12.2	-5.1	-14.2
South Africa	..	..	..	..	102	88	67	46	85	103	173	..	..	9.4
Sudan	252	434	546	357	317	257	108	100	55	65	66	8.4	4.2	-21.3
Swaziland	23	20	24	28	21	31	18	10	11	15	16	3.7	9.0	-6.5
Tanzania	167	358	356	562	331	426	286	273	392	255	424	11.6	11.0	-5.1
Togo	51	116	85	96	21	67	74	62	53	68	24	6.1	5.7	-12.0
Uganda	92	419	368	487	288	431	400	296	390	294	262	24.3	13.3	-7.0
Zambia	81	78	335	360	399	311	1,594	254	255	104	320	18.8	-7.5	1.2
Zimbabwe	62	38	39	277	209	309	147	93	121	72	29	127.5	-4.8	-6.0
NORTH AFRICA	407	313	725	525	726	726	415	604	841	953	804	-4.4	2.4	4.6
Algeria	22	24	33	28	91	48	34	35	48	283	24	-11.3	19.8	6.5
Egypt, Arab Republic	256	88	399	212	212	311	208	211	408	300	238	-3.2	-5.3	1.9
Libya	9	13	25	4	2	2	3	6	5	4	4	-4.0	22.2	-11.3
Morocco	86	102	167	171	301	311	128	232	228	278	357	6.7	4.0	9.0
Tunisia	33	86	101	109	121	53	41	120	151	88	182	-4.5	14.6	2.9
ALL AFRICA	3,496	6,831	8,009	8,418	7,946	9,172	8,343	6,503	6,246	6,533	5,904	4.6	11.7	-5.0

Note: In 1995, Zambia completed a 3 year Rights Arrangement Program permitting disbursement of 833.4 M SDR under a new SAF/ESAF arrangement.



## 12-9. Net ODA from all donors as share of recipient GDP

	Percentage of GDP											Annual Average		
	1980	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	3.8	8.4	9.3	9.2	10.2	5.5	6.3	5.6	4.5	3.9	4.1	3.9	7.3	5.8
excluding South Africa	3.8	8.4	9.3	9.2	10.2	10.0	12.1	10.5	7.8	6.6	6.8	3.9	7.3	8.3
excl S Africa & Nigeria	6.3	9.5	10.9	10.7	12.4	11.4	14.4	12.5	9.5	8.0	8.1	5.7	8.5	9.9
Angola		1.8	2.6	2.3	6.0	5.5	11.1	8.3	6.3	4.6	5.2		1.8	5.4
Benin	6.4	17.9	14.5	14.2	16.6	13.7	17.1	14.0	13.1	10.8	9.3	7.0	11.1	12.3
Botswana	9.4	5.2	3.9	3.4	2.7	3.1	1.9	1.8	1.5	2.4	2.2	10.1	6.6	2.2
Burkina Faso	12.4	11.4	12.0	15.1	21.7	21.8	24.7	22.5	16.9	16.1	16.1	12.4	13.1	17.1
Burundi	12.8	18.6	23.3	22.1	28.7	23.1	33.7	28.8	12.3	5.9	8.7	11.9	16.6	18.4
Cameroon	3.9	4.1	4.0	4.2	6.3	4.6	9.3	5.6	4.5	5.5	4.9	3.6	2.4	5.0
Cape Verde	60.3	29.9	31.8	29.9	30.2	32.3	29.5	23.9	23.2	21.9	24.1	47.2	42.2	25.3
Central African Republic	13.9	14.9	16.8	12.4	12.5	13.3	19.7	15.0	15.9	9.1	11.5	12.8	14.0	12.6
Chad	3.4	17.8	18.0	14.1	12.7	15.4	18.1	16.4	18.4	15.1	9.9	8.6	17.2	14.0
Comoros	35.1	22.5	18.1	25.8	18.1	18.5	20.9	19.5	18.5	14.1	16.4	36.9	29.0	16.6
Congo, Democratic Rep. of	3.0	8.1	9.6	5.2	3.3	2.0	4.2	3.5	2.8	2.7	2.3	2.6	6.5	4.0
Congo, Republic of	5.4	3.8	7.8	4.9	3.9	6.4	20.5	5.0	16.9	11.6	3.4	6.4	4.6	7.9
Côte d'Ivoire	2.1	4.1	6.4	6.0	6.8	7.3	20.8	12.1	8.9	4.2	7.0	1.9	2.8	7.7
Djibouti	..	18.4	46.4	23.6	24.0	28.5	26.4	21.1	19.6	17.0	15.7	..	23.5	21.9
Equatorial Guinea	..	50.8	46.0	47.8	40.1	34.8	23.7	20.5	11.9	4.9	5.5	1.1	35.1	21.6
Eritrea	..	..	..	..	..	16.3	30.8	26.0	25.2	18.8	24.6	..	..	22.0
Ethiopia	..	9.4	14.8	20.6	21.2	17.4	21.9	15.3	13.6	9.1	10.1	5.1	10.0	14.4
Gabon	1.3	3.2	2.2	2.7	1.2	2.3	4.3	2.9	2.2	0.7	1.0	1.6	2.5	1.9
Gambia, The	22.6	35.2	31.3	31.8	31.8	23.2	19.2	12.2	9.5	9.5	9.3	19.6	38.4	17.4
Ghana	4.3	13.7	9.6	13.4	9.6	10.5	10.1	10.1	9.4	7.2	9.4	3.6	8.7	9.2
Guinea	..	15.0	10.4	12.6	13.7	12.5	10.5	11.3	7.7	10.1	10.0	..	11.2	9.7
Guinea-Bissau	53.7	54.9	52.7	44.6	47.5	39.9	74.2	46.7	66.8	46.3	46.6	37.3	55.4	46.1
Kenya	5.5	12.8	13.9	11.4	11.1	18.3	9.5	8.1	6.4	4.2	4.2	5.5	8.6	8.3
Lesotho	21.9	26.1	23.0	18.6	17.7	17.7	13.9	12.2	11.0	9.0	7.4	21.0	26.4	12.4
Liberia	8.8	5.0	..	..	..	..	..	..	..	..	..	7.4	6.9	..
Madagascar	5.7	14.0	12.9	17.0	12.1	10.8	9.7	9.5	8.9	23.5	13.2	4.6	11.0	11.7
Malawi	11.6	27.3	26.8	25.0	32.1	24.0	39.8	30.4	20.2	13.5	25.0	11.1	20.9	25.0
Mali	15.0	22.4	19.9	18.7	15.2	13.6	25.0	22.0	18.8	17.3	13.4	15.0	22.8	16.3
Mauritania	24.8	25.8	23.3	19.3	16.8	34.4	26.0	21.6	24.4	21.7	17.1	27.8	25.1	21.5
Mauritius	2.9	2.8	3.4	2.4	1.4	0.8	0.4	0.6	0.5	1.1	1.0	3.6	3.0	1.2
Mozambique	4.8	35.4	40.7	43.7	78.9	59.5	55.1	46.1	31.3	27.9	26.8	5.8	24.5	40.0
Namibia	..	2.5	4.8	6.8	4.7	5.4	4.2	5.5	5.4	4.5	5.3	0.0	1.1	4.9
Niger	6.8	14.0	16.0	16.0	15.6	21.4	24.1	14.6	12.8	18.0	14.0	9.9	16.9	14.9
Nigeria	0.1	1.5	0.9	1.0	0.8	1.4	0.8	0.8	0.5	0.6	0.6	0.1	0.5	0.7
Rwanda	13.4	9.5	11.3	18.9	17.2	18.2	95.0	54.6	33.2	12.3	17.3	12.5	10.5	27.9
São Tomé and Príncipe	8.4	97.8	95.0	90.2	124.0	98.0	101.0	185.2	105.7	76.0	69.3	15.9	44.6	95.5
Senegal	8.8	15.4	14.4	11.5	11.1	9.2	17.6	14.9	12.5	9.6	10.8	10.5	13.7	11.4
Seychelles	14.7	6.4	9.8	6.1	4.4	4.2	2.7	2.6	3.5	2.9	4.0	14.5	10.1	4.1
Sierra Leone	7.8	8.5	6.8	12.9	19.3	27.1	30.0	21.5	20.4	12.9	15.9	4.7	8.0	17.7
Somalia	71.8	39.1	53.8	..	..	..	..	..	..	..	..	42.1	46.8	53.8
South Africa	..	..	..	..	..	0.2	0.2	0.3	0.3	0.3	0.4	..	..	0.3
Sudan	8.2	4.9	6.2	7.7	8.5	5.8	5.0	3.4	2.7	1.3	2.0	6.6	6.1	4.2
Swaziland	8.6	4.4	6.4	6.0	5.8	5.4	5.2	4.5	2.6	2.0	2.6	7.9	6.6	3.9
Tanzania	..	20.8	27.5	21.8	29.1	22.3	21.4	16.7	13.5	12.3	11.6	11.4	18.9	17.5
Togo	8.0	14.8	16.0	12.5	13.1	7.8	12.8	14.7	10.7	8.3	9.1	10.0	14.0	10.1
Uganda	9.1	8.6	15.5	20.0	25.4	18.9	18.8	14.5	11.2	12.9	9.6	4.0	5.9	14.9
Zambia	8.2	9.4	14.6	26.2	32.5	26.6	21.5	58.6	18.6	15.6	10.8	6.3	16.5	23.1
Zimbabwe	2.5	3.2	3.9	4.5	11.7	7.6	8.1	6.9	4.3	3.9	4.4	1.6	3.8	5.5
NORTH AFRICA	2.1	1.6	5.0	5.6	4.0	2.7	2.7	1.9	1.9	1.6	1.6	3.0	1.7	2.6
Algeria	0.4	0.3	0.4	0.7	0.8	0.7	1.0	0.7	0.6	0.5	0.8	0.5	0.3	0.6
Egypt, Arab Republic	6.0	3.9	12.6	13.6	8.6	5.1	5.2	3.3	3.3	2.6	2.4	10.3	4.4	5.3
Libya	0.0	0.1	..	..	..	..	..	..	..	..	..	0.0	0.0	..
Morocco	4.8	2.0	4.1	4.4	3.3	2.7	2.1	1.5	1.8	1.4	1.5	3.8	2.9	2.3
Tunisia	2.7	2.8	3.2	2.7	2.5	1.6	0.7	0.4	0.6	1.0	0.8	3.5	2.6	1.4
ALL AFRICA	3.1	5.3	7.4	7.8	7.5	4.6	5.1	4.4	3.6	3.1	3.2	3.5	4.6	4.4

Note: Nigeria's ratios are distorted for 1994-95 because of official exchange rate over-valuation affecting oil exports and oil value added (see chapter 3).

## 12-10. Net ODA from DAC donors as share of recipient GDP

	Percentage of GDP											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	2.2	5.9	5.6	6.0	3.3	3.5	3.1	2.7	2.4	2.5	2.4	2.3	4.6	3.5
excluding South Africa	2.2	5.9	5.6	6.0	6.0	6.8	5.8	4.6	4.0	4.1	3.9	2.3	4.6	4.9
excl. S Africa & Nigeria	3.6	6.8	6.5	7.3	6.9	8.1	6.9	5.7	4.9	5.0	4.8	3.3	5.4	5.9
Angola	..	1.6	1.3	3.4	2.9	5.5	4.8	3.9	3.0	3.3	4.1	..	1.2	3.1
Benin	2.5	6.8	8.5	10.5	7.0	9.5	8.8	7.5	7.2	6.3	5.1	3.6	6.1	7.2
Botswana	7.4	3.2	2.7	2.3	1.9	1.3	1.1	1.4	1.1	1.5	0.8	7.8	5.0	1.6
Burkina Faso	8.8	8.6	9.7	13.4	11.9	15.1	11.6	10.9	9.5	9.1	9.4	8.3	8.9	10.1
Burundi	6.5	13.9	10.5	13.7	13.4	11.7	10.8	7.5	4.0	5.1	7.3	6.3	7.5	9.0
Cameroon	2.5	3.0	3.0	5.1	4.4	5.1	4.3	3.1	3.6	3.5	2.8	2.5	1.9	3.5
Cape Verde	36.5	22.4	22.5	20.3	22.4	19.8	15.7	15.4	13.4	15.8	15.1	30.6	28.0	17.1
Central African Republic	9.4	6.7	7.0	7.4	9.0	11.0	10.9	11.3	6.1	5.4	5.6	8.2	8.0	7.3
Chad	2.0	10.5	7.3	7.9	10.0	8.8	8.8	7.6	6.4	4.4	4.1	4.7	9.6	6.9
Comoros	10.9	12.2	12.4	8.7	10.9	9.6	10.1	10.3	7.9	8.6	5.9	14.0	15.6	8.8
Congo, Democratic Rep. of	2.2	6.8	3.8	2.0	1.1	1.7	2.1	1.8	1.8	1.4	..	1.8	4.1	2.5
Congo, Republic of	3.2	7.2	4.3	3.5	6.1	14.3	4.2	15.5	11.2	3.1	5.2	3.8	4.0	6.8
Côte d'Ivoire	1.5	4.9	4.1	4.7	6.8	10.7	7.3	4.1	2.2	4.3	3.3	1.5	2.0	4.8
Djibouti	..	21.2	18.2	19.6	19.9	19.3	16.0	14.3	12.4	12.1	10.3	..	15.8	14.9
Equatorial Guinea	..	33.0	27.0	23.3	18.2	13.1	13.2	9.0	3.6	4.0	1.7	..	19.7	13.3
Eritrea	..	..	..	..	11.8	18.8	16.5	20.2	12.4	14.3	12.4	..	..	14.1
Ethiopia	..	7.5	8.7	8.2	6.7	11.6	9.1	7.5	5.9	5.6	5.0	1.9	5.6	7.0
Gabon	1.1	2.1	2.6	1.2	2.2	3.8	2.7	2.0	0.6	0.8	0.8	1.3	2.2	1.7
Gambia, The	6.8	18.0	17.4	14.5	13.6	10.5	6.6	4.4	4.2	3.2	3.1	8.7	21.8	8.8
Ghana	2.4	4.5	6.8	5.2	5.2	6.1	5.6	5.0	4.2	5.0	4.6	2.0	3.6	5.0
Guinea	..	4.9	5.7	7.1	5.6	5.4	6.0	3.5	3.3	4.1	3.2	..	6.3	4.5
Guinea-Bissau	31.1	30.9	24.2	25.1	23.8	52.4	30.3	46.1	21.8	31.5	14.3	21.9	27.6	28.1
Kenya	3.8	8.6	7.6	6.5	8.6	5.6	5.1	3.7	2.8	2.4	2.4	4.3	6.2	4.9
Lesotho	14.8	13.9	11.0	8.4	9.1	5.4	6.6	5.2	4.4	3.7	2.8	12.8	15.5	6.5
Liberia	5.4	..	..	..	..	..	..	..	..	..	..	5.1	4.8	..
Madagascar	2.2	8.7	10.2	7.2	6.8	6.4	6.2	5.8	15.5	8.9	5.2	2.4	6.3	7.4
Malawi	6.1	11.5	9.5	11.6	7.7	21.2	15.5	10.9	6.9	11.7	12.6	6.3	10.2	11.5
Mali	7.3	12.9	11.5	8.4	8.3	13.8	11.6	11.4	10.4	9.1	9.2	8.0	14.2	9.7
Mauritania	7.6	10.4	9.8	9.8	20.8	12.5	11.8	8.9	8.8	6.3	9.3	6.7	13.4	9.9
Mauritius	2.2	2.9	2.2	1.1	0.8	0.2	0.3	0.0	0.1	0.5	0.1	2.3	2.5	0.7
Mozambique	3.3	30.5	31.4	54.3	41.0	33.7	30.2	19.4	18.3	18.4	14.9	4.3	18.7	27.1
Namibia	..	1.6	3.5	3.2	4.3	3.5	4.2	3.9	3.4	3.8	3.4	0.0	0.7	3.3
Niger	4.2	10.3	11.4	11.2	15.8	16.7	10.3	8.2	9.8	7.0	6.0	5.9	10.7	9.7
Nigeria	0.0	0.6	0.6	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.1	0.4	0.3
Rwanda	8.3	7.1	12.2	9.2	10.3	64.7	26.4	17.9	9.6	10.3	9.3	7.9	6.0	16.5
São Tomé and Príncipe	2.6	53.9	42.4	57.3	59.5	53.2	135.2	64.3	48.2	44.4	40.7	4.6	18.1	56.5
Senegal	6.1	10.3	7.7	7.5	6.7	13.0	8.9	8.4	6.7	6.2	8.8	6.5	8.6	7.7
Seychelles	12.4	8.9	4.5	3.6	1.4	1.5	2.2	1.4	1.1	2.9	0.8	13.0	7.2	2.6
Sierra Leone	4.9	4.4	8.4	10.7	13.8	5.9	6.2	7.4	4.5	8.0	8.5	2.5	4.7	8.3
Somalia	23.1	29.4	..	..	..	..	..	..	..	..	..	13.4	30.1	29.4
South Africa	..	..	..	..	0.1	0.2	0.2	0.2	0.3	0.3	0.3	..	..	0.2
Sudan	3.6	3.2	3.2	2.9	2.1	2.1	1.8	1.4	0.8	1.5	1.6	2.5	3.3	1.9
Swaziland	5.6	4.3	3.5	2.7	3.3	2.5	2.9	1.6	1.2	1.3	1.1	5.2	4.3	2.2
Tanzania	..	19.8	15.4	17.7	15.3	12.6	11.2	9.3	7.4	9.0	7.2	8.1	14.6	11.7
Togo	4.6	9.5	7.8	8.0	6.3	6.5	9.0	6.6	5.0	4.7	3.3	5.7	8.0	6.1
Uganda	3.4	5.7	8.6	8.9	10.8	8.6	7.4	6.1	7.0	5.7	5.6	1.6	2.1	7.3
Zambia	6.0	12.4	17.3	22.0	15.6	13.0	12.7	10.8	9.4	7.9	11.0	4.8	12.9	12.6
Zimbabwe	1.7	3.4	4.2	7.9	4.7	4.1	4.9	3.3	2.6	3.4	4.0	1.2	3.3	3.9
NORTH AFRICA	1.1	2.9	4.3	3.3	1.9	2.2	1.6	1.5	1.1	1.0	0.9	1.4	1.5	1.9
Algeria	0.3	0.4	0.7	0.8	0.5	0.9	0.7	0.6	0.4	0.3	0.1	0.4	0.2	0.5
Egypt, Arab Republic	5.2	7.4	11.2	7.2	3.9	4.5	2.8	2.9	2.0	1.8	1.5	4.6	4.1	4.1
Libya	0.0	..	..	..	..	..	..	..	..	..	..	0.0	0.0	..
Morocco	1.0	2.3	2.2	2.6	1.6	1.0	1.1	1.1	0.6	0.7	0.9	1.4	1.9	1.3
Tunisia	1.8	1.7	2.0	1.9	0.9	0.5	0.3	0.2	0.4	0.5	0.5	2.5	1.9	0.8
ALL AFRICA	1.8	4.6	5.1	4.8	2.9	3.1	2.6	2.3	1.9	2.0	1.8	1.9	3.1	2.9

Note: Nigeria's ratios are distorted for 1994-95 because of official exchange rate over-valuation affecting oil exports and oil value added (see chapter 3).

## 12-11. Net ODA from multilateral donors as share of recipient GDP

	Percentage of GDP											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	1.2	3.2	3.5	4.2	2.2	2.7	2.5	1.8	1.5	1.5	1.4	1.3	2.5	2.3
excluding South Africa	1.2	3.2	3.5	4.2	4.0	5.3	4.7	3.1	2.6	2.6	2.3	1.3	2.5	3.3
excl S Africa & Nigeria	2.0	3.7	4.1	5.1	4.5	6.2	5.6	3.7	3.1	3.0	2.8	1.8	2.9	3.9
Angola	..	1.0	1.0	2.6	2.6	5.6	3.5	2.4	1.7	1.9	2.2	..	0.6	2.3
Benin	3.8	7.7	5.8	6.1	6.6	7.4	4.8	5.3	3.5	3.0	4.0	3.3	4.8	5.0
Botswana	2.0	0.7	0.7	0.5	1.0	0.6	0.7	0.2	1.4	0.7	0.4	2.1	1.6	0.6
Burkina Faso	3.6	2.9	5.0	8.2	9.9	9.6	10.6	5.8	6.4	6.7	6.4	3.9	3.9	6.8
Burundi	5.9	9.4	11.8	15.1	10.0	22.3	18.2	4.9	1.9	3.7	3.1	5.2	8.4	9.5
Cameroon	1.1	1.0	1.1	1.2	0.1	4.2	1.2	1.5	1.9	1.4	2.0	1.0	0.5	1.5
Cape Verde	22.0	9.3	7.3	10.0	9.8	9.6	8.2	7.3	8.5	8.3	8.2	15.6	13.5	8.1
Central African Republic	4.2	10.0	5.2	4.9	4.1	8.4	3.8	4.2	3.0	6.1	5.5	4.4	5.8	5.1
Chad	1.5	7.4	6.6	4.8	5.2	9.2	7.6	10.7	8.4	5.2	7.4	3.6	7.6	6.9
Comoros	10.8	5.8	13.4	9.4	7.5	11.3	9.3	8.1	6.2	7.7	3.7	14.1	12.4	7.8
Congo, Democratic Rep. of	0.7	2.0	1.5	1.3	0.9	2.5	1.4	1.0	0.8	0.8	..	0.8	2.5	1.3
Congo, Republic of	1.3	0.6	0.6	0.4	0.4	6.2	0.8	1.4	0.4	0.3	0.9	1.9	0.6	1.1
Côte d'Ivoire	0.6	1.5	1.9	2.1	0.5	10.1	4.9	4.7	2.0	2.7	0.7	0.5	0.8	2.9
Djibouti	..	4.2	4.7	4.6	6.2	4.7	4.5	4.3	3.7	3.3	3.5	..	5.0	4.1
Equatorial Guinea	..	12.9	16.0	16.8	16.5	10.6	7.3	2.9	1.3	1.4	0.6	0.7	15.3	7.9
Eritrea	..	..	..	..	4.4	9.7	8.6	4.5	3.9	5.6	7.7	..	..	5.9
Ethiopia	..	6.4	11.8	12.9	10.7	10.3	6.2	6.1	3.1	4.3	4.7	2.8	4.4	7.2
Gabon	0.2	0.1	0.1	0.1	0.1	0.5	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2
Gambia, The	12.8	13.2	13.8	17.9	10.1	9.2	6.0	5.6	5.6	5.9	4.4	8.5	16.9	8.7
Ghana	1.3	5.0	6.4	4.4	5.2	4.0	4.6	4.4	2.7	4.3	3.2	1.4	5.1	4.1
Guinea	..	5.3	6.8	6.6	6.9	5.1	5.2	3.7	5.9	5.2	3.2	..	4.4	5.0
Guinea-Bissau	21.4	21.8	20.0	19.7	14.3	20.5	15.2	19.1	24.4	15.1	9.0	13.1	24.8	17.2
Kenya	1.6	5.2	3.8	4.6	9.8	3.9	3.0	2.7	1.4	1.8	0.5	1.2	2.3	3.4
Lesotho	7.1	9.2	7.6	8.9	8.3	8.4	5.6	5.4	3.9	3.9	0.7	8.0	10.7	5.8
Liberia	2.6	..	..	..	..	..	..	..	..	..	..	2.1	2.1	..
Madagascar	2.3	4.3	6.8	4.9	4.0	3.3	3.4	3.2	8.0	4.3	4.5	1.9	4.8	4.4
Malawi	5.5	15.2	14.3	20.3	16.2	18.2	14.8	9.4	6.7	13.3	11.8	4.8	10.7	13.2
Mali	5.8	6.4	6.9	6.6	5.5	11.8	10.9	7.7	7.2	4.5	4.6	5.6	7.5	6.7
Mauritania	5.1	10.4	9.5	7.7	14.3	14.6	11.3	16.6	14.1	11.5	13.0	7.6	8.2	11.9
Mauritius	0.7	0.5	0.3	0.4	0.0	0.2	0.3	0.5	0.7	0.6	0.9	1.2	0.4	0.4
Mozambique	1.0	10.2	12.2	24.5	18.3	21.3	15.7	11.7	9.6	8.5	5.4	1.3	5.6	12.8
Namibia	..	3.2	3.2	1.5	1.1	0.8	1.3	1.5	1.1	1.5	1.7	..	0.4	1.7
Niger	2.5	5.6	4.5	4.4	5.5	7.1	4.2	4.6	7.7	7.0	3.3	3.1	6.0	5.1
Nigeria	0.0	0.3	0.3	0.4	1.0	0.6	0.5	0.4	0.4	0.5	0.3	0.0	0.1	0.4
Rwanda	4.9	3.8	6.5	8.0	7.8	29.9	28.2	15.2	2.7	7.0	9.9	4.3	4.2	11.3
São Tomé and Príncipe	5.8	41.1	47.8	66.7	38.5	47.8	49.9	41.4	27.7	24.8	17.9	11.3	26.5	38.9
Senegal	2.6	4.0	3.5	3.3	2.2	4.5	5.7	3.8	2.8	4.5	2.4	3.2	4.4	3.5
Seychelles	2.3	0.9	1.6	1.0	2.6	1.2	0.5	1.5	1.0	1.0	1.0	1.3	2.5	1.2
Sierra Leone	2.6	2.3	4.5	8.6	13.3	24.1	15.2	12.5	8.3	7.6	1.9	2.0	2.9	9.3
Somalia	27.5	15.5	..	..	..	..	..	..	..	..	..	15.9	16.0	15.5
South Africa	..	..	..	..	0.1	0.1	0.0	0.0	0.1	0.1	0.1	..	..	0.1
Sudan	2.5	3.0	4.3	5.2	3.6	2.9	1.5	1.2	0.5	0.6	0.6	1.8	1.9	2.2
Swaziland	3.0	2.1	2.5	2.7	1.8	2.6	1.4	0.8	0.7	1.0	1.1	2.8	2.2	1.6
Tanzania	..	7.7	6.4	11.4	7.0	8.6	5.4	4.2	4.9	2.7	4.4	2.9	4.1	5.8
Togo	3.4	6.5	4.8	5.3	1.6	6.3	5.7	4.2	3.4	4.3	1.5	4.2	5.7	4.1
Uganda	5.6	8.9	9.9	15.9	8.1	9.9	7.0	4.9	5.9	3.9	3.6	2.2	3.7	7.2
Zambia	1.6	2.2	8.9	10.6	11.0	8.5	45.9	7.8	6.2	2.9	9.1	1.1	3.6	10.5
Zimbabwe	0.7	0.4	0.4	3.8	2.9	4.1	2.1	1.1	1.3	1.0	0.5	0.4	0.5	1.6
<b>NORTH AFRICA</b>	0.2	0.2	0.5	0.4	0.5	0.5	0.3	0.4	0.5	0.5	0.4	0.5	0.1	0.4
Algeria	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.5	0.0	0.1	0.0	0.1
Egypt, Arab Republic	0.9	0.2	1.0	0.5	0.4	0.5	0.3	0.3	0.5	0.3	0.2	2.2	0.2	0.4
Libya	0.0	..	..	..	..	..	..	..	..	..	..	0.0	0.0	..
Morocco	0.4	0.4	0.5	0.6	1.0	0.9	0.4	0.6	0.6	0.7	0.9	0.3	0.2	0.6
Tunisia	0.3	0.6	0.7	0.7	0.7	0.3	0.2	0.6	0.8	0.4	0.8	0.4	0.5	0.6
<b>ALL AFRICA</b>	0.8	1.9	2.3	2.5	1.6	2.0	1.7	1.3	1.1	1.1	1.0	0.9	1.4	1.6

Note: Nigeria's ratios are distorted for 1994-95 because of official exchange rate over-valuation affecting oil exports and oil value added (see chapter 3).

## 12-12. Net ODA from all donors as share of recipient GDI

	Percentage of GDI											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	19.5	58.2	53.7	61.3	34.8	36.3	31.5	25.8	22.5	22.7	21.3	20.3	44.9	34.2
excluding South Africa	19.5	58.2	53.7	61.3	58.7	65.2	61.6	44.2	36.3	34.1	30.8	20.3	44.9	46.9
excl. S. Africa & Nigeria	33.7	67.5	67.7	81.5	71.5	78.8	73.1	51.7	43.6	42.5	39.0	30.5	51.8	57.5
Angola	..	22.4	17.7	165.6	49.3	66.8	279.9	23.6	18.2	21.6	16.4	..	12.7	62.5
Benin	42.4	102.2	97.9	120.6	88.9	108.6	71.2	76.3	55.7	53.1	50.5	40.9	91.4	76.4
Botswana	25.5	12.3	11.1	9.4	11.7	7.2	6.8	5.9	10.5	10.5	6.1	31.0	28.0	8.4
Burkina Faso	72.9	58.2	73.1	103.0	110.2	113.6	87.3	61.8	56.5	52.7	59.6	64.1	60.5	72.3
Burundi	91.9	160.5	153.3	191.3	141.8	319.4	300.1	102.3	72.9	99.5	114.1	89.3	108.0	155.7
Cameroon	18.7	22.4	24.9	43.9	27.7	60.6	38.4	29.4	33.9	26.6	25.3	15.0	11.3	30.9
Cape Verde	116.9	139.1	113.9	87.7	81.4	68.0	56.3	96.4	99.7	121.5	111.2	95.0	131.5	92.3
Central African Republic	198.7	136.7	100.1	102.6	131.0	168.5	111.3	369.9	92.6	84.6	77.4	129.1	115.2	126.4
Chad	..	113.2	215.0	170.2	157.4	108.5	159.4	123.7	102.0	56.8	95.6	159.7	219.0	120.2
Comoros	105.7	92.1	127.1	81.3	90.0	99.6	110.6	137.0	90.9	107.8	76.3	114.1	120.1	94.6
Congo, Democratic Rep. of	29.8	106.0	94.0	47.6	112.8	53.5	37.0	39.7	38.2	..	..	23.1	47.1	66.1
Congo, Republic of	15.1	49.0	24.0	17.9	21.8	37.6	16.2	60.2	40.7	9.0	21.8	19.5	22.2	27.2
Côte d'Ivoire	7.8	95.2	81.8	98.0	88.5	165.7	89.7	57.2	26.4	42.3	25.2	8.9	25.3	70.5
Djibouti	..	..	..	..	..	..	250.3	216.2	180.3	103.1	157.3	..	..	156.5
Equatorial Guinea	..	264.5	94.3	165.7	158.2	32.0	26.8	10.5	7.4	6.0	4.2	7.8	..	70.1
Eritrea	..	..	..	..	108.4	173.5	134.9	86.2	46.0	78.5	58.7	..	..	89.4
Ethiopia	..	125.5	207.7	230.1	122.6	144.4	93.0	80.6	53.3	59.1	61.9	37.2	70.6	109.9
Gabon	4.7	10.3	10.0	5.5	10.3	19.8	12.3	9.4	2.4	2.6	3.9	4.1	7.7	8.0
Gambia, The	84.7	140.0	145.4	143.6	110.5	106.0	60.5	44.1	55.1	50.4	43.5	100.5	225.0	84.9
Ghana	76.7	66.2	84.1	74.9	47.1	42.1	50.3	32.2	28.9	40.7	37.3	60.7	78.4	47.2
Guinea	..	59.3	69.5	78.3	69.8	67.9	68.2	44.6	57.1	55.7	31.2	..	69.1	55.2
Guinea-Bissau	190.7	176.2	144.0	98.1	129.2	340.7	209.2	290.0	192.0	361.5	138.4	158.2	161.6	198.5
Kenya	22.3	70.5	57.3	80.8	103.2	57.7	46.3	38.4	27.5	27.3	21.0	26.8	42.0	49.3
Lesotho	59.0	43.7	28.7	26.7	32.2	25.1	20.2	18.9	16.6	15.8	7.0	72.0	61.5	21.9
Liberia	32.1	..	..	..	..	..	..	..	..	..	..	44.5	94.0	..
Madagascar	38.1	76.2	208.5	107.0	94.0	89.1	87.1	76.7	198.3	106.2	74.7	47.1	101.1	102.6
Malawi	46.8	116.2	123.4	161.0	158.4	136.8	179.0	174.9	111.1	185.8	166.2	49.5	112.0	146.7
Mali	96.7	86.6	82.0	69.4	62.2	91.5	95.9	81.9	84.1	64.0	65.0	103.7	117.1	71.9
Mauritania	94.3	116.5	107.8	87.1	166.8	125.6	111.9	131.3	123.5	90.3	128.4	106.9	97.3	110.9
Mauritius	14.1	10.9	8.3	4.9	2.6	1.3	2.3	1.9	3.6	4.0	3.7	15.1	11.6	4.0
Mozambique	80.8	261.1	272.3	506.0	467.3	278.1	201.6	149.4	149.6	115.7	63.3	99.7	215.4	226.7
Namibia	..	13.8	35.1	20.7	31.6	19.3	25.2	23.3	21.8	19.6	21.4	0.0	8.0	22.1
Niger	24.1	197.3	214.5	225.0	334.4	232.2	199.4	132.7	166.1	124.7	90.7	84.2	127.1	176.4
Nigeria	0.3	6.2	4.1	3.7	5.8	4.1	4.6	3.8	3.2	2.6	1.9	0.6	3.2	3.7
Rwanda	82.8	76.9	134.9	120.3	125.1	812.4	364.0	214.1	82.6	110.2	134.7	85.9	68.5	203.2
São Tomé and Príncipe	49.8	610.7	245.0	319.9	277.4	242.9	271.9	188.3	154.7	193.6	146.6	115.6	286.9	251.9
Senegal	75.1	104.0	89.7	75.0	65.4	94.7	89.0	67.5	53.6	57.9	59.2	81.6	116.5	69.7
Seychelles	38.5	39.7	27.5	20.9	14.5	10.2	8.4	7.0	9.5	10.6	5.8	43.6	43.9	14.8
Sierra Leone	44.0	72.0	122.4	234.5	367.5	391.9	253.5	275.3	247.5	333.5	207.5	38.4	86.9	274.5
Somalia	169.3	347.2	..	..	..	..	..	..	..	..	..	156.0	166.2	347.2
South Africa	..	..	..	..	1.5	1.4	1.4	1.5	2.1	2.5	2.8	..	..	1.8
Sudan	55.8	..	..	..	..	..	..	..	9.6	12.8	16.8	44.2	52.5	12.4
Swaziland	28.4	32.0	30.4	24.2	22.9	24.0	22.0	12.5	9.9	12.0	11.1	26.0	31.4	18.5
Tanzania	..	105.5	82.7	106.8	88.8	86.8	84.4	81.2	82.5	86.2	73.8	..	122.0	82.1
Togo	28.1	60.1	73.0	83.7	105.0	84.8	91.1	57.1	51.3	43.8	26.6	39.6	82.3	62.2
Uganda	148.3	122.2	132.1	159.2	124.2	128.2	88.3	69.6	80.4	63.7	56.2	58.4	59.9	96.9
Zambia	35.2	84.5	237.5	273.6	177.0	260.4	367.5	145.2	107.0	65.7	112.1	34.1	112.2	170.8
Zimbabwe	14.5	22.2	23.8	57.9	33.3	34.3	35.1	23.2	21.6	25.8	27.6	9.3	22.5	28.5
<b>NORTH AFRICA</b>	7.2	17.5	21.1	15.6	11.3	12.0	8.3	9.3	7.3	6.3	5.2	9.4	7.2	10.5
Algeria	1.1	1.5	2.3	2.7	2.4	3.2	2.4	2.6	2.2	2.9	0.7	1.2	1.0	2.1
Egypt, Arab Republic	22.0	43.8	64.2	47.3	31.3	31.3	19.5	19.6	12.1	9.2	7.0	33.9	15.9	26.0
Libya	0.2	..	..	..	..	..	..	..	..	..	..	0.2	..	..
Morocco	19.7	16.1	19.5	14.3	11.8	9.7	7.2	9.1	6.7	6.7	8.2	14.5	12.1	10.1
Tunisia	9.1	9.8	8.5	7.3	5.3	2.8	1.6	2.5	3.9	2.8	4.5	11.3	10.9	4.6
<b>ALL AFRICA</b>	12.3	34.0	36.4	35.9	24.8	26.4	22.5	19.5	16.4	15.2	13.7	13.6	22.5	22.7

Note: Nigeria's ratios are distorted for 1994-95 because of official exchange rate over-valuation affecting oil exports and oil value added (see chapter 3).

## 12-13. Net ODA from DAC donors as share of recipient GDI

	Percentage of GDI											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	11.3	37.1	33.1	36.4	21.1	20.5	17.5	15.6	13.7	14.0	13.3	11.7	28.1	20.6
excluding South Africa	11.3	37.1	33.1	36.4	35.5	36.7	33.9	26.4	21.8	20.8	19.0	11.7	28.1	27.9
excl. S. Africa & Nigeria	19.5	43.1	41.7	48.5	43.7	44.6	40.3	31.1	26.3	26.3	24.2	17.6	32.4	34.4
Angola	..	13.7	10.1	92.8	25.6	33.2	161.9	14.7	11.6	13.8	10.6	..	8.7	35.5
Benin	16.8	48.0	58.8	76.6	45.6	60.2	45.0	43.6	37.3	36.3	28.5	21.0	50.1	44.5
Botswana	20.1	10.1	8.7	7.9	7.2	4.8	4.1	5.4	4.8	7.2	4.1	23.9	20.9	5.9
Burkina Faso	51.9	42.0	47.0	63.5	60.1	69.4	44.9	39.6	33.5	29.8	34.7	43.3	41.5	42.2
Burundi	46.8	95.8	73.0	91.6	82.1	111.0	113.1	62.5	49.5	57.7	79.9	48.1	49.4	75.6
Cameroon	12.1	17.1	18.2	35.5	26.9	33.0	29.9	20.0	22.4	18.9	14.8	10.1	8.7	21.8
Cape Verde	70.7	97.9	85.9	58.9	56.4	45.8	36.9	64.0	61.0	79.7	72.2	58.6	89.1	62.4
Central African Republic	134.5	54.5	56.3	61.2	88.4	94.4	80.8	262.7	62.4	39.9	39.1	84.4	65.2	76.6
Chad	..	66.1	112.0	105.6	102.0	52.7	85.7	50.9	43.2	25.3	32.8	86.5	122.1	61.5
Comoros	32.8	62.2	60.9	39.0	53.1	45.6	57.5	76.4	50.9	56.9	46.9	43.0	67.4	49.9
Congo, Democratic Rep. of	22.1	74.8	67.6	28.7	62.6	21.2	22.2	25.4	25.3	..	..	16.1	29.5	41.0
Congo, Republic of	9.1	45.4	21.0	16.1	20.5	26.2	13.6	55.3	39.2	8.2	18.7	11.8	19.5	24.1
Côte d'Ivoire	5.6	73.5	56.3	68.3	82.0	85.3	53.7	26.6	13.8	25.9	20.5	7.0	18.0	46.1
Djibouti	..	..	..	..	..	..	189.5	157.9	131.2	79.4	116.1	..	..	113.6
Equatorial Guinea	..	189.8	53.2	96.1	83.0	17.7	17.3	7.9	5.5	4.4	3.1	..	..	43.5
Eritrea	..	..	..	..	78.0	105.6	85.6	69.1	30.1	45.8	31.7	..	..	57.8
Ethiopia	..	63.0	88.1	89.3	46.9	76.4	55.3	44.2	34.4	32.7	31.3	13.6	39.5	51.9
Gabon	4.2	9.8	9.8	5.2	9.9	17.6	11.6	8.5	1.9	2.2	2.8	3.4	6.7	7.2
Gambia, The	25.6	80.4	79.3	65.5	64.9	58.1	32.6	20.3	24.7	17.6	17.2	46.6	128.1	42.4
Ghana	42.8	31.2	42.8	40.5	23.6	25.5	27.7	17.3	17.1	21.7	21.8	32.8	32.1	25.6
Guinea	..	28.1	31.8	40.8	31.6	35.2	36.0	20.1	18.8	23.0	14.6	..	38.8	25.6
Guinea-Bissau	110.3	103.2	78.2	51.9	77.3	240.8	135.7	200.1	90.4	244.3	84.8	92.8	81.4	123.1
Kenya	15.6	43.7	37.9	47.4	48.4	34.1	28.9	22.3	18.5	15.8	17.2	20.7	30.4	29.3
Lesotho	39.9	26.3	17.0	12.7	16.5	9.8	10.9	8.9	8.1	7.8	5.8	43.0	36.2	11.4
Liberia	19.7	..	..	..	..	..	..	..	..	..	..	32.5	66.7	..
Madagascar	15.0	51.3	125.3	63.6	59.0	58.5	56.4	49.4	130.6	71.5	40.1	25.0	57.7	64.2
Malawi	24.7	49.9	46.8	58.0	50.5	73.0	90.9	93.9	56.4	87.1	84.9	26.2	54.8	68.4
Mali	47.5	56.2	50.7	38.4	37.8	50.4	50.5	49.6	50.3	43.5	43.5	55.7	73.4	43.1
Mauritania	28.7	52.3	54.5	50.6	100.6	60.1	61.2	47.6	50.1	33.4	52.0	25.5	53.1	51.3
Mauritius	10.8	9.3	7.6	3.7	2.7	0.7	1.1	-0.1	0.2	1.9	0.5	9.8	9.7	2.5
Mozambique	54.8	195.5	195.9	348.2	322.1	169.9	132.3	92.9	98.1	79.3	46.7	74.1	164.0	154.5
Namibia	..	4.5	18.3	14.2	25.2	15.8	19.4	16.9	16.3	14.0	14.1	0.0	4.9	14.9
Niger	14.9	126.7	151.9	161.3	247.0	160.9	140.9	85.0	90.4	61.8	58.3	51.1	80.2	117.2
Nigeria	0.1	4.1	2.7	1.9	1.4	1.0	1.6	0.9	0.8	0.4	0.7	0.4	2.6	1.5
Rwanda	51.5	48.4	86.9	64.2	70.7	552.7	175.9	115.6	64.3	65.8	65.2	54.3	39.2	121.7
São Tomé and Príncipe	15.4	346.2	115.0	147.7	168.3	127.9	198.6	114.5	98.1	124.1	101.7	30.6	110.1	145.5
Senegal	51.9	74.9	59.5	50.8	47.5	70.3	53.4	45.6	37.0	33.4	46.0	50.5	73.0	47.5
Seychelles	32.4	36.1	20.1	16.8	5.1	5.8	7.1	2.9	3.5	7.5	2.1	38.5	31.2	9.7
Sierra Leone	27.5	47.2	79.8	130.3	186.9	76.5	73.2	100.1	86.5	166.8	168.9	21.7	51.5	137.9
Somalia	54.4	189.7	..	..	..	..	..	..	..	..	..	49.5	107.6	189.7
South Africa	..	..	..	..	1.0	1.0	1.2	1.3	1.7	2.0	2.0	..	..	1.4
Sudan	24.4	..	..	..	..	..	..	..	6.0	9.1	11.0	17.0	28.3	6.9
Swaziland	18.5	21.4	17.7	11.4	13.9	11.4	14.3	7.8	5.7	5.8	5.7	16.7	20.4	10.4
Tanzania	..	75.9	58.5	65.1	60.8	51.3	56.4	56.0	49.7	66.3	45.7	..	93.3	55.0
Togo	16.1	35.8	45.4	50.7	83.7	42.9	55.8	35.4	31.0	22.5	17.5	21.5	46.6	38.3
Uganda	55.2	44.7	56.6	56.0	70.8	58.7	44.8	38.1	43.4	37.8	34.0	24.1	21.2	47.2
Zambia	25.9	72.0	156.7	184.7	103.7	157.4	79.4	84.3	64.4	48.3	61.1	26.1	88.8	95.2
Zimbabwe	9.9	19.4	21.8	39.2	20.7	17.1	24.8	17.6	14.3	19.9	24.8	7.2	19.8	20.6
NORTH AFRICA	4.4	10.4	16.2	12.8	8.1	9.6	6.8	7.5	5.0	4.1	3.5	4.5	6.1	7.6
Algeria	0.7	1.3	2.1	2.5	1.8	2.8	2.2	2.2	1.7	0.9	0.3	0.9	0.7	1.6
Egypt, Arab Republic	18.8	25.5	53.1	39.4	23.8	26.9	16.3	17.2	9.1	7.0	5.7	15.3	14.9	20.4
Libya	0.1	..	..	..	..	..	..	..	..	..	..	0.1	..	..
Morocco	4.1	9.1	9.7	11.1	7.0	4.9	5.1	5.5	3.1	3.2	4.0	5.5	8.3	5.7
Tunisia	6.1	5.4	6.3	5.6	3.0	1.9	1.2	0.8	1.4	1.9	1.8	8.0	7.7	2.6
ALL AFRICA	7.5	21.2	24.2	23.3	15.5	16.1	13.4	12.5	10.2	9.5	8.7	7.5	15.1	14.3

Note: Nigeria's ratios are distorted for 1994-95 because of official exchange rate over-valuation affecting oil exports and oil value added (see chapter 3).

## 12-14. Net ODA from multilateral donors as share of recipient GDI

	Percentage of GDI											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	6.3	19.7	20.1	24.7	13.6	15.7	13.9	10.1	8.6	8.5	7.8	6.5	15.4	13.3
excluding South Africa	6.3	19.7	20.1	24.7	23.0	28.4	27.6	17.6	14.2	13.1	11.5	6.5	15.4	18.6
excl. S Africa & Nigeria	10.8	22.9	25.3	32.8	27.6	34.1	32.5	20.3	16.8	16.0	14.4	9.8	17.9	22.7
Angola	..	8.6	7.5	72.5	23.1	33.5	117.9	8.9	6.5	7.8	5.7	..	3.9	26.9
Benin	24.8	54.4	40.0	44.0	43.2	46.8	24.5	31.1	18.4	17.2	22.3	19.5	39.7	31.5
Botswana	5.4	2.3	2.2	1.8	3.8	2.4	2.7	0.7	5.9	3.5	2.1	6.4	7.0	2.6
Burkina Faso	21.0	14.2	24.3	38.9	50.0	43.9	41.1	21.2	22.5	22.0	23.5	20.1	17.9	28.5
Burundi	42.2	64.6	81.8	100.6	61.2	211.4	189.9	41.0	23.8	42.6	34.1	39.0	54.8	81.1
Cameroon	5.0	5.5	6.8	8.4	0.8	27.7	8.4	9.6	11.6	7.8	10.7	4.3	2.6	9.2
Cape Verde	42.5	40.8	27.7	29.1	24.6	22.2	19.3	30.1	38.8	41.9	39.3	34.3	40.5	29.7
Central African Republic	60.5	80.9	42.1	39.9	40.7	72.1	28.2	96.7	30.2	44.7	38.4	42.9	48.1	48.0
Chad	..	46.3	101.1	64.5	53.4	55.3	73.4	71.5	56.6	29.9	59.3	69.7	96.9	57.3
Comoros	32.7	29.5	66.0	42.2	36.6	53.9	52.9	60.2	39.8	50.7	29.4	43.1	49.0	44.4
Congo, Democratic Rep. of	7.4	22.1	26.4	18.5	50.0	32.2	14.7	13.6	10.8	..	..	6.8	17.7	23.6
Congo, Republic of	3.6	3.6	2.9	1.9	1.2	11.3	2.6	4.9	1.5	0.8	3.1	5.7	2.8	3.2
Côte d'Ivoire	2.2	21.8	25.4	29.7	6.4	80.4	35.9	30.5	12.6	16.4	4.5	1.9	7.3	24.4
Djibouti	..	..	..	..	..	..	53.1	47.3	39.4	21.5	39.2	..	..	35.3
Equatorial Guinea	..	74.3	31.7	69.6	75.2	14.3	9.5	2.6	2.0	1.5	1.2	5.3	..	25.7
Eritrea	..	..	..	..	29.1	54.4	44.5	15.5	9.6	17.9	19.6	..	..	24.9
Ethiopia	..	54.1	119.4	140.7	75.5	67.9	37.6	36.4	18.2	25.3	29.2	20.4	30.6	56.7
Gabon	0.6	0.4	0.2	0.3	0.4	2.1	0.8	1.1	0.7	0.5	1.1	0.5	0.7	0.8
Gambia, The	48.0	59.0	63.0	80.8	48.3	50.9	29.9	25.8	32.6	32.2	24.7	43.2	98.4	43.0
Ghana	23.7	34.9	40.4	34.6	23.3	16.9	23.1	15.0	11.1	18.8	15.3	24.9	46.2	21.5
Guinea	..	30.3	37.9	37.8	38.9	33.0	31.2	21.4	33.2	29.0	14.3	..	27.1	28.3
Guinea-Bissau	75.9	72.9	64.5	40.8	46.4	94.0	68.1	83.0	101.2	117.0	53.6	54.6	71.6	72.5
Kenya	6.7	26.5	19.2	33.7	55.2	23.8	17.0	15.9	8.9	11.5	3.6	5.7	11.2	20.0
Lesotho	19.1	17.6	11.8	13.4	15.1	15.1	9.2	9.3	7.2	8.3	1.5	28.5	24.9	10.3
Liberia	9.4	..	..	..	..	..	..	..	..	..	..	10.9	27.3	..
Madagascar	15.1	25.1	83.2	43.4	35.0	30.6	30.7	27.3	67.7	34.6	34.6	19.9	44.3	38.4
Malawi	22.1	66.1	70.5	101.6	107.0	62.7	87.0	81.1	55.3	98.5	79.9	23.3	57.0	77.0
Mali	37.4	27.7	30.4	30.4	25.0	43.3	47.8	33.6	34.9	21.5	21.5	38.7	38.1	29.3
Mauritania	19.3	52.2	52.9	39.7	69.1	70.2	58.4	89.1	80.1	60.5	73.3	30.4	32.4	61.3
Mauritius	3.4	1.5	0.9	1.2	-0.1	0.7	1.3	2.1	2.5	2.2	3.3	4.9	1.4	1.5
Mozambique	16.3	65.6	76.3	156.9	143.7	107.6	68.9	56.1	51.7	36.7	16.8	22.5	49.6	71.8
Namibia	..	9.3	16.7	6.5	6.4	3.5	5.8	6.4	5.5	5.6	7.3	..	3.1	7.2
Niger	9.0	68.8	60.0	63.6	85.4	68.1	57.8	47.3	70.5	62.4	32.2	26.4	45.2	57.7
Nigeria	0.1	1.8	1.4	1.7	4.2	3.1	3.0	2.9	2.4	2.2	1.2	0.2	0.6	2.2
Rwanda	30.6	25.8	46.7	56.1	53.5	255.9	188.2	97.9	18.1	44.4	69.5	29.7	27.7	80.7
São Tomé and Príncipe	34.4	264.5	129.8	172.2	109.0	114.9	73.3	73.7	56.4	69.4	44.9	85.0	176.9	106.3
Senegal	22.6	28.8	27.1	22.4	15.9	24.2	33.9	20.6	15.4	24.4	12.7	25.0	36.9	21.2
Seychelles	6.1	3.7	7.4	4.5	9.0	4.5	1.6	3.0	3.4	2.7	2.7	4.4	10.9	4.3
Sierra Leone	14.4	24.7	42.4	104.0	180.4	315.2	179.5	168.7	159.0	158.4	37.6	14.6	31.0	134.8
Somalia	65.0	99.9	..	..	..	..	..	..	..	..	..	58.5	56.2	99.9
South Africa	..	..	..	..	0.5	0.4	0.2	0.2	0.3	0.4	0.8	..	..	0.4
Sudan	17.2	..	..	..	..	..	..	..	3.6	3.6	4.0	12.0	14.7	3.4
Swaziland	9.9	10.5	12.5	11.3	7.8	11.8	6.7	3.7	3.6	4.7	5.4	9.4	10.6	7.4
Tanzania	..	29.3	24.4	41.9	28.1	35.0	27.5	25.4	32.6	19.7	28.0	..	28.7	27.0
Togo	12.0	24.4	27.8	33.6	21.0	41.7	35.1	22.5	20.8	20.8	7.9	17.2	33.4	23.8
Uganda	91.3	69.7	65.3	100.0	53.1	67.2	42.3	30.6	36.7	25.9	22.1	32.2	37.4	47.3
Zambia	6.8	12.5	80.7	88.8	73.3	103.0	288.1	60.8	42.6	17.6	50.9	6.2	23.4	75.6
Zimbabwe	4.2	2.3	2.1	18.9	12.6	17.3	10.5	5.8	7.4	6.0	2.9	2.1	2.9	7.9
NORTH AFRICA	0.8	0.7	1.9	1.4	2.0	2.1	1.2	1.7	2.0	1.8	1.4	1.6	0.6	1.5
Algeria	0.1	0.1	0.2	0.2	0.6	0.3	0.3	0.3	0.4	1.9	0.2	0.1	0.1	0.4
Egypt, Arab Republic	3.1	0.6	4.6	2.6	2.5	3.3	2.0	1.9	2.4	1.3	0.9	7.2	0.9	2.0
Libya	0.1	..	..	..	..	..	..	..	..	..	..	0.1	..	..
Morocco	1.4	1.4	2.4	2.4	4.5	4.4	1.9	3.2	3.1	3.1	3.8	1.3	0.7	2.9
Tunisia	1.0	2.0	2.2	1.9	2.6	1.3	0.9	2.5	2.9	1.5	2.9	1.4	2.2	2.0
ALL AFRICA	3.3	8.4	10.4	11.8	8.7	10.2	9.0	6.9	5.9	5.4	4.8	3.6	6.6	7.6

Note: Nigeria's ratios are distorted for 1994-95 because of official exchange rate over-valuation affecting oil exports and oil value added (see chapter 3).

## 12-15. Net ODA per capita from all donors

	U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	21	37	35	37	31	32	31	25	22	21	19	17	27	27
excluding South Africa	21	37	35	37	32	34	32	26	23	22	19	17	27	28
excl. S Africa & Nigeria	26	45	43	45	40	42	40	33	28	27	24	21	34	34
Angola	7	29	29	35	28	42	38	42	30	28	31	7	16	31
Benin	26	57	55	54	56	48	51	51	38	35	35	21	36	44
Botswana	117	115	100	83	93	60	62	50	79	68	38	91	114	69
Burkina Faso	30	37	46	47	49	44	49	41	35	37	36	24	32	39
Burundi	28	48	46	54	37	52	47	18	9	12	11	23	37	31
Cameroon	31	39	44	59	44	57	34	30	36	30	30	22	24	37
Cape Verde	223	316	302	336	324	326	307	297	275	313	319	144	276	292
Central African Republic	48	85	58	58	55	52	51	51	27	34	33	34	59	46
Chad	8	55	45	39	36	33	35	43	32	23	25	18	40	34
Comoros	129	105	144	106	105	81	85	78	53	67	39	119	123	79
Congo, Democratic Rep. of	16	24	12	7	4	6	4	4	3	3	3	12	16	7
Congo, Republic of	55	98	59	48	51	145	49	163	100	24	50	49	49	72
Côte d'Ivoire	26	58	52	60	59	118	87	67	30	53	29	17	25	56
Djibouti	260	375	201	205	237	221	175	158	137	127	116	212	215	181
Equatorial Guinea	43	173	173	167	139	77	84	75	58	58	46	27	116	97
Eritrea	..	..	..	..	20	45	42	43	33	43	37	..	..	35
Ethiopia	6	20	21	21	20	20	16	14	10	11	10	5	16	15
Gabon	81	138	145	67	97	169	131	113	34	38	39	73	105	90
Gambia, The	85	108	105	110	82	65	42	33	33	32	27	58	109	60
Ghana	18	38	58	39	39	33	38	37	28	38	32	13	33	35
Guinea	20	51	64	74	65	56	63	44	55	51	33	15	42	51
Guinea-Bissau	75	132	116	106	91	165	109	163	109	83	44	64	100	105
Kenya	24	51	38	36	36	26	28	22	16	17	11	19	31	26
Lesotho	70	82	71	81	78	62	59	53	46	32	15	53	66	53
Liberia	52	47	64	47	47	24	45	62	26	25	31	40	34	39
Madagascar	26	34	38	30	29	22	23	26	59	34	24	16	27	29
Malawi	23	59	63	64	54	50	45	49	33	41	41	19	36	47
Mali	41	57	52	48	40	47	56	50	43	34	33	29	51	42
Mauritania	113	117	105	93	148	118	99	114	97	68	84	115	115	98
Mauritius	34	84	63	42	24	13	21	17	38	36	36	37	51	35
Mozambique	14	71	74	100	79	78	67	55	57	61	46	11	45	64
Namibia	..	90	131	100	105	91	124	119	101	108	104	0	19	102
Niger	30	51	47	44	40	43	30	27	34	29	18	30	47	33
Nigeria	1	3	3	3	3	2	2	2	2	2	1	1	1	2
Rwanda	30	42	51	48	47	115	110	69	29	43	45	26	34	56
São Tomé and Príncipe	44	475	434	464	373	389	638	351	241	200	190	72	208	355
Senegal	47	112	85	87	63	79	80	68	48	55	58	45	84	68
Seychelles	337	513	325	268	269	174	172	248	221	308	163	242	338	259
Sierra Leone	28	15	25	32	48	63	46	40	25	22	15	16	23	32
Somalia	74	63	23	78	105	64	23	10	9	9	12	50	68	37
South Africa	..	..	..	..	7	8	10	9	12	12	13	..	..	10
Sudan	33	34	36	22	18	16	9	8	5	7	8	29	42	15
Swaziland	89	70	67	69	65	66	65	36	29	35	28	60	49	49
Tanzania	37	46	41	49	34	34	30	29	30	31	30	28	34	33
Togo	35	74	55	59	25	31	47	37	29	29	16	31	50	37
Uganda	9	41	39	42	34	40	43	34	40	31	27	7	20	36
Zambia	55	62	110	125	103	82	226	66	65	36	63	35	58	88
Zimbabwe	23	35	39	77	47	52	43	32	28	23	20	15	29	37
<b>NORTH AFRICA</b>	31	63	60	45	30	31	23	26	22	23	19	31	24	31
Algeria	10	10	13	15	13	15	11	11	9	13	3	8	8	11
Egypt, Arab Republic	34	104	94	66	43	47	35	37	33	32	25	44	34	47
Libya	5	4	6	1	1	1	1	2	1	1	1	3	2	2
Morocco	46	44	50	38	28	24	19	24	17	19	24	28	22	27
Tunisia	36	48	43	46	26	12	8	14	21	16	27	36	33	24
<b>ALL AFRICA</b>	23	42	40	38	30	32	29	25	22	21	19	19	27	28

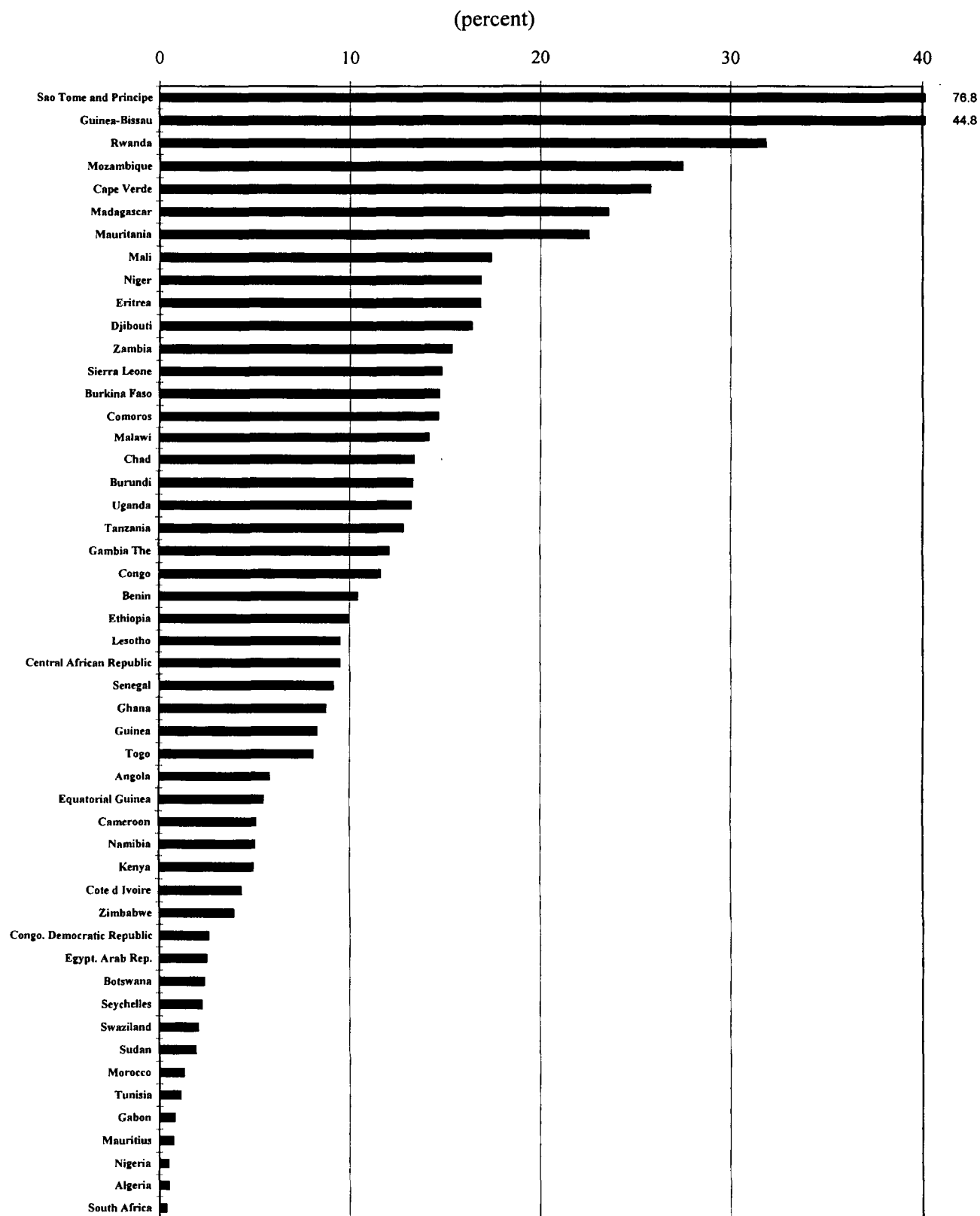
## 12-16. Net ODA per capita from DAC donors

	U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
SUB-SAHARAN AFRICA	12	23	21	22	18	18	17	15	13	13	12	10	17	16
excluding South Africa	12	23	21	22	19	19	18	16	13	13	12	10	17	16
excl. S. Africa & Nigeria	16	28	26	27	24	24	22	20	17	17	15	12	22	20
Angola	5	18	17	20	15	21	22	26	19	18	20	4	11	18
Benin	10	27	33	34	29	27	32	29	26	24	20	11	20	26
Botswana	92	95	79	69	58	40	37	45	36	47	26	69	87	49
Burkina Faso	22	27	30	29	27	27	25	26	21	21	21	16	22	23
Burundi	14	29	22	26	21	18	18	11	6	7	8	12	17	15
Cameroon	20	30	32	48	42	31	26	21	24	21	17	15	19	27
Cape Verde	135	222	228	226	224	219	201	197	168	205	207	95	188	197
Central African Republic	32	34	33	35	37	29	37	36	18	16	17	22	34	27
Chad	5	32	23	25	23	16	19	18	14	10	9	10	22	17
Comoros	40	71	69	51	62	37	44	44	30	35	24	45	69	42
Congo, Democratic Rep. of	12	17	9	4	2	2	3	2	2	2	2	8	10	4
Congo, Republic of	33	91	51	43	48	102	41	150	96	21	42	30	43	63
Côte d'Ivoire	19	45	36	42	54	61	52	31	16	32	24	13	18	36
Djibouti	114	171	156	167	166	161	132	116	100	98	86	125	138	124
Equatorial Guinea	5	124	98	97	73	42	54	57	42	42	33	14	66	60
Eritrea	..	..	..	..	14	27	26	35	21	25	20	..	..	22
Ethiopia	2	10	9	8	8	10	9	8	6	6	5	2	9	7
Gabon	71	132	142	64	93	151	124	101	26	32	29	61	91	81
Gambia, The	26	62	57	50	48	36	23	15	15	11	11	25	62	30
Ghana	10	18	29	21	19	20	21	20	16	20	19	7	14	19
Guinea	7	24	29	38	30	29	33	20	18	21	15	4	23	24
Guinea-Bissau	43	77	63	56	55	117	71	112	51	56	27	37	50	64
Kenya	17	31	25	21	17	15	17	13	11	10	9	15	22	16
Lesotho	47	50	42	38	40	24	32	25	22	16	12	32	39	28
Liberia	32	17	23	10	9	13	11	40	11	11	15	27	24	15
Madagascar	10	23	23	18	18	15	15	17	39	23	13	8	16	18
Malawi	12	25	24	23	17	26	23	26	17	19	21	10	17	21
Mali	20	37	32	27	24	26	30	30	25	23	22	16	32	25
Mauritania	35	53	53	54	89	57	54	41	39	25	34	29	62	46
Mauritius	26	72	58	32	24	7	10	-1	2	17	4	24	42	21
Mozambique	9	53	53	69	54	48	44	34	37	42	34	8	34	44
Namibia	..	29	69	69	84	75	96	86	76	77	69	0	12	68
Niger	19	33	33	32	30	30	21	17	18	14	11	18	30	22
Nigeria	0	2	2	1	1	0	1	0	0	0	0	0	1	1
Rwanda	19	26	33	26	27	78	53	37	23	26	22	16	20	33
São Tomé and Príncipe	14	270	204	214	226	205	466	213	153	128	132	22	83	208
Senegal	33	80	56	59	46	59	48	46	33	32	45	28	52	46
Seychelles	284	468	237	215	94	98	145	102	82	218	60	213	247	157
Sierra Leone	18	10	17	18	25	12	13	14	9	11	12	8	13	14
Somalia	24	35	14	59	81	52	15	5	5	5	8	16	44	25
South Africa	..	..	..	..	5	6	8	8	10	10	9	..	..	7
Sudan	15	17	15	7	6	7	5	4	3	5	5	11	22	7
Swaziland	58	47	39	33	39	31	42	22	17	17	15	39	31	27
Tanzania	28	33	29	30	23	20	20	20	18	24	19	21	26	22
Togo	20	44	34	36	20	16	29	23	17	15	10	18	29	22
Uganda	3	15	17	15	19	19	22	19	21	18	17	2	7	18
Zambia	41	53	73	85	60	50	49	38	39	27	34	27	46	48
Zimbabwe	16	30	36	52	29	26	30	24	19	18	18	11	25	26
NORTH AFRICA	19	37	46	37	22	25	19	20	15	15	13	16	21	23
Algeria	6	9	12	14	10	14	10	9	7	4	1	6	5	8
Egypt, Arab Republic	29	60	78	55	33	40	29	33	25	24	21	23	31	36
Libya	3	2	1	0	0	0	1	0	0	1	1	1	1	1
Morocco	10	25	25	29	17	12	13	15	8	9	12	10	16	15
Tunisia	25	26	32	35	15	8	6	5	8	11	11	25	23	14
ALL AFRICA	14	26	26	25	19	19	17	16	14	13	12	11	18	17



## 12-17. Net ODA per capita from multilateral donors

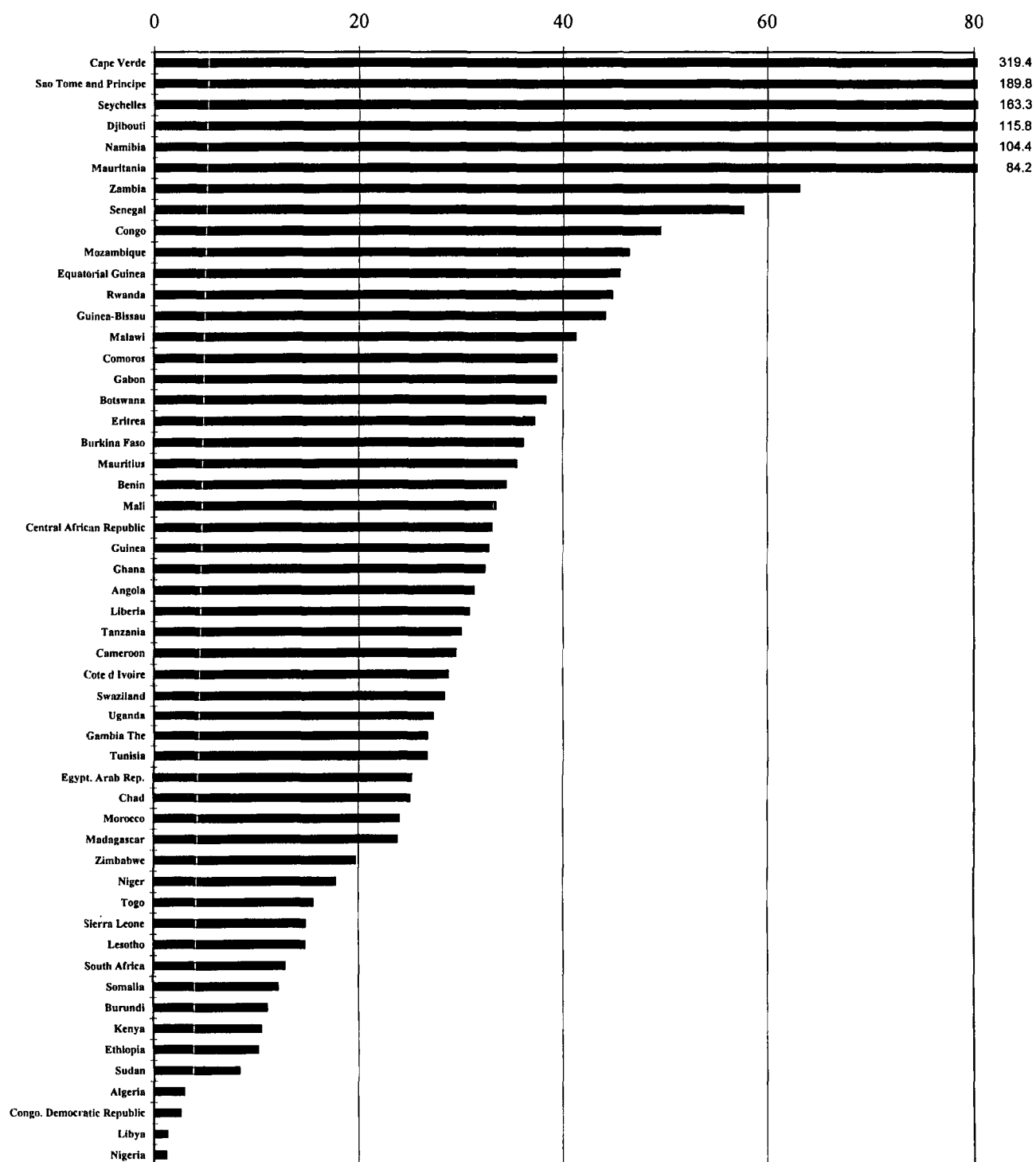
	U.S. dollars (current prices)											Annual Average		
	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	75-84	85-89	90-MR
<b>SUB-SAHARAN AFRICA</b>	7	13	13	15	12	14	14	10	8	8	7	5	9	11
excluding South Africa	7	13	13	15	13	15	15	11	9	8	7	5	9	11
excl S Africa & Nigeria	8	16	17	18	15	18	18	13	11	10	9	7	12	14
Angola	2	11	12	15	13	21	16	16	11	10	11	3	5	13
Benin	15	30	22	20	27	21	18	21	13	11	15	10	16	18
Botswana	25	21	20	15	31	20	24	6	45	23	13	19	27	20
Burkina Faso	9	9	15	18	22	17	23	14	14	16	14	7	9	15
Burundi	13	19	25	28	16	34	30	7	3	5	3	10	19	16
Cameroon	8	10	12	11	1	26	7	10	12	9	12	6	5	10
Cape Verde	81	93	73	111	98	106	105	93	107	108	113	46	84	94
Central African Republic	15	50	24	23	17	22	13	13	9	18	16	12	25	19
Chad	3	22	21	15	12	17	16	25	18	12	16	7	18	16
Comoros	40	34	75	55	43	44	41	34	23	31	15	45	50	37
Congo, Democratic Rep. of	4	5	3	3	2	3	2	1	1	1	1	3	6	2
Congo, Republic of	13	7	7	5	3	44	8	13	4	2	7	14	7	9
Côte d'Ivoire	7	13	16	18	4	57	35	36	14	20	5	4	7	20
Djibouti	31	34	41	39	52	39	37	35	30	27	29	30	44	34
Equatorial Guinea	37	48	58	70	66	34	30	18	15	15	13	17	50	35
Eritrea	..	..	..	..	5	14	14	8	7	10	12	..	..	9
Ethiopia	3	9	12	13	13	9	6	6	3	5	5	3	7	8
Gabon	10	6	3	4	3	18	8	13	10	7	11	8	10	9
Gambia, The	48	45	45	62	36	31	21	19	19	20	15	26	48	30
Ghana	6	20	28	18	19	13	17	17	11	18	13	5	19	16
Guinea	13	26	35	36	36	27	29	21	32	26	15	8	17	26
Guinea-Bissau	30	55	52	44	33	45	36	47	58	27	17	23	45	39
Kenya	7	19	13	15	19	11	10	9	5	7	2	4	8	10
Lesotho	23	33	29	41	37	37	27	26	20	17	3	20	27	25
Liberia	15	29	41	37	37	10	33	21	15	14	16	11	10	24
Madagascar	10	11	15	12	11	8	8	9	20	11	11	7	12	11
Malawi	11	34	36	41	36	23	22	23	17	22	20	8	18	25
Mali	16	18	19	21	16	22	28	20	18	11	11	11	17	17
Mauritania	23	52	51	43	61	66	52	77	63	45	48	32	38	54
Mauritius	8	12	7	11	-1	7	12	20	26	20	31	12	7	14
Mozambique	3	18	21	31	24	30	23	21	20	19	12	3	10	21
Namibia	..	61	62	31	21	16	28	32	26	31	36	..	6	34
Niger	11	18	13	13	10	13	9	10	14	14	6	9	17	11
Nigeria	0	1	1	1	2	1	1	1	1	1	1	0	0	1
Rwanda	11	14	18	22	20	36	57	32	6	17	23	9	14	23
São Tomé and Príncipe	30	206	230	250	146	184	172	137	88	72	58	50	125	147
Senegal	14	31	26	26	15	20	30	21	14	23	12	14	28	21
Seychelles	53	48	87	58	166	78	33	107	79	77	77	25	79	83
Sierra Leone	9	5	9	14	24	50	32	24	16	10	3	7	8	18
Somalia	28	18	9	17	23	12	8	6	4	4	4	19	23	10
South Africa	..	..	..	..	2	2	2	1	2	2	4	..	..	2
Sudan	10	16	20	13	11	9	4	4	2	2	2	8	13	8
Swaziland	31	23	28	32	22	33	20	11	11	14	14	21	17	20
Tanzania	7	13	12	19	11	14	10	9	12	7	11	6	8	11
Togo	15	30	21	24	5	15	18	15	12	14	5	13	20	15
Uganda	5	23	19	26	14	21	21	15	18	13	11	4	12	17
Zambia	11	9	37	41	42	32	178	28	26	10	29	6	12	40
Zimbabwe	7	4	3	25	18	26	13	8	10	5	2	4	4	10
<b>NORTH AFRICA</b>	4	2	6	4	5	5	3	5	6	6	5	5	2	5
Algeria	1	1	1	1	3	2	1	1	2	9	1	1	1	2
Egypt, Arab Republic	5	2	7	4	3	5	4	4	6	4	3	9	2	4
Libya	2	3	5	1	0	0	1	1	1	1	1	2	1	1
Morocco	3	4	6	6	11	11	5	9	8	9	11	2	1	8
Tunisia	4	10	11	12	13	6	5	13	16	8	17	4	7	11
<b>ALL AFRICA</b>	6	11	12	13	11	12	12	9	8	8	7	5	8	10

**Figure 12-1. Total net ODA as a share of recipient GDP, 1999\***

\* Or most recent year available.

**Figure 12-2. Total net ODA per capita, 1999\***

(U.S. dollars)



\* Or most recent year available.

## Technical notes

### Tables

**Table 12-1. Net ODA from all donors, nominal.** This table represents the total of Tables 12-2 through 12-4.

**Table 12-2. Net ODA from DAC donors, nominal.** This table (OECD data) includes net ODA from Australia, Austria, Belgium, Canada, Denmark, Finland, France, the Federal Republic of Germany before reunification, Italy, Japan, the Netherlands, Norway, Sweden, Switzerland, the United Kingdom, and the United States (OECD data). (Ireland and New Zealand have been excluded in compilation because their ODA to Africa is negligible.)

**Table 12-3. Net ODA from non-DAC bilateral donors, nominal.** This is net ODA from Organization of Petroleum Exporting Countries (OPEC), the former Council for Mutual Economic Assistance (CMEA) countries, and China (OECD data). OPEC countries are Algeria, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. The former CMEA countries are Bulgaria, Czechoslovakia, the former German Democratic Republic, Hungary, Poland, Romania, and the former Soviet Union.

**Table 12-4. Net ODA from multilateral donors, nominal.** This includes net ODA (OECD data), most notably from the African Development Fund, the European Development Fund for the Commission of the European Communities, the International Development Association (IDA), the International Fund for

Agricultural Development, Arab/OPEC-financed multilateral agencies, and UN programs and agencies (OECD data). The UN programs and agencies include mainly the UN regular program of Technical Assistance, the UN Development Programme (UNDP), the UN High Commissioner for Refugees, the UN Children's Fund (UNICEF), and the World Food Programme. Arab/OPEC-financed multilateral agencies include the Arab Bank for Economic Development in Africa, the Arab Fund for Economic and Social Development (AFESD), the Islamic Development Bank, the OPEC Fund for International Development, the Arab Authority for Agricultural Investment and Development, the Arab Fund for Technical Assistance to African and Arab Countries, and the Islamic Solidarity Fund. ODA flows from the IMF Trust Fund and Structural Adjustment Facility (SAF) are also included.

**Tables 12-5, 12-6, 12-7, and 12-8. Net ODA from all donors, from DAC donors, from non-DAC bilateral donors, and from multilateral donors, real.** These tables are obtained by deflating data in Tables 12-1 through 12-4 by the World Bank LIMIC import price deflator.

**Tables 12-9, 12-10, and 12-11. Net ODA from all donors, from DAC donors, and from multilateral donors as a share of recipient GDP.** These tables show the relative importance of these aid flows to recipients' economies. They are obtained by dividing figures in Tables 12-1, 12-2, and 12-4 by GDP data from Table 2-5, which reflect current prices and ex-

change rates. For a given level of aid flows, devaluation of a recipient's currency may inflate the ratios shown in the table. Thus, trends for a given country and comparisons across countries that have implemented different exchange rate policies should be interpreted carefully.

**Tables 12-12, 12-13, and 12-14. Net ODA from all donors, from DAC donors, and from multilateral donors as a share of recipient GDI.** These tables are obtained by dividing figures in Tables 12-1, 12-2, and 12-4 by GDI (World Bank country desks). These tables highlight the relative importance of the indicated aid flows in maintaining and increasing investment in these economies. The same caveats mentioned above apply to their interpretation. Furthermore, aid flows do not exclusively finance investment (for example, food aid finances consumption), and the share of ODA going to investment varies across countries.

**Tables 12-15, 12-16, and 12-17. Net ODA per capita from all donors, from DAC donors, and from multilateral donors.** These are calculated by dividing figures in Tables 12-1, 12-2, and 12-4 by midyear population (Table 1-2). These ratios offer some indication of the importance of aid flows in sustaining per capita income and consumption levels (shown in Tables 2-19 and 2-20, respectively), although comparisons must be done carefully because exchange rate fluctuations, the actual rise of ODA flows, and other factors vary across countries and over time.

## Figures

The following indicators have been used to derive the figures in this chapter.

**Figure 12-1.** Total net ODA as a share of recipient GDP (Table 12-9).

**Figure 12-2.** Total net ODA per capita (Table 12-15).

### Methodology used for regional aggregations and period averages in chapter 12

Table	Aggregations <sup>a</sup>		Period averages <sup>b</sup>	
	(1)	(2)	(1)	(2)
12-1	x		x	
12-2	x		x	
12-3	x		x	
12-4	x		x	
12-5	x			x
12-6	x			x
12-7	x			x
12-8	x			x
12-9		x	x	
12-10		x	x	
12-11		x	x	
12-12		x	x	
12-13		x	x	
12-14		x	x	
12-15		x	x	
12-16		x	x	
12-17		x	x	

*Note:* Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).

## Social Indicators

**T**his chapter provides indicators in the areas of demography, health, education, and gender issues in development. These indicators can be useful in evaluating and monitoring the social impact of development progress, aid flows, and structural adjustment policies.

The chapter presents such indicators as dependency ratio, urbanization, crude death rate, life expectancy at birth, infant mortality rate, child mortality rate, immunization rates for children, maternal death rate, and number of population per physician. These indicators are an indirect measure of the physical well being of the population. In the same vein, such indicators as literacy rate among adults, school enrollment ratios by gender, and pupil-teacher ratio give some picture of the progress being made in education and training. Social indicators refer to phenomena that are inherently more qualitative than macroeconomic variables and thus need to be interpreted cautiously. Further caution is called for because of the particular limitations of the data. One of these limitations is the paucity—or even nonexistence—of data on certain indicators in many of the countries covered. This is especially true of indicators dealing with gender issues. Many countries have no data showing the gender breakdown of several social indicators.

Even when data are available, comparison among countries is limited due to varied practices in data gathering and reporting. Often the countries report survey data that cover different portions of the nation. Sometimes surveys are limited to just the urban areas to cover only the largest cities or the capital city alone. This is especially true of the health indicators. Such indicators as immunization rates for children under one year of age, percentage of births attended by health personnel, infant mortality rate, child mortality rate, and maternal death rate are often based on surveys of a handful of hospitals in the urban areas.

Another source of limitation is the definition of terms, which may differ from country to country. Some countries, for example, consider an institution as a “private school” only if it receives no form of financial support from the government, while others classify as “private” all schools not run by the government, whether or not they receive financial support from the government. In like manner, some countries include personnel other than doctors and trained nurses in the term “medical personnel.”

Cultural norms may also affect the reported data. This is especially true for gender issues. In some countries, it is assumed that no woman can be the head of any household that also contains an adult male. In

population censuses, therefore, enumerators and respondents simply take such assumptions for granted, reporting a male rather than a female as head of the household or family (see United Nations, *The World's Women*, 1970–90). This distorts the true picture of the percentage of households headed by women.

The main source for this chapter is the *World Development Indicators* in the World Bank Statistical Information Management Analysis Database (SIMA), which contains electronic information as reported by

a number of institutions and agencies in the socioeconomic field, such as the United Nations, UNICEF, UNESCO, World Health Organization (WHO), the UNDP, UNAIDS, and the ECA. Other sources of data also include reports and publications on children, health, human development, education, and population from various agencies including the World Bank.

In this chapter, columns headed by a period (for example, 1995–99) show data for the latest available year within the period.



## 13-1. Age and gender structure of the population

	<i>Females as percentage of total population</i>		<i>Age groups as percentage of total population</i>						<i>Age dependency ratio</i>	
	1980	1997	1980			1999			1980	1999
			0-14	15-64	65+	0-14	15-64	65+		
<b>SUB-SAHARAN AFRICA</b>	50.2	50.5	45.1	51.3	2.9	44.2	52.8	2.8	0.9	0.9
excluding South Africa	50.2	50.4	45.6	50.9	2.8	45.0	52.1	2.7	1.0	0.9
excl. S Africa & Nigeria	50.1	50.3	45.4	50.8	2.9	45.2	51.8	2.8	1.0	0.9
Angola	50.9	50.6	44.6	52.4	3.0	47.5	49.6	2.9	0.9	1.0
Benin	50.7	50.7	45.1	50.8	4.1	46.1	51.0	2.8	1.0	1.0
Botswana	52.2	51.0	48.7	49.8	2.0	42.2	54.7	2.2	1.0	0.8
Burkina Faso	50.5	50.6	47.4	49.8	2.8	47.2	50.2	2.7	1.0	1.0
Burundi	51.9	51.0	44.7	51.8	3.5	46.1	52.4	2.5	0.9	0.9
Cameroon	50.6	50.3	44.3	52.0	3.6	44.2	52.6	3.5	0.9	0.9
Cape Verde	54.0	53.3	45.5	47.2	6.2	40.6	55.9	4.5	1.1	0.8
Central African Republic	..	51.4	41.7	54.4	4.0	42.6	53.7	3.5	0.8	0.9
Chad	50.8	50.5	41.9	54.5	3.6	50.6	46.2	3.1	0.8	1.2
Comoros	49.9	50.2	48.2	49.2	2.6	44.2	52.7	2.6	1.0	0.9
Congo, Democratic Rep. of	51.1	50.6	46.0	51.1	2.8	47.6	49.8	2.7	1.0	1.0
Congo, Republic of	51.2	51.1	45.0	51.5	3.4	46.2	50.8	3.0	0.9	1.0
Côte d'Ivoire	48.9	49.0	46.6	51.0	2.5	41.0	50.6	2.5	1.0	0.9
Djibouti	50.5	50.7	44.1	54.1	2.5	41.5	58.4	3.3	0.9	0.8
Equatorial Guinea	51.2	51.2	40.6	53.9	4.1	43.1	53.8	3.8	0.8	0.9
Eritrea	50.4	50.4	0.0	0.0	0.0	45.1	52.1	2.6	..	0.9
Ethiopia	50.6	49.8	44.6	52.5	2.9	46.5	50.7	2.6	0.9	1.0
Gabon	50.9	50.7	34.1	59.5	6.4	39.5	54.8	5.6	0.7	0.8
Gambia, The	50.7	50.6	42.6	54.4	3.0	42.6	54.0	3.0	0.8	0.8
Ghana	50.4	50.3	45.0	52.2	2.8	43.5	54.2	3.1	0.9	0.9
Guinea	50.1	49.7	45.8	51.6	2.6	45.0	52.3	2.6	0.9	0.9
Guinea-Bissau	50.9	50.8	39.0	57.2	4.0	42.7	52.9	3.9	0.8	0.9
Kenya	50.0	49.9	50.1	46.5	3.4	44.7	54.1	2.8	1.1	0.9
Lesotho	51.8	50.8	41.9	53.9	4.2	40.1	56.2	4.1	0.9	0.8
Liberia	49.5	49.6	44.3	52.0	3.6	45.0	52.9	2.7	0.9	0.9
Madagascar	50.7	50.2	44.4	51.7	4.0	45.2	51.8	3.0	0.9	0.9
Malawi	51.6	50.7	47.5	50.3	2.3	46.0	51.3	2.5	1.0	0.9
Mali	51.2	50.7	46.8	50.7	2.6	48.4	51.4	3.3	1.0	1.0
Mauritania	50.7	50.4	43.7	53.1	3.0	43.6	53.3	3.2	0.9	0.9
Mauritius	50.7	50.1	35.7	60.9	3.7	25.2	67.8	6.2	0.6	0.5
Mozambique	50.8	51.6	43.4	53.4	3.1	43.6	52.0	3.8	0.9	0.9
Namibia	50.6	50.2	43.2	53.4	3.7	41.7	54.4	3.6	0.9	0.8
Niger	50.8	50.6	46.8	50.8	2.5	48.8	48.7	2.4	1.0	1.1
Nigeria	50.6	50.7	46.1	51.2	2.6	44.5	53.5	2.5	1.0	0.9
Rwanda	50.6	50.6	48.7	48.8	2.4	42.8	52.0	1.8	1.0	0.9
São Tomé and Príncipe	..	50.0	0.0	0.0	0.0	38.9	55.2	6.6	..	0.8
Senegal	50.0	50.1	45.3	51.8	2.8	44.9	52.4	2.6	0.9	0.9
Seychelles	..	48.7	0.0	0.0	0.0	30.0	64.7	7.2	..	0.6
Sierra Leone	51.0	51.0	43.0	53.9	3.1	45.1	51.8	2.6	0.9	0.9
Somalia	50.6	50.4	46.7	50.3	2.9	47.9	49.7	2.4	1.0	1.0
South Africa	50.2	51.9	39.5	57.2	3.4	32.7	62.0	4.7	0.7	0.6
Sudan	49.9	49.8	44.9	52.4	2.7	39.3	57.7	3.2	0.9	0.7
Swaziland	50.9	52.1	45.9	51.3	2.9	42.2	54.6	2.7	1.0	0.8
Tanzania	50.8	50.5	47.6	50.1	2.3	45.5	51.9	2.4	1.0	0.9
Togo	50.7	50.5	44.6	52.4	3.2	45.5	51.1	2.9	0.9	0.9
Uganda	50.5	50.2	47.8	49.7	2.5	48.6	48.6	2.0	1.0	1.0
Zambia	51.1	50.4	49.4	48.2	2.4	45.5	52.0	2.2	1.1	0.9
Zimbabwe	50.4	50.4	47.9	49.5	2.6	39.5	53.8	2.6	1.0	0.8
<b>NORTH AFRICA</b>	49.5	49.4	42.2	53.9	3.9	35.1	61.0	4.4	0.9	0.6
Algeria	50.4	49.4	46.5	49.6	3.9	37.6	60.9	3.9	1.0	0.7
Egypt, Arab Republic	49.2	49.1	39.5	56.5	4.0	35.0	60.0	4.5	0.8	0.7
Libya	47.1	48.1	46.6	51.2	2.2	38.8	59.1	3.1	1.0	0.7
Morocco	49.9	50.0	43.2	52.7	4.1	33.2	62.9	4.3	0.9	0.6
Tunisia	49.3	49.5	41.6	54.6	3.8	31.8	63.1	5.7	0.8	0.6
<b>ALL AFRICA</b>	50.1	50.3	44.6	51.8	3.1	42.7	54.2	3.1	0.9	0.9

Note: Some age groups may not add up to 100 due to rounding up error.

## 13-2. Poverty

	GDP per capita, based on PPP, 1998	Percentage of population living under US\$ 1 a day, 1984-1999	National poverty headcount as % of population, 1984-1999	% of the population below 2/3 of national mean per capita income, 1991-1999		Gini coefficients, 1991-1997		Percentage of household income spent on food, 1991-1999
				Urban	Rural	Urban	Rural	
<b>SUB-SAHARAN AFRICA</b>	1,534	.		22	37	.	.	64
excluding South Africa	1,120			22	37			64
excl S Africa & Nigeria	1,174	.		22	37			64
Angola	1,334		..	..	..	..	..	..
Benin	1,276	..	33	..	..	..	..	..
Botswana	8,547	33	..	..	..	..	..	..
Burkina Faso	1,035	..	..	13	65	38	46	57
Burundi	636	..	36	..	..	..	..	..
Cameroon	1,929	..	40	..	..	..	..	55
Cape Verde	2,999	..	..	..	..	..	..	..
Central African Republic	1,320	..	..	33	77	51	63	60
Chad	..	..	64	..	..	..	..	..
Comoros	1,488	..	..	..	..	..	..	..
Congo, Democratic Rep. of	847	..	..	..	..	..	..	..
Congo, Republic of	1,641	..	..	..	..	..	..	..
Côte d'Ivoire	1,881	18	..	29	51	39	33	48
Djibouti	..	..	..	38	84	38	39	43
Equatorial Guinea	..	..	..	..	..	..	..	..
Eritrea	813	..	..	..	..	..	..	..
Ethiopia	517	..	..	21	50	56	40	72
Gabon	7,556	..	..	..	..	..	..	..
Gambia, The	1,459	..	64	21	73	43	35	60
Ghana	1,661	..	31	22	37	34	36	39
Guinea	1,838	26	40	18	57	..	..	56
Guinea-Bissau	810	88	49	30	65	55	56	..
Kenya	1,168	50	42	14	53	51	52	71
Lesotho	1,827	49	49	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..
Madagascar	927	72	70	21	57	..	..	70
Malawi	695	..	54	..	..	..	57	..
Mali	739	..	..	8	64	53	55	75
Mauritania	1,746	31	57	18	56	34	33	70
Mauritius	9,629	..	11	..	..	..	..	..
Mozambique	913	..	..	..	..	..	..	..
Namibia	4,932	..	..	..	..	..	..	..
Niger	842	62	63	14	55	39	31	60
Nigeria	922	31	34	32	52	44	46	67
Rwanda	696	46	51	..	..	..	..	..
São Tomé and Príncipe	1,536	..	..	..	..	..	..	..
Senegal	1,768	54	33	14	66	..	..	61
Seychelles	11,188	..	..	..	..	..	..	..
Sierra Leone	401	..	68	..	..	..	50	..
Somalia	..	..	..	..	..	..	..	..
South Africa	7,187	24	..	40	86	..	..	56
Sudan	1,640	..	..	..	..	..	..	..
Swaziland	3,313	..	..	36	70	..	..	65
Tanzania	513	11	51	20	51	..	..	70
Togo	1,421	..	32	..	..	..	..	..
Uganda	1,183	69	44	16	46	35	44	63
Zambia	910	85	86	28	70	40	46	64
Zimbabwe	2,325	41	26	..	..	..	..	..
<b>NORTH AFRICA</b>	3,668							
Algeria	4,510	2	23	..	..	..	..	..
Egypt, Arab Republic	3,120	8	23	..	..	..	..	..
Libya	..	..	..	..	..	..	..	..
Morocco	3,357	1	19	..	..	..	..	..
Tunisia	5,453	4	14	..	..	..	..	..
<b>ALL AFRICA</b>	1,905	.		22	37			64

### 13-3. Income distribution

	<i>Share of income held by population groups</i>			
	<i>Richest 10%</i>	<i>Richest 20%</i>	<i>Poorest 10%</i>	<i>Poorest 20%</i>
	<i>1986-97</i>	<i>1986-97</i>	<i>1986-97</i>	<i>1986-97</i>
<b>SUB-SAHARAN AFRICA</b>				
excluding South Africa				
excl. S. Africa & Nigeria				
Angola	..	..	..	..
Benin	..	..	..	..
Botswana	..	..	..	..
Burkina Faso	39.5	55.0	2.2	5.5
Burundi	26.6	41.6	3.4	7.9
Cameroon	..	..	..	..
Cape Verde	..	..	..	..
Central African Republic	47.7	65.0	0.7	2.0
Chad	..	..	..	..
Comoros	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..
Congo, Republic of	..	..	..	..
Côte d'Ivoire	28.8	44.3	3.1	7.1
Djibouti	29.9	45.4	2.3	6.3
Equatorial Guinea	..	..	..	..
Eritrea	..	..	..	..
Ethiopia	33.7	47.7	3.0	7.1
Gabon	..	..	..	..
Gambia, The	37.6	52.8	1.5	4.3
Ghana	26.1	41.7	3.6	8.4
Guinea	32.0	47.2	2.6	6.4
Guinea-Bissau	42.3	58.9	0.5	2.1
Kenya	34.9	50.2	1.8	5.0
Lesotho	43.4	60.1	0.9	2.8
Liberia	..	..	..	..
Madagascar	37.3	52.0	2.2	5.4
Malawi	..	..	..	..
Mali	40.4	56.2	1.8	4.6
Mauritania	28.4	44.1	2.5	6.4
Mauritius	..	..	..	..
Mozambique	31.7	46.5	2.5	6.5
Namibia	..	..	..	..
Niger	35.4	53.3	0.8	2.6
Nigeria	40.8	55.7	1.6	4.4
Rwanda	..	..	..	..
São Tomé and Príncipe	..	..	..	..
Senegal	33.5	48.2	2.6	6.4
Seychelles	..	..	..	..
Sierra Leone	43.6	63.4	0.5	1.1
Somalia	..	..	..	..
South Africa	45.9	64.8	1.1	2.9
Sudan	..	..	..	..
Swaziland	50.2	64.4	1.0	2.7
Tanzania	30.0	45.5	2.9	6.8
Togo	..	..	..	..
Uganda	29.8	44.9	3.0	7.1
Zambia	39.2	54.8	1.6	4.2
Zimbabwe	46.9	62.3	1.8	4.0
<b>NORTH AFRICA</b>				
Algeria	26.8	42.6	2.8	7.0
Egypt, Arab Republic	25.0	39.0	4.4	9.8
Libya	..	..	..	..
Morocco	30.5	46.3	2.8	6.6
Tunisia	31.8	47.9	2.3	5.7
<b>ALL AFRICA</b>				

## 13-4. Urbanization

	Total population (millions)			Average annual percentage growth of total population			Urban population as per- centage of total population			Average annual percentage growth of urban population		
	1980	1990	2000	1975-1979	1980-1990	1990-2000	1980	1990	2000	1975-1979	1980-1990	1990-2000
<b>SUB-SAHARAN AFRICA</b>	380.7	508.3	659.8	2.9	2.9	2.7	23.0	28.1	34.5	5.0	5.0	4.8
excluding South Africa	353.2	473.1	617.0	2.9	2.9	2.7	21.1	26.5	33.4	5.5	5.4	5.1
excl. S. Africa & Nigeria	282.0	376.9	490.1	2.9	2.9	2.7	19.6	24.4	30.6	5.4	5.2	5.1
Angola	7.0	9.2	12.7	2.7	2.7	3.3	20.9	27.6	34.2	6.1	5.7	5.5
Benin	3.5	4.7	6.3	2.7	3.2	2.9	27.3	34.5	42.3	7.5	5.7	5.0
Botswana	0.9	1.3	1.6	3.6	3.5	2.4	15.1	41.5	50.3	8.8	14.3	4.8
Burkina Faso	7.0	8.9	11.3	2.3	2.5	2.4	8.5	13.6	18.5	8.2	7.5	5.6
Burundi	4.1	5.5	6.8	2.1	2.8	2.3	4.3	6.3	9.0	8.4	6.9	6.0
Cameroon	8.7	11.5	15.1	2.8	2.9	2.8	31.4	40.3	48.9	6.4	5.5	4.8
Cape Verde	0.3	0.3	0.4	0.7	1.6	2.6	23.5	44.2	62.2	2.6	8.1	6.3
Central African Republic	2.3	2.9	3.6	2.3	2.4	2.1	35.1	37.5	41.2	3.4	3.1	3.0
Chad	4.5	5.7	7.7	2.0	2.6	3.0	18.8	21.1	23.8	6.2	3.8	4.2
Comoros	0.3	0.4	0.6	0.0	0.6	2.6	23.2	27.9	33.2	0.0	0.6	4.4
Congo, Democratic Rep. of	27.0	37.4	51.4	3.0	3.3	3.2	28.7	27.9	30.3	2.4	3.0	4.0
Congo, Republic of	1.7	2.2	2.9	2.9	2.9	2.8	41.0	53.4	62.5	6.1	5.7	4.5
Côte d'Ivoire	8.2	11.8	16.0	4.0	3.7	3.1	34.7	40.3	46.4	5.8	5.3	4.6
Djibouti	0.3	0.5	0.7	6.5	6.4	2.6	73.6	80.2	83.3	8.1	7.4	3.0
Equatorial Guinea	0.2	0.4	0.5	-2.7	5.3	2.5	27.4	35.7	48.2	-2.5	8.0	5.7
Eritrea	2.4	3.1	4.1	2.7	0.0	0.8	13.5	15.8	18.7	4.8	0.0	0.7
Ethiopia	37.7	51.2	64.3	2.7	3.0	2.3	10.5	13.4	17.6	4.8	5.5	5.1
Gabon	0.7	1.0	1.2	3.1	3.4	2.6	49.6	68.1	81.4	7.8	6.7	4.5
Gambia, The	0.6	0.9	1.3	3.3	3.6	3.5	19.6	25.7	32.5	6.2	6.4	5.9
Ghana	10.7	14.9	19.2	1.7	3.3	2.6	31.2	33.9	38.4	2.5	4.2	3.9
Guinea	4.5	5.8	7.4	1.3	2.5	2.6	19.1	25.7	32.8	4.7	5.6	5.2
Guinea-Bissau	0.8	1.0	1.2	5.1	2.1	2.2	16.9	20.0	23.7	6.4	3.9	4.0
Kenya	16.6	23.4	30.1	3.8	3.6	2.6	16.1	24.1	33.1	8.6	7.9	5.8
Lesotho	1.3	1.7	2.2	2.5	2.5	2.3	13.4	20.1	28.0	7.1	6.8	5.7
Liberia	1.9	2.4	3.1	3.1	2.7	2.5	35.0	42.0	44.9	6.1	4.7	3.2
Madagascar	8.9	11.6	15.5	2.6	2.7	2.9	18.3	23.5	29.6	5.3	5.3	5.4
Malawi	6.2	8.5	11.0	3.3	3.2	2.7	9.1	13.3	24.9	7.1	7.1	9.3
Mali	6.6	8.5	10.8	2.2	2.5	2.5	18.5	23.8	30.0	4.9	5.1	4.9
Mauritania	1.6	2.0	2.7	2.5	2.7	2.8	27.4	43.5	57.7	9.1	7.6	5.8
Mauritius	1.0	1.1	1.2	1.6	0.9	1.2	42.4	40.5	41.3	1.3	0.5	1.3
Mozambique	12.1	14.2	17.6	2.8	1.7	2.2	13.1	26.6	40.2	12.1	9.2	6.7
Namibia	1.0	1.4	1.7	2.7	2.7	2.6	22.8	26.6	30.9	4.8	4.4	4.1
Niger	5.6	7.7	10.8	3.1	3.3	3.5	12.6	16.1	20.6	6.9	5.9	6.0
Nigeria	71.1	96.2	126.9	3.0	3.1	2.9	26.9	35.0	44.0	6.0	5.8	5.3
Rwanda	5.2	7.0	8.5	3.3	3.1	1.8	4.7	5.3	6.2	6.9	4.4	3.3
São Tomé and Príncipe	0.1	0.1	0.1	1.2	2.5	2.6	30.7	38.9	46.7	4.0	5.0	4.5
Senegal	5.5	7.3	9.5	2.9	2.8	2.7	35.7	40.0	47.4	3.7	4.0	4.4
Seychelles	0.1	0.1	0.1	1.7	0.8	1.5	40.8	53.5	63.8	6.1	3.7	3.3
Sierra Leone	3.2	4.0	5.0	2.0	2.1	2.4	24.1	30.0	36.6	4.7	4.4	4.5
Somalia	5.9	7.8	9.7	7.5	2.5	2.1	22.2	24.2	27.5	8.4	3.4	3.3
South Africa	27.6	35.2	42.8	2.2	2.5	2.0	48.1	48.8	50.4	2.2	2.7	2.3
Sudan	18.7	24.1	29.7	3.1	2.6	2.1	20.0	26.6	36.1	4.6	5.4	5.3
Swaziland	0.6	0.8	1.0	3.2	3.1	3.2	17.8	23.8	26.4	8.7	6.3	4.2
Tanzania	18.6	25.5	33.7	3.1	3.2	2.9	14.8	20.8	32.9	11.6	6.9	7.7
Togo	2.6	3.5	4.7	2.7	3.0	2.9	22.9	28.5	33.3	9.7	5.5	4.5
Uganda	12.8	16.3	22.2	2.8	2.3	3.2	8.8	11.2	14.2	3.9	4.8	5.6
Zambia	5.7	7.8	10.1	3.4	3.1	2.7	39.8	39.4	39.6	6.3	3.1	2.7
Zimbabwe	7.0	9.7	12.6	2.8	3.4	2.8	22.3	28.4	35.3	5.6	5.9	4.5
<b>NORTH AFRICA</b>	88.4	114.1	138.0	2.6	2.6	2.0	44.6	49.2	53.9	3.5	3.6	2.9
Algeria	18.7	25.0	30.4	3.1	3.0	2.0	43.5	52.4	60.3	4.5	5.0	3.5
Egypt, Arab Republic	40.9	52.4	63.8	2.3	2.5	2.0	43.8	44.1	45.2	2.5	2.6	2.2
Libya	3.0	4.4	5.5	4.4	3.9	2.3	69.3	81.8	87.6	7.6	5.7	3.0
Morocco	19.4	24.0	28.7	2.3	2.2	1.8	41.1	48.2	56.1	4.1	3.8	3.4
Tunisia	6.4	8.2	9.6	2.5	2.5	1.7	51.5	57.9	65.5	3.4	3.7	2.9
<b>ALL AFRICA</b>	469.1	622.4	797.8	2.8	2.9	2.6	27.1	32.0	37.9	4.5	4.6	4.3

## 13-5. Components of population change

	Total fertility rate			Crude birth rate			Crude death rate		
	1982	1992	1999	1982	1992	1999	1982	1992	1999
<b>SUB-SAHARAN AFRICA</b>	6.6	5.9	5.3	46.8	43.0	39.8	17.1	15.4	16.2
excluding South Africa	6.9	6.1	5.5	47.7	43.9	40.7	17.5	15.9	16.4
excl. S. Africa & Nigeria	6.8	6.1	5.6	47.2	44.0	40.9	17.7	16.3	16.5
Angola	7.0	7.2	6.7	50.8	50.8	47.8	22.8	19.2	18.8
Benin	7.0	6.5	5.6	49.3	43.9	40.1	18.1	15.3	13.1
Botswana	6.0	4.8	4.1	44.1	36.8	32.6	9.5	8.0	18.4
Burkina Faso	7.5	6.9	6.6	46.9	47.3	43.9	19.9	18.3	19.1
Burundi	6.8	6.8	6.1	46.2	46.2	41.1	17.9	21.5	20.0
Cameroon	6.4	5.7	4.9	43.9	40.6	37.5	15.7	12.8	13.5
Cape Verde	6.1	5.2	3.8	38.4	36.0	35.5	11.3	7.6	6.0
Central African Republic	5.7	5.3	4.7	42.4	39.6	36.1	18.6	17.4	19.3
Chad	7.1	6.9	6.3	44.2	47.0	44.6	21.4	18.2	16.3
Comoros	7.2	5.2	4.4	45.5	37.0	33.7	16.8	10.2	8.5
Congo, Democratic Rep. of	6.7	6.7	6.2	47.9	46.2	45.3	15.2	14.7	14.5
Congo, Republic of	6.3	6.3	5.9	43.9	44.7	43.1	15.7	16.1	16.2
Côte d'Ivoire	7.4	5.7	4.9	50.1	38.9	36.6	16.0	14.9	16.6
Djibouti	6.6	5.8	5.2	44.2	39.0	36.7	19.1	16.2	17.0
Equatorial Guinea	5.8	5.9	5.3	43.3	43.5	40.0	21.1	18.0	15.8
Eritrea	7.5	6.5	5.6	..	42.4	39.1	..	16.4	12.7
Ethiopia	7.0	6.6	6.3	48.0	49.0	44.4	22.1	20.2	20.0
Gabon	4.5	5.2	5.1	33.1	36.6	35.9	18.1	16.1	15.7
Gambia, The	6.5	6.0	5.5	48.2	43.5	40.6	23.1	19.2	13.2
Ghana	6.5	5.3	4.3	45.0	36.6	30.0	13.1	10.2	10.3
Guinea	6.2	5.7	5.3	46.8	45.0	39.6	23.5	19.0	17.1
Guinea-Bissau	6.0	6.0	5.5	44.7	43.3	40.9	25.1	21.4	20.5
Kenya	7.7	5.2	4.5	49.7	36.1	34.7	12.1	9.4	12.9
Lesotho	5.3	5.0	4.5	38.9	36.4	33.8	13.8	11.3	12.8
Liberia	6.8	6.8	6.1	47.0	48.2	44.6	16.7	24.8	17.3
Madagascar	6.6	6.0	5.6	46.5	45.9	40.7	15.5	12.6	12.1
Malawi	7.6	6.7	6.3	53.5	50.2	45.9	21.6	22.1	23.8
Mali	7.1	..	6.4	49.0	51.1	46.2	21.6	18.8	19.4
Mauritania	6.1	5.9	5.3	42.3	42.6	39.1	18.5	14.7	13.0
Mauritius	2.5	2.3	2.0	22.2	20.4	17.3	6.0	6.7	6.8
Mozambique	6.5	6.3	5.2	45.7	44.9	40.4	20.1	18.6	20.1
Namibia	5.8	5.3	4.7	40.3	38.5	34.6	13.5	11.8	15.3
Niger	7.5	7.4	7.3	51.7	52.1	51.2	22.2	19.2	18.4
Nigeria	6.9	5.9	5.2	49.6	43.3	39.8	17.1	14.2	15.7
Rwanda	8.1	6.6	6.0	50.4	40.0	44.9	18.6	26.6	21.5
São Tomé and Príncipe	..	4.9	4.5	38.7	43.0	31.8	10.2	9.0	9.3
Senegal	6.7	6.0	5.4	45.5	40.0	38.5	17.7	13.0	12.6
Seychelles	3.5	2.7	2.1	24.1	22.9	18.2	7.4	7.2	7.1
Sierra Leone	6.5	6.5	5.9	48.9	49.1	45.1	28.5	29.8	25.1
Somalia	7.3	7.3	7.1	51.8	52.1	51.4	22.0	25.1	17.9
South Africa	4.2	3.2	2.9	35.5	31.2	26.3	11.1	8.8	14.1
Sudan	6.4	5.0	4.5	43.5	34.9	33.1	15.8	13.9	11.4
Swaziland	6.0	5.1	4.5	43.1	40.2	36.3	13.7	10.7	13.3
Tanzania	6.7	6.1	5.4	46.5	42.8	40.0	14.8	13.5	16.7
Togo	6.9	6.6	5.1	45.0	41.6	38.2	15.8	15.5	15.1
Uganda	7.3	6.9	6.4	49.1	50.2	46.3	17.6	18.2	19.4
Zambia	6.9	6.2	5.4	49.0	44.6	40.8	14.8	15.1	20.6
Zimbabwe	6.2	4.3	3.6	43.0	35.5	30.1	11.8	10.9	16.4
<b>NORTH AFRICA</b>	5.4	3.8	3.2	38.9	28.2	24.8	11.6	7.5	6.4
Algeria	6.3	4.0	3.4	40.6	28.2	25.3	10.7	6.0	5.6
Egypt, Arab Republic	5.1	3.8	3.3	39.1	28.5	25.5	12.7	8.6	6.9
Libya	7.2	4.2	3.6	45.6	28.8	28.4	10.9	5.2	4.5
Morocco	5.1	3.8	2.9	37.3	28.2	24.5	11.4	7.5	6.6
Tunisia	4.9	3.2	2.2	33.7	25.7	16.8	8.4	6.3	5.6
<b>ALL AFRICA</b>	6.4	5.5	4.9	45.3	40.3	37.2	16.0	14.0	14.5

## 13-6. Survival prospects

	<i>Life expectancy at birth (years)</i>		<i>Infant mortality (per thousand)</i>		<i>Mortality of children under 5 years (per thousand)</i>	<i>Maternal mortality (per 100,000 live births)</i>
	1982	1999	1982	1999	1999	1999 or MR available
<b>SUB-SAHARAN AFRICA</b>	48	47	111	92	159	844
excluding South Africa	48	47	114	94	163	902
excl. S. Africa & Nigeria	48	47	119	97	166	872
Angola	42	47	149	127	208	1,500
Benin	49	53	115	87	145	498
Botswana	59	39	67	58	95	250
Burkina Faso	45	45	129	105	210	930
Burundi	47	42	118	105	176	1,300
Cameroon	51	51	103	77	154	430
Cape Verde	62	69	84	39	50	55
Central African Republic	47	44	114	96	151	948
Chad	43	49	120	101	189	820
Comoros	50	61	106	61	86	950
Congo, Democratic Rep. of	50	46	109	85	161	870
Congo, Republic of	50	48	88	89	144	890
Côte d'Ivoire	50	46	105	111	180	810
Djibouti	45	47	132	109	177	570
Equatorial Guinea	44	51	138	104	170	820
Eritrea	44	50	91	60	105	1,000
Ethiopia	42	42	159	104	166	1,400
Gabon	49	53	112	84	133	500
Gambia, The	41	53	154	75	110	1,050
Ghana	54	58	90	57	109	740
Guinea	40	46	148	96	167	528
Guinea-Bissau	39	44	164	127	214	910
Kenya	56	48	66	76	118	590
Lesotho	54	45	117	92	141	610
Liberia	51	47	144	113	188	560
Madagascar	51	54	112	90	149	488
Malawi	45	39	163	132	227	620
Mali	43	50	180	120	223	580
Mauritania	47	54	117	88	142	800
Mauritius	67	71	28	19	23	120
Mozambique	44	43	133	131	203	1,500
Namibia	54	50	84	63	108	370
Niger	42	46	136	116	252	600
Nigeria	46	47	96	83	151	1,000
Rwanda	46	40	124	123	203	1,300
São Tomé and Príncipe	..	65	80	47	66	..
Senegal	46	52	112	67	124	510
Seychelles	69	72	19	9	15	..
Sierra Leone	35	37	189	168	283	800
Somalia	43	48	143	121	203	1,600
South Africa	58	48	63	62	76	230
Sudan	49	56	92	67	109	660
Swaziland	53	46	94	64	113	560
Tanzania	51	45	104	95	152	529
Togo	50	49	97	77	143	478
Uganda	48	42	116	88	162	550
Zambia	51	38	88	114	187	650
Zimbabwe	56	40	76	70	118	280
<b>NORTH AFRICA</b>	59	68	97	42	50	275
Algeria	60	71	88	34	39	160
Egypt, Arab Republic	57	67	112	47	54	170
Libya	62	71	60	22	28	220
Morocco	60	67	92	48	62	610
Tunisia	64	73	59	24	30	69
<b>ALL AFRICA</b>	50	51	109	87	147	734

## 13-7. HIV/AIDS estimates and data, end 1999

	Estimated number of people living with HIV/AIDS, end 1999					Orphans	Estimated AIDS deaths
	Adults and children	Adults (15-49)	Adult rate (%)	Women (15-49)	Children (0-14)	cumulative	Adults and Children
<b>SUB-SAHARAN AFRICA</b>	24,448,700	23,584,200	8.2	12,948,760	1,011,370	12,044,960	2,204,200
excluding South Africa	20,248,700	19,484,200	7.3	10,648,760	916,370	11,624,960	1,954,200
excl. S. Africa & Nigeria	17,548,700	16,884,200	7.8	9,248,760	796,370	10,224,960	1,704,200
Angola	160,000	150,000	2.8	82,000	7,900	98,000	15,000
Benin	70,000	67,000	2.4	37,000	3,000	22,000	5,600
Botswana	290,000	280,000	35.8	150,000	10,000	66,000	24,000
Burkina Faso	350,000	330,000	6.4	180,000	20,000	320,000	43,000
Burundi	360,000	340,000	11.3	190,000	19,000	230,000	39,000
Cameroon	540,000	520,000	7.7	290,000	22,000	270,000	52,000
Cape Verde	..	..	..	..	..	..	..
Central African Republic	240,000	230,000	13.8	130,000	8,900	99,000	23,000
Chad	92,000	88,000	2.7	49,000	4,000	68,000	10,000
Comoros	..	400	0.1	..	..	..	..
Congo, Democratic Rep. of	1,100,000	1,100,000	5.1	600,000	53,000	680,000	95,000
Congo, Republic of	86,000	82,000	6.4	45,000	4,000	53,000	8,600
Côte d'Ivoire	760,000	730,000	10.8	400,000	32,000	420,000	72,000
Djibouti	37,000	35,000	11.8	19,000	1,500	7,200	3,100
Equatorial Guinea	1,100	1,000	0.5	560	..	860	120
Eritrea	..	49,000	2.9	..	..	..	..
Ethiopia	3,000,000	2,900,000	10.6	1,600,000	150,000	1,200,000	280,000
Gabon	23,000	22,000	4.2	12,000	780	8,600	2,000
Gambia, The	13,000	12,000	2.0	6,600	520	9,600	1,400
Ghana	340,000	330,000	3.6	180,000	14,000	170,000	33,000
Guinea	55,000	52,000	1.5	29,000	2,700	30,000	5,600
Guinea-Bissau	14,000	13,000	2.5	7,300	560	6,100	1,300
Kenya	2,100,000	2,000,000	13.9	1,100,000	78,000	730,000	180,000
Lesotho	240,000	240,000	23.6	130,000	8,200	35,000	16,000
Liberia	39,000	37,000	2.8	21,000	2,000	31,000	4,500
Madagascar	11,000	10,000	0.1	5,800	450	2,600	870
Malawi	800,000	760,000	16.0	420,000	40,000	390,000	70,000
Mali	100,000	97,000	2.0	53,000	5,000	45,000	9,900
Mauritania	6,600	6,300	0.5	3,500	260	..	610
Mauritius	..	500	0.1	..	..	..	..
Mozambique	1,200,000	1,100,000	13.2	630,000	52,000	310,000	98,000
Namibia	160,000	150,000	19.5	85,000	6,600	67,000	18,000
Niger	64,000	61,000	1.4	34,000	3,300	31,000	6,500
Nigeria	2,700,000	2,600,000	5.1	1,400,000	120,000	1,400,000	250,000
Rwanda	400,000	370,000	11.2	210,000	22,000	270,000	40,000
São Tomé and Príncipe	..	..	..	..	..	..	..
Senegal	79,000	76,000	1.8	40,000	3,300	42,000	7,800
Seychelles	..	..	..	..	..	..	..
Sierra Leone	68,000	65,000	3.0	36,000	3,300	56,000	8,200
Somalia	..	..	..	..	..	..	..
South Africa	4,200,000	4,100,000	19.9	2,300,000	95,000	420,000	250,000
Sudan	..	140,000	1.0	..	..	..	..
Swaziland	130,000	120,000	25.2	67,000	3,800	12,000	7,100
Tanzania	1,300,000	1,200,000	8.1	670,000	59,000	1,100,000	140,000
Togo	130,000	120,000	6.0	66,000	6,300	95,000	14,000
Uganda	820,000	770,000	8.3	420,000	53,000	1,700,000	110,000
Zambia	870,000	830,000	19.9	450,000	40,000	650,000	99,000
Zimbabwe	1,500,000	1,400,000	25.1	800,000	56,000	900,000	160,000
<b>NORTH AFRICA</b>	..	27,700	0.04	..	..	..	..
Algeria	..	11,000	0.1	..	..	..	..
Egypt, Arab Republic	..	8,100	0.0	..	..	..	..
Libya	..	1,400	0.1	..	..	..	..
Morocco	..	5,000	0.0	..	..	..	..
Tunisia	..	2,200	0.0	..	..	..	..
<b>ALL AFRICA</b>	24,448,700	23,611,900	6.5	12,948,760	1,011,370	12,044,960	2,204,200

## 13-8. Immunization and ORT use

	Percentage of children (0-1 year) immunized against						ORT use among the under five (percent)
	DPT			Measles			
	1986	1994	1999	1986	1994	1999	
SUB-SAHARAN AFRICA	32	51	48	36	53	50	
excluding South Africa	30	51	47	35	53	48	50
excl. S. Africa & Nigeria	34	53	54	40	53	54	.
Angola	10	31	22	60	44	57	48
Benin	17	86	90	20	78	92	28
Botswana	65	78	85	64	71	74	64
Burkina Faso	34	41	34	64	45	29	15
Burundi	65	47	63	41	43	47	49
Cameroon	..	31	48	..	31	46	84
Cape Verde	54	..	69	59	..	61	5
Central African Republic	19	40	45	24	37	39	24
Chad	10	18	33	..	24	49	15
Comoros	24	58	75	26	..	67	70
Congo, Democratic Rep. of	39	29	25	39	33	15	46
Congo, Republic of	68	..	29	86	..	23	67
Côte d'Ivoire	30	41	60	..	47	59	16
Djibouti	26	57	23	19	59	23	56
Equatorial Guinea	3	..	81	17	..	82	40
Eritrea	..	36	56	..	..	55	..
Ethiopia	7	37	64	10	28	53	68
Gabon	48	48	31	58	50	30	25
Gambia, The	73	78	90	62	68	87	51
Ghana	15	48	72	31	49	73	44
Guinea	2	73	57	9	69	61	82
Guinea-Bissau	29	74	6	..	68	19	26
Kenya	72	50	79	65	47	79	69
Lesotho	73	58	64	72	82	58	78
Liberia	15	..	23	39	..	35	15
Madagascar	22	66	48	18	55	46	26
Malawi	70	98	81	65	99	79	50
Mali	3	39	52	5	46	57	41
Mauritania	11	50	19	40	53	56	54
Mauritius	86	89	85	75	85	79	..
Mozambique	32	55	81	39	65	90	60
Namibia	..	80	72	..	68	65	75
Niger	5	..	21	..	..	25	17
Nigeria	16	44	21	17	50	26	80
Rwanda	77	..	85	63	..	78	36
São Tomé and Príncipe	65	..	73	58	..	59	50
Senegal	..	57	52	..	50	48	27
Seychelles	94	96	99	95	92	99	..
Sierra Leone	..	41	56	..	44	68	60
Somalia	17	..	18	25	..	26	78
South Africa	70	..	76	64	..	82	..
Sudan	14	77	87	11	86	88	47
Swaziland	73	74	96	66	62	72	85
Tanzania	74	83	82	97	79	78	83
Togo	..	71	48	..	59	47	33
Uganda	21	79	51	32	79	53	45
Zambia	66	86	92	36	89	72	90
Zimbabwe	75	80	81	74	79	79	..
NORTH AFRICA	71	87	92	68	85	91	24
Algeria	..	75	83	..	69	78	27
Egypt, Arab Republic	80	92	95	78	92	96	34
Libya	53	..	97	52	..	93	80
Morocco	54	87	94	48	87	93	14
Tunisia	72	91	100	67	87	93	22
ALL AFRICA	38	57	54	41	57	55	48

Notes: ORT = Oral re-hydration therapy; DPT = diphtheria, pertussis (whooping cough), and tetanus.



## 13-9. Child malnutrition

	Percentage of children (1990-99)			Percentage of infants with low birth weight		Percentage of under-five (1990-99) suffering from moderate to severe		
	Exclusively breastfed, (0-3 months)	Breastfed, plus other food, (6-9 months)	Still breastfeeding, (20-23 months)	1988	1993-97	Underweight	Wasting	Stunting
<b>SUB-SAHARAN AFRICA</b>	30	63	47					
excluding South Africa	30	63	47					
excl S Africa & Nigeria	37	67	49					
Angola	12	70	49	..	..	41	6	53
Benin	15	97	65	8	9	29	14	25
Botswana	39	82	23	8	..	17	11	29
Burkina Faso	12	44	81	..	..	34	13	29
Burundi	89	66	73	..	16	..	9	43
Cameroon	7	77	35	..	..	22	6	29
Cape Verde	18	..	..	..	..	14	6	16
Central African Republic	23	93	52	15	..	23	7	34
Chad	2	81	62	..	..	39	..	40
Comoros	5	87	45	..	..	26	8	34
Congo, Democratic Rep. of	32	40	64	..	20	34	10	45
Congo, Republic of	43	95	27	..	..	..	..	..
Côte d'Ivoire	3	65	45	..	..	24	8	24
Djibouti	..	..	..	11	..	18	13	26
Equatorial Guinea	..	..	..	..	..	..	..	..
Eritrea	66	45	60	..	..	44	16	38
Ethiopia	74	..	35	..	9	48	8	64
Gabon	57	..	..	..	..	..	..	..
Gambia, The	..	8	58	..	..	26	6	14
Ghana	19	63	48	17	8	25	11	26
Guinea	52	..	15	25	13	23	12	29
Guinea-Bissau	..	..	..	..	..	..	5	..
Kenya	17	90	54	..	..	22	6	34
Lesotho	54	47	52	..	..	16	5	44
Liberia	15	17	25	..	..	..	..	..
Madagascar	61	93	49	10	15	40	7	48
Malawi	11	78	68	20	..	30	7	48
Mali	13	33	60	17	..	27	23	30
Mauritania	90	64	59	..	9	23	7	44
Mauritius	16	29	..	9	..	15	14	10
Mozambique	37	..	..	20	..	26	8	36
Namibia	22	65	23	..	..	26	9	29
Niger	1	67	52	..	..	50	21	41
Nigeria	2	52	43	20	..	39	9	43
Rwanda	90	68	85	..	..	27	4	42
São Tomé and Príncipe	..	..	..	..	..	..	..	26
Senegal	16	69	50	..	..	22	7	23
Seychelles	..	..	..	..	..	6	..	..
Sierra Leone	..	94	41	17	..	29	9	35
Somalia	..	..	..	..	16	..	..	30
South Africa	..	..	..	..	..	9	3	23
Sudan	14	45	44	15	15	34	17	34
Swaziland	37	51	20	..	..	..	..	..
Tanzania	41	93	53	13	..	29	7	43
Togo	15	25	99	20	..	25	..	34
Uganda	70	64	40	..	..	26	5	38
Zambia	27	88	43	..	..	24	4	42
Zimbabwe	16	93	26	..	11	16	6	21
<b>NORTH AFRICA</b>	45	34				14		
Algeria	48	29	21	9	..	13	9	18
Egypt, Arab Republic	53	37	..	..	..	11	5	30
Libya	..	..	..	..	..	5	3	15
Morocco	31	33	20	..	4	10	2	24
Tunisia	12	53	16	8	16	9	4	23
<b>ALL AFRICA</b>	32	59	45					

## 13-10. Access to sanitation facilities

	Percentage of population with access to sanitation facilities					
	1985-1990			1995-2000		
	Total	Urban	Rural	Total	Urban	Rural
<b>SUB-SAHARAN AFRICA</b>	55	79	47	55	81	41
excluding South Africa	55	79	47	53	79	39
excl S Africa & Nigeria	54	81	45	50	76	38
Angola	..	..	..	44	70	30
Benin	20	46	6	23	46	6
Botswana	61	84	44	..	..	..
Burkina Faso	24	88	14	29	88	16
Burundi	89	67	90	..	79	..
Cameroon	87	99	79	92	99	85
Cape Verde	..	..	..	71	95	32
Central African Republic	30	43	23	31	43	23
Chad	18	70	4	29	81	13
Comoros	98	98	98	98	98	98
Congo, Democratic Rep. of	..	..	..	20	53	6
Congo, Republic of	..	..	..	..	14	..
Côte d'Ivoire	49	78	30	..	..	..
Djibouti	..	..	..	91	99	50
Equatorial Guinea	..	..	..	53	60	46
Eritrea	..	..	..	13	66	1
Ethiopia	13	58	6	15	58	6
Gabon	50	..	..	21	25	4
Gambia, The	..	..	..	37	41	35
Ghana	60	59	61	63	62	64
Guinea	55	94	41	58	94	41
Guinea-Bissau	..	..	..	47	88	34
Kenya	84	94	81	86	96	81
Lesotho	..	..	..	92	93	92
Liberia	21	24	20	..	..	..
Madagascar	36	70	25	42	70	30
Malawi	73	96	70	77	96	70
Mali	70	95	62	69	93	58
Mauritania	30	44	19	33	44	19
Mauritius	100	100	100	99	100	99
Mozambique	..	..	..	43	69	26
Namibia	33	84	14	41	96	17
Niger	15	71	4	20	79	5
Nigeria	60	77	51	63	85	45
Rwanda	..	..	..	8	12	8
São Tomé and Príncipe	15	39	7	19	..	..
Senegal	57	86	38	70	94	48
Seychelles	99	..	..	98	..	..
Sierra Leone	..	..	..	28	23	31
Somalia	15	60	5	..	..	..
South Africa	..	..	..	86	99	73
Sudan	58	87	48	62	87	48
Swaziland	..	..	..	..	..	..
Tanzania	88	97	86	90	98	86
Togo	37	71	24	34	69	17
Uganda	84	96	82	75	96	72
Zambia	63	86	48	78	99	64
Zimbabwe	64	98	51	68	99	51
<b>NORTH AFRICA</b>	80	96	65	85	96	72
Algeria	..	..	..	73	90	47
Egypt, Arab Republic	87	96	80	94	98	91
Libya	97	97	96	97	97	96
Morocco	62	95	31	75	100	42
Tunisia	76	97	48	..	..	..
<b>ALL AFRICA</b>	60	84	49	60	85	45

## 13-11. Access to safe water

	Percentage of population with access to safe water					
	1980-1990			1990-1998		
	Total	Urban	Rural	Total	Urban	Rural
<b>SUB-SAHARAN AFRICA</b>	49	81	37	49	81	37
excluding South Africa	49	81	37	49	81	37
excl. S. Africa & Nigeria	49	83	38	49	83	38
Angola	..	..	..	32	69	15
Benin	14	45	9	50	41	53
Botswana	95	100	91	70	100	53
Burkina Faso	53	74	50	53	74	50
Burundi	65	94	63	52	92	49
Cameroon	52	76	36	52	76	36
Cape Verde	..	..	..	..	..	..
Central African Republic	59	80	46	59	80	46
Chad	..	27	30	24	48	17
Comoros	88	97	84	88	97	84
Congo, Democratic Rep. of	..	..	..	27	37	23
Congo, Republic of	..	42	7	..	50	8
Côte d'Ivoire	65	89	49	65	89	49
Djibouti	43	50	21	..	..	..
Equatorial Guinea	..	47	..	95	88	100
Eritrea	..	..	..	..	..	..
Ethiopia	22	77	13	22	77	13
Gabon	52	75	34	67	80	30
Gambia, The	45	100	33	76	..	..
Ghana	56	83	43	56	83	43
Guinea	45	72	36	45	72	36
Guinea-Bissau	31	21	37	53	38	57
Kenya	40	89	25	40	89	25
Lesotho	18	37	14	52	14	64
Liberia	37	50	25	30	58	8
Madagascar	44	85	31	44	85	31
Malawi	49	90	43	49	90	43
Mali	55	65	52	55	65	52
Mauritania	37	34	40	37	34	40
Mauritius	100	100	100	100	100	100
Mozambique	19	50	12	32	17	40
Namibia	72	98	63	72	98	63
Niger	53	65	51	53	65	51
Nigeria	49	78	33	49	78	33
Rwanda	..	55	60	..	..	44
São Tomé and Príncipe	52	100	61	60	100	61
Senegal	72	90	60	72	90	60
Seychelles	90	..	..	97	99	80
Sierra Leone	..	..	..	34	58	21
Somalia	31	60	20	37	..	..
South Africa	..	..	..	70	90	33
Sudan	67	86	60	67	86	60
Swaziland	33	..	..	43	41	44
Tanzania	50	80	42	50	80	42
Togo	51	82	38	51	82	38
Uganda	44	80	40	44	80	40
Zambia	52	88	28	52	88	28
Zimbabwe	77	99	68	77	99	64
<b>NORTH AFRICA</b>	86	94	79	86	94	79
Algeria	77	86	55	..	..	..
Egypt, Arab Republic	94	97	91	94	97	91
Libya	71	72	68	71	72	68
Morocco	75	94	58	75	94	58
Tunisia	80	94	61	80	94	61
<b>ALL AFRICA</b>	56	85	43	56	85	43

\*or most recent available data.

## 13-12. Health expenditure

	Public expenditure as % of GDP, 1990-97	Private expenditure as % of GDP, 1990-97	Total expenditure		
			as % of GDP, 1990-97	per capita, US\$, 1990-97	per capita PPP, international \$, 1990-97
<b>SUB-SAHARAN AFRICA</b>	2.3	3.0	5.3	43	87
excluding South Africa	1.6	2.4	3.9	25	42
excl. S Africa & Nigeria	1.8	2.5	4.3	25	49
Angola	3.9	..	..	..	..
Benin	1.4	1.6	3.0	11	27
Botswana	2.4	1.6	4.0	132	263
Burkina Faso	1.2	2.7	3.9	9	35
Burundi	0.6	2.7	3.3	5	19
Cameroon	1.0	4.0	5.0	31	77
Cape Verde	1.7	1.0	2.6	33	107
Central African Republic	2.0	0.9	2.8	8	31
Chad	2.5	0.6	3.1	7	26
Comoros	3.1	1.4	4.6	17	69
Congo, Democratic Rep. of	1.2	1.3	2.5	..	..
Congo, Republic of	1.8	3.1	4.9	42	50
Côte d'Ivoire	1.2	2.2	3.4	25	55
Djibouti	..	..	..	..	..
Equatorial Guinea	3.0	1.6	4.7	55	163
Eritrea	2.9	0.9	2.0	..	14
Ethiopia	1.4	2.4	3.8	4	24
Gabon	1.9	1.0	2.9	136	190
Gambia, The	1.6	1.9	3.4	12	51
Ghana	1.4	1.6	3.0	12	54
Guinea	2.1	1.5	3.6	20	67
Guinea-Bissau	1.1	..	..	..	..
Kenya	2.4	5.4	7.8	30	81
Lesotho	3.4	2.2	..	..	..
Liberia	..	..	..	..	..
Madagascar	1.1	1.0	2.1	5	17
Malawi	3.3	4.4	7.6	19	44
Mali	1.9	2.2	4.2	10	30
Mauritania	1.6	3.8	5.4	24	86
Mauritius	1.9	1.7	3.5	125	294
Mozambique	1.8	0.7	2.6	5	19
Namibia	4.0	3.7	7.6	152	411
Niger	1.4	1.6	2.9	6	21
Nigeria	0.7	1.7	2.3	27	19
Rwanda	2.1	2.1	4.3	10	34
São Tomé and Príncipe	6.1	..	..	..	..
Senegal	2.6	2.1	4.7	23	63
Seychelles	4.2	..	..	..	..
Sierra Leone	1.0	5.0	6.1	11	31
Somalia	..	..	..	..	..
South Africa	3.3	3.8	7.0	256	630
Sudan	0.7	2.7	3.4	126	48
Swaziland	2.5	0.9	3.4	47	138
Tanzania	1.1	1.9	3.0	7	14
Togo	1.1	1.5	2.6	9	38
Uganda	1.8	2.9	4.7	14	50
Zambia	3.4	2.6	6.1	25	48
Zimbabwe	2.9	3.7	6.6	49	186
<b>NORTH AFRICA</b>	1.7	2.3	4.1	54	140
Algeria	3.3	1.3	4.6	68	216
Egypt, Arab Republic	1.8	2.0	3.8	48	119
Libya	..	..	..	..	..
Morocco	1.3	2.7	4.0	49	134
Tunisia	2.2	3.1	5.4	111	298
<b>ALL AFRICA</b>	2.2	2.8	5.0	44	95

## 13-13. Health care

	Population per physician		Population per hospital bed		Percentage of births attended by trained health personnel	Percentage of population with access to health services
	1981	1990-1999	1981	1990-1998	1990-1999	1990-1995
<b>SUB-SAHARAN AFRICA</b>	..	..	..	1,305	..	..
excluding South Africa	..	..	..	1,305	..	..
excl. S. Africa & Nigeria	..	..	..	1,524	..	..
Angola	..	23,728	..	774	17	24
Benin	16,989	29,680	886	4,281	60	42
Botswana	7,451	5,147	..	635	..	..
Burkina Faso	55,744	..	..	706	27	..
Burundi	..	17,684	..	1,508	24	80
Cameroon	..	15,546	..	392	55	..
Cape Verde	..	4,267	..	631	..	..
Central African Republic	22,777	31,326	..	1,145	46	..
Chad	..	44,888	..	1,389	11	26
Comoros	..	11,108	..	362	52	..
Congo, Democratic Rep. of	..	20,160	..	701	45	59
Congo, Republic of	..	4,664	..	299	50	..
Côte d'Ivoire	..	15,241	..	1,250	47	..
Djibouti	4,291	7,711	266	394	..	..
Equatorial Guinea	..	4,472	..	..	5	..
Eritrea	..	53,019	..	..	21	..
Ethiopia	88,119	35,051	..	4,141	3	55
Gabon	2,189	4,319	..	313	80	..
Gambia, The	..	61,149	..	1,637	44	..
Ghana	..	..	..	685	44	25
Guinea	45,463	9,380	..	1,816	35	45
Guinea-Bissau	..	5,665	528	677	50	..
Kenya	10,095	27,672	..	602	44	..
Lesotho	..	28,446	..	..	50	..
Liberia	9,454	..	..	..	..	..
Madagascar	10,060	875	..	1,068	47	..
Malawi	53,913	35,939	..	746	55	..
Mali	25,987	15,993	..	4,167	24	..
Mauritania	..	15,734	..	1,503	58	..
Mauritius	1,813	1,158	..	325	97	99
Mozambique	36,970	..	..	1,153	44	..
Namibia	..	4,318	..	..	68	..
Niger	..	30,560	..	8,569	18	30
Nigeria	..	5,208	..	599	31	67
Rwanda	32,318	24,967	677	605	26	..
São Tomé and Príncipe	2,388	2,375	..	211	..	..
Senegal	12,687	23,098	..	2,489	47	40
Seychelles	..	969	..	..	..	99
Sierra Leone	18,975	..	..	..	..	..
Somalia	22,103	23,672	..	1,327	..	..
South Africa	..	1,602	..	..	84	..
Sudan	9,581	9,541	1,110	919	86	70
Swaziland	..	12,283	..	..	..	55
Tanzania	..	23,895	..	1,123	35	93
Togo	21,355	17,733	..	662	51	..
Uganda	21,405	24,973	661	1,092	38	..
Zambia	7,913	13,859	287	..	47	..
Zimbabwe	7,074	8,861	..	1,959	84	..
<b>NORTH AFRICA</b>	5,936	1,457	570	619	..	88
Algeria	..	1,271	..	476	77	..
Egypt, Arab Republic	733	1,573	483	476	56	99
Libya	611	1,146	207	233	94	100
Morocco	18,558	2,500	814	1,020	40	62
Tunisia	3,642	1,428	..	588	82	90
<b>ALL AFRICA</b>	..	..	..	1,133	..	..

## 13-14. Illiteracy rate

	Percentage of population 15 years of age and above that is illiterate								
	1985			1990			1999		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>SUB-SAHARAN AFRICA</b>	56	45	66	50	40	60	39	31	47
excluding South Africa	59	48	70	53	42	63	42	33	50
excl S. Africa & Nigeria	59	48	70	53	43	64	43	34	52
Angola	..	..	..	..	..	..	..	..	..
Benin	77	66	87	72	59	84	61	45	76
Botswana	37	38	35	32	34	30	24	26	21
Burkina Faso	87	79	94	84	75	92	77	67	87
Burundi	66	53	78	62	50	73	53	44	61
Cameroon	45	34	56	37	28	46	25	19	31
Cape Verde	43	29	53	36	24	46	26	16	35
Central African Republic	72	58	85	67	53	79	55	41	67
Chad	78	69	87	72	63	81	59	50	68
Comoros	49	41	57	46	39	54	41	34	48
Congo, Democratic Rep. of	59	45	73	52	38	66	40	28	51
Congo, Republic of	41	29	52	33	23	42	21	13	27
Côte d'Ivoire	72	62	82	66	56	77	54	46	63
Djibouti	53	38	68	47	33	60	37	25	47
Equatorial Guinea	33	18	48	27	14	39	18	8	27
Eritrea	62	46	77	57	42	72	47	33	61
Ethiopia	76	68	85	72	64	80	63	57	68
Gabon	..	..	..	..	..	..	..	..	..
Gambia, The	80	74	85	74	68	80	64	57	72
Ghana	49	36	61	42	30	53	30	21	39
Guinea	..	..	..	..	..	..	..	..	..
Guinea-Bissau	76	61	91	72	54	89	62	42	82
Kenya	36	24	48	29	19	39	19	12	25
Lesotho	25	39	13	22	35	11	17	28	7
Liberia	67	51	82	61	45	77	47	31	63
Madagascar	47	38	56	42	34	50	34	27	41
Malawi	52	34	68	48	31	64	41	26	55
Mali	81	74	87	74	67	81	60	53	67
Mauritania	66	56	76	64	53	74	58	48	69
Mauritius	23	17	29	20	15	25	16	12	19
Mozambique	71	56	86	67	51	82	57	41	72
Namibia	29	26	33	25	23	28	19	18	20
Niger	90	84	96	89	82	95	85	77	92
Nigeria	59	48	70	51	41	62	37	29	46
Rwanda	53	43	64	47	37	56	34	27	41
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..
Senegal	76	66	85	72	62	81	64	54	73
Seychelles	..	..	..	..	..	..	..	..	..
Sierra Leone	..	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..	..
South Africa	21	20	22	19	18	20	15	14	16
Sudan	60	44	75	54	39	68	43	31	55
Swaziland	34	32	36	28	26	30	21	20	22
Tanzania	43	28	57	36	23	49	25	16	34
Togo	59	42	76	54	36	71	44	26	60
Uganda	49	35	63	44	31	57	34	23	45
Zambia	37	25	48	32	22	41	23	15	30
Zimbabwe	24	17	31	19	13	25	12	8	16
<b>NORTH AFRICA</b>	57	43	71	52	38	65	42	30	54
Algeria	53	39	68	46	32	59	33	23	44
Egypt, Arab Republic	57	43	71	53	40	66	45	34	57
Libya	39	22	59	32	17	49	21	10	33
Morocco	67	53	80	61	47	75	52	39	65
Tunisia	47	34	61	41	28	54	30	20	41
<b>ALL AFRICA</b>	56	45	67	50	40	61	40	31	49

## 13-15. Primary school gross enrollment ratio

	Total			Males			Females		
	1980	1990	1994-97	1980	1990	1994-97	1980	1990	1994-97
<b>SUB-SAHARAN AFRICA</b>	81	76	78	88	83	85	67	68	71
excluding South Africa	80	72	74	88	80	81	67	64	66
excl. S. Africa & Nigeria	72	67	67	79	73	73	60	59	59
Angola	175	92	..	..	96	..	..	88	..
Benin	67	58	78	91	78	98	43	39	57
Botswana	91	113	108	83	109	107	100	117	108
Burkina Faso	18	33	40	22	41	48	13	26	31
Burundi	26	73	51	32	79	55	21	66	46
Cameroon	98	101	85	107	109	93	90	93	84
Cape Verde	114	121	148	119	..	150	110	..	147
Central African Republic	71	65	..	92	80	..	51	51	..
Chad	..	54	58	..	75	76	..	34	39
Comoros	86	75	75	100	87	..	72	63	..
Congo, Democratic Rep. of	92	70	72	108	81	86	77	60	59
Congo, Republic of	141	133	114	148	141	120	135	124	109
Côte d'Ivoire	75	67	71	90	79	82	60	56	61
Djibouti	37	38	39	..	45	45	..	32	33
Equatorial Guinea	160	..	..	..	..	..	..	..	..
Eritrea	..	..	53	..	..	59	..	..	48
Ethiopia	37	33	43	48	39	55	27	26	31
Gabon	174	..	162	178	..	163	171	..	161
Gambia, The	53	64	77	70	76	87	36	52	67
Ghana	79	75	79	88	82	84	71	68	74
Guinea	36	37	54	48	50	68	25	24	41
Guinea-Bissau	68	..	62	94	..	79	43	..	45
Kenya	115	95	85	120	97	85	110	93	85
Lesotho	104	112	108	85	100	102	122	123	114
Liberia	48	..	..	61	..	..	35	..	..
Madagascar	130	103	92	131	103	92	129	103	91
Malawi	60	68	134	72	74	140	49	62	127
Mali	26	27	49	34	34	58	19	19	40
Mauritania	37	49	79	48	56	84	26	41	75
Mauritius	93	109	106	94	109	106	91	110	106
Mozambique	99	67	60	115	77	70	84	57	50
Namibia	..	129	131	..	123	129	..	135	132
Niger	25	29	29	33	37	36	18	21	23
Nigeria	109	91	98	123	104	109	95	79	87
Rwanda	63	70	..	66	70	..	60	69	..
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..
Senegal	46	59	71	56	68	78	37	50	65
Seychelles	..	..	..	..	..	..	..	..	..
Sierra Leone	52	50	..	61	60	..	43	41	..
Somalia	22	..	..	28	..	..	15	..	..
South Africa	90	122	133	..	123	135	..	121	131
Sudan	50	53	51	59	60	55	41	45	47
Swaziland	103	111	117	104	114	120	102	109	114
Tanzania	93	70	67	99	70	67	86	69	66
Togo	118	109	120	144	132	140	93	87	99
Uganda	50	75	74	56	83	81	43	66	68
Zambia	90	99	89	98	..	91	83	..	86
Zimbabwe	85	116	112	..	117	115	..	115	111
<b>NORTH AFRICA</b>	84	91	100	97	100	107	69	83	93
Algeria	95	100	108	108	108	113	81	92	102
Egypt, Arab Republic	73	94	101	84	101	108	61	86	94
Libya	125	105	..	129	109	..	121	102	..
Morocco	83	67	86	102	79	97	63	54	74
Tunisia	102	113	118	117	120	122	87	107	114
<b>ALL AFRICA</b>	81	79	80	90	86	86	68	71	73

## 13-16. Pupil progression

	Percentage of cohort reaching grade 5 (1992-96)			Progression to secondary school 1993		
	Total	Male	Female	Total	Male	Female
<b>SUB-SAHARAN AFRICA</b>						
excluding South Africa						
excl S Africa & Nigeria						
Angola	..	..	..	..	..	..
Benin	61	64	57	..	..	..
Botswana	90	87	93	84	84	85
Burkina Faso	75	74	77	27	27	27
Burundi	..	..	..	11	12	11
Cameroon	..	..	..	..	..	..
Cape Verde	..	..	..	..	..	..
Central African Republic	..	..	..	..	..	..
Chad	59	62	53	47	..	..
Comoros	79	..	..	39	..	..
Congo, Democratic Rep. of	64	73	54	27	25	30
Congo, Republic of	55	40	78	..	..	..
Côte d'Ivoire	75	77	71	33	..	..
Djibouti	79	..	..	38	..	..
Equatorial Guinea	..	..	..	..	..	..
Eritrea	70	73	67	80	85	74
Ethiopia	51	51	50	80	82	77
Gabon	59	58	61	..	..	..
Gambia, The	80	78	83	..	..	..
Ghana	..	..	..	..	..	..
Guinea	54	85	68	50	51	47
Guinea-Bissau	..	..	..	..	..	..
Kenya	..	..	..	41	..	..
Lesotho	63	55	71	71	..	..
Liberia	..	..	..	..	..	..
Madagascar	40	49	33	35	35	35
Malawi	34	36	32	15	..	..
Mali	84	92	70	63	64	60
Mauritania	64	61	68	32	34	28
Mauritius	99	98	99	51	49	54
Mozambique	46	52	39	39	39	39
Namibia	86	80	84	74	76	72
Niger	73	72	73	..	..	..
Nigeria	..	..	..	52	..	..
Rwanda	..	..	..	15	..	..
São Tomé and Príncipe	..	..	..	..	..	..
Senegal	87	89	85	..	..	..
Seychelles	100	98	99	100	..	..
Sierra Leone	..	..	..	..	..	..
Somalia	..	..	..	..	..	..
South Africa	..	..	..	90	87	91
Sudan	74	75	73	61	..	..
Swaziland	76	73	79	79	79	79
Tanzania	81	78	84	12	..	..
Togo	71	79	60	38	40	35
Uganda	..	..	..	32	..	..
Zambia	..	..	..	..	..	..
Zimbabwe	79	78	79	66	..	..
<b>NORTH AFRICA</b>						
Algeria	94	93	95	80	77	82
Egypt, Arab Republic	..	..	..	83	82	85
Libya	..	..	..	..	..	..
Morocco	75	76	74	81	79	84
Tunisia	91	90	92	62	62	63
<b>ALL AFRICA</b>						

Notes. In Seychelles a policy of automatic promotion is practiced at the primary level of education. Tanzanian figures refer to mainland only.





## 13-18. Number of school teachers

	Primary						Secondary					
	Total teaching staff			Percentage females			Total teaching staff			Percentage females		
	1980	1981-90	1994-99	1980	1981-90	1994-99	1980	1990	1994-99	1980	1990	1994-99
<b>SUB-SAHARAN AFRICA</b>				30	34	40						
excluding South Africa				30	34	40						
excl S. Africa & Nigena				28	31	34						
Angola	..	31,953	31,878	..	..	..	..	..	..	..	..	..
Benin	7,994	13,693	16,043	23	25	23	..	..	..	..	..	..
Botswana	5,316	8,956	11,454	72	80	77	1,137	3,716	6,670	37	40	43
Burkina Faso	3,700	8,572	16,724	20	27	24	..	..	..	..	..	..
Burundi	4,805	9,049	12,156	47	46	52	..	2,026	..	..	21	..
Cameroon	26,763	37,804	39,084	20	30	34	8,926	19,820	..	..	..	..
Cape Verde	1,436	2,028	3,219	..	60	62	184	..	..	..	..	..
Central African Republic	4,130	3,581	..	25	26	..	724	..	..	16	..	..
Chad	..	7,327	11,641	..	6	9	..	..	3,238	..	..	5
Comoros	1,292	1,900	1,508	7	21	..	449	..	..	20	..	..
Congo, Democratic Rep. of	..	113,468	121,054	..	..	22	..	..	..	..	..	..
Congo, Republic of	7,186	7,639	7,060	25	33	36	5,117	6,851	7,173	..	..	16
Côte d'Ivoire	26,460	38,722	40,529	15	19	21	..	..	..	..	..	..
Djibouti	419	711	1,096	..	..	30	278	..	628	..	..	..
Equatorial Guinea	647	664	1,381	..	..	27	..	..	..	..	..	..
Eritrea	..	3,035	5,476	..	46	36	..	..	2,071	..	..	14
Ethiopia	33,322	65,450	109,487	22	24	27	..	23,319	13,109	..	10	8
Gabon	3,441	4,289	4,605	27	36	41	1,587	..	3,094	24	..	18
Gambia, The	1,932	2,504	4,312	32	32	29	620	756	1,547	25	..	17
Ghana	47,921	62,859	71,340	42	37	36	31,636	..	..	21	..	..
Guinea	7,165	8,113	15,512	14	22	25	..	5,976	6,063	..	12	11
Guinea-Bissau	3,257	3,065	..	24	22	..	462	..	..	21	..	..
Kenya	102,489	172,117	192,306	..	37	42	17,081	..	..	..	..	..
Lesotho	5,097	6,448	8,089	75	80	79	1,299	..	3,158	..	..	52
Liberia	..	..	..	..	..	..	..	..	..	..	..	..
Madagascar	39,474	37,932	40,591	..	53	47	..	..	21,670	..	..	43
Malawi	12,540	20,580	49,138	..	34	39	953	..	3,172	..	..	1
Mali	6,862	8,405	10,853	20	24	23	..	5,748	..	..	14	..
Mauritania	2,183	3,497	7,366	9	16	24	..	..	2,067	..	..	8
Mauritius	6,379	6,507	5,065	43	44	53	..	..	5,090	..	..	46
Mozambique	17,030	23,107	24,575	22	22	23	..	4,657	5,615	..	..	17
Namibia	..	..	..	..	..	..	..	..	..	..	..	..
Niger	5,518	8,462	11,545	30	32	32	1,284	2,775	3,521	21	18	20
Nigeria	343,551	331,915	416,745	34	43	48	41,581	141,377	152,596	29	33	36
Rwanda	11,912	18,524	..	38	46	..	1,454	2,802	..	16	20	..
São Tomé and Príncipe	588	559	..	..	52	..	..	..	..	..	..	..
Senegal	9,175	11,859	21,277	24	26	22	4,302	..	..	..	..	..
Seychelles	658	781	577	80	82	88	127	328	689	37	..	50
Sierra Leone	9,528	11,280	..	..	29	..	..	5,969	..	..	18	..
Somalia	8,122	10,338	..	29	45	..	2,089	..	..	7	..	..
South Africa	160,286	182,654	181,668	..	..	73	..	..	..	..	..	..
Sudan	43,451	50,389	102,987	31	44	62	18,831	33,628	15,504	..	35	45
Swaziland	3,278	5,083	6,195	79	79	75	..	..	3,173	..	..	44
Tanzania	81,386	96,850	110,186	37	41	44	3,837	7,944	12,751	..	24	26
Togo	9,201	10,739	19,512	21	19	12	..	4,492	5,389	..	12	12
Uganda	38,422	84,149	82,745	30	30	32	3,833	..	..	..	..	..
Zambia	21,455	33,200	38,528	40	45	43	4,882	..	..	..	..	..
Zimbabwe	28,118	59,154	64,538	..	39	44	3,782	24,547	28,254	..	29	36
<b>NORTH AFRICA</b>				..	45	48						39
Algeria	88,481	144,945	170,956	37	40	45	41,137	127,024	151,948	..	39	45
Egypt, Arab Republic	..	261,613	310,116	..	51	52	121,999	286,797	424,586	31	..	39
Libya	36,591	63,122	..	47	56	..	24,323	..	..	24	..	..
Morocco	56,908	86,588	117,481	30	36	38	36,526	79,657	84,202	..	29	32
Tunisia	27,375	46,366	60,220	29	43	49	14,328	33,058	41,328	29	32	34
<b>ALL AFRICA</b>				30	37	42						

Note: Figures include both part-time and full-time teachers.

## 13-19. Pupil/teacher ratio

	Number of pupils per teacher					
	Primary			Secondary		
	1980	1985	1994-99	1980	1990	1994-99
<b>SUB-SAHARAN AFRICA</b>		38	39			
excluding South Africa	..	38	38	..	..	..
excl S Africa & Nigeria	42	38	40	..	..	..
Angola	..	33	29	..	..	..
Benin	48	31	53	..	..	..
Botswana	32	32	28	18	17	17
Burkina Faso	54	55	47	..	..	..
Burundi	37	66	55	..	22	..
Cameroon	52	51	52	26	25	..
Cape Verde	40	33	29	..	..	..
Central African Republic	60	90	..	..	..	..
Chad	..	67	68	..	..	35
Comoros	46	35	52	..	..	..
Congo, Democratic Rep. of	..	37	45	..	..	..
Congo, Republic of	54	64	70	..	27	30
Côte d'Ivoire	39	36	41	..	..	..
Djibouti	40	44	34	..	..	19
Equatorial Guinea	..	..	55	..	..	..
Eritrea	..	38	44	..	..	43
Ethiopia	64	41	47	..	37	36
Gabon	45	48	56	..	..	26
Gambia, The	24	28	33	..	27	21
Ghana	30	26	33	..	..	..
Guinea	36	38	47	..	14	26
Guinea-Bissau	23	25	..	10	..	..
Kenya	38	31	31	..	..	..
Lesotho	48	55	46	19	..	23
Liberia	..	..	..	..	..	..
Madagascar	38	40	47	..	..	16
Malawi	65	64	59	..	..	45
Mali	42	45	80	..	15	..
Mauritania	41	44	47	..	..	25
Mauritius	20	21	26	..	..	19
Mozambique	..	55	58	..	34	33
Namibia	..	..	..	..	..	..
Niger	41	41	42	30	28	28
Nigeria	..	41	34	..	21	29
Rwanda	59	57	..	..	25	..
São Tomé and Príncipe	28	35	..	..	..	..
Senegal	46	58	49	..	..	..
Seychelles	22	19	17	..	13	13
Sierra Leone	..	..	..	..	17	..
Somalia	33	19	..	21	..	..
South Africa	..	..	45	..	..	..
Sudan	34	35	29	..	22	26
Swaziland	34	33	34	..	..	19
Tanzania	41	35	37	..	21	17
Togo	55	56	46	..	28	31
Uganda	..	29	35	..	..	..
Zambia	49	44	39	..	..	..
Zimbabwe	44	36	39	..	27	27
<b>NORTH AFRICA</b>		23	25	..	18	16
Algeria	35	28	27	25	17	17
Egypt, Arab Republic	..	20	24	..	19	16
Libya	18	16	..	12	..	..
Morocco	38	25	28	22	15	17
Tunisia	39	30	25	20	17	19
<b>ALL AFRICA</b>		35	34			

Note: Figures include both part-time and full-time teachers.

## 13-20. Secondary school gross enrollment ratio

	Total			Males			Females		
	1980	1990	1994-97	1980	1990	1994-97	1980	1990	1994-97
SUB-SAHARAN AFRICA	15	23	27	20	26	29	10	21	24
excluding South Africa	15	19	21	20	23	25	10	16	18
excl S Africa & Nigeria	14	17	17	19	21	20	10	14	14
Angola	21	12	..	..	..	..	..	..	..
Benin	16	12	17	24	17	26	8	7	11
Botswana	19	43	65	17	41	62	21	45	68
Burkina Faso	3	7	..	4	9	..	2	5	..
Burundi	3	6	7	4	7	..	2	4	..
Cameroon	18	28	27	24	33	32	13	23	22
Cape Verde	8	21	..	9	..	54	7	..	56
Central African Republic	14	12	..	21	17	..	7	7	..
Chad	..	8	10	..	13	15	..	3	4
Comoros	22	18	21	30	21	24	15	14	19
Congo, Democratic Rep. of	24	..	26	35	..	32	13	..	19
Congo, Republic of	74	53	53	89	63	62	60	44	45
Côte d'Ivoire	19	22	24	26	30	34	11	14	16
Djibouti	12	12	14	15	14	17	9	9	12
Equatorial Guinea	..	..	..	..	..	..	..	..	..
Eritrea	..	..	20	..	..	24	..	..	17
Ethiopia	9	14	12	12	16	14	7	13	10
Gabon	..	..	..	41	..	59	27	..	53
Gambia, The	11	19	25	16	25	30	7	12	19
Ghana	41	36	..	50	45	..	31	28	..
Guinea	17	10	12	24	15	20	10	5	7
Guinea-Bissau	6	..	..	10	..	..	2	..	..
Kenya	20	24	24	23	28	26	16	21	22
Lesotho	18	25	31	14	20	25	21	30	37
Liberia	22	..	..	31	..	..	13	..	..
Madagascar	..	18	16	..	18	16	..	18	16
Malawi	5	8	17	7	11	21	3	5	12
Mali	8	7	10	12	9	17	5	5	8
Mauritania	11	14	16	18	19	21	4	9	11
Mauritius	50	53	65	51	53	63	49	53	66
Mozambique	5	8	7	8	10	9	3	6	6
Namibia	..	44	61	..	39	58	..	49	67
Niger	5	7	7	7	9	9	3	4	5
Nigeria	18	25	33	24	29	36	12	21	30
Rwanda	3	8	..	4	9	..	3	7	..
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..
Senegal	11	16	16	15	21	20	8	11	12
Seychelles	..	..	..	..	..	..	..	..	..
Sierra Leone	14	17	..	20	22	..	8	13	..
Somalia	9	..	..	13	..	..	5	..	..
South Africa	..	74	94	..	69	88	..	80	103
Sudan	16	24	21	20	27	23	12	21	20
Swaziland	38	44	54	39	44	55	37	43	54
Tanzania	3	5	5	4	6	6	2	4	5
Togo	33	24	27	50	35	40	16	12	15
Uganda	5	13	12	7	17	15	3	10	9
Zambia	16	24	27	22	..	34	11	..	21
Zimbabwe	8	50	49	9	53	52	7	46	45
NORTH AFRICA	41	62	64	49	68	68	31	54	60
Algeria	33	61	63	40	67	65	26	54	62
Egypt, Arab Republic	51	76	75	61	84	83	39	68	73
Libya	76	86	..	89	..	..	63	..	..
Morocco	26	35	39	32	41	44	20	30	34
Tunisia	27	45	65	34	50	66	20	40	63
ALL AFRICA	20	31	34	26	35	37	15	28	31

Note: "Secondary" refers to secondary general education.

## 13-21. Public expenditure on education

	As percentage of Total public expenditure			As percentage of GDP		
	1980	1990	1993-97	1980	1990	1993-97
<b>SUB-SAHARAN AFRICA</b>	..	..	..	..	..	..
excluding South Africa	..	..	..	..	..	..
excl. S. Africa & Nigeria	..	..	..	..	..	..
Angola	..	..	..	..	..	..
Benin	..	..	..	..	..	2.6
Botswana	..	19	26.3	..	..	..
Burkina Faso	15.5	18	17.9	1.8	..	..
Burundi	..	..	3.2	..	3	3.7
Cameroon	12.4	16	14.6	..	..	..
Cape Verde	..	..	..	..	..	..
Central African Republic	..	..	..	3.5	2	1.5
Chad	..	..	..	..	..	1.1
Comoros	..	..	..	..	3	3.7
Congo, Democratic Rep. of	..	..	..	..	..	..
Congo, Republic of	..	..	..	5.3	..	5.3
Côte d'Ivoire	..	30	..	5.7	..	4.2
Djibouti	..	..	..	..	3	..
Equatorial Guinea	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..
Ethiopia	10.2	10	14.0	..	3	3.6
Gabon	..	..	..	..	..	..
Gambia, The	..	..	14.5	2.3	2	3.2
Ghana	..	..	..	..	..	..
Guinea	..	..	..	..	..	1.5
Guinea-Bissau	..	..	..	..	..	..
Kenya	22.9	23	21.4	5.2	5	6.1
Lesotho	..	10	..	6.5	..	8.8
Liberia	11.9	..	..	..	..	..
Madagascar	..	..	..	3.5	..	..
Malawi	..	..	..	2.0	2	3.8
Mali	..	..	..	..	..	1.8
Mauritania	..	..	..	4.1	4	3.4
Mauritius	..	15	8.3	4.1	3	2.8
Mozambique	..	..	..	..	1	..
Namibia	..	..	..	..	..	7.0
Niger	18.0	..	..	..	..	..
Nigeria	..	..	..	..	..	..
Rwanda	..	..	..	2.2	..	..
São Tomé and Príncipe	..	..	..	..	..	..
Senegal	..	..	..	4.1	4	3.6
Seychelles	..	..	12.2	..	6	4.7
Sierra Leone	..	13	..	..	..	..
Somalia	..	..	..	..	..	..
South Africa	..	..	..	..	..	6.3
Sudan	9.8	..	..	3.8	..	0.8
Swaziland	24.6	..	..	3.9	4	4.9
Tanzania	13.3	..	..	..	..	..
Togo	..	..	..	4.7	4	4.0
Uganda	..	..	..	..	..	..
Zambia	..	8	13.1	3.5	..	1.6
Zimbabwe	..	..	..	4.8	7	6.8
<b>NORTH AFRICA</b>	15.0	17	15.5	..	..	..
Algeria	..	..	..	..	..	..
Egypt, Arab Republic	8.1	14	13.8	..	..	..
Libya	..	..	..	..	..	..
Morocco	17.3	18	16.6	4.8	5	4.7
Tunisia	17.0	17.0	18.7	4.5	5.0	5.3
<b>ALL AFRICA</b>	..	..	..	..	..	..

## 13-22. Economic opportunities of women

	<i>Female / male ratio of participation in economic activity</i>	<i>Female as percentage of male in occupational group, 1990*</i>			
	<i>1995</i>	<i>Administrative and managerial</i>	<i>Professional and technical</i>	<i>Clerical and sales</i>	<i>Services</i>
<b>SUB-SAHARAN AFRICA</b>	73	11	42	.	.
excluding South Africa	74	10	37	.	.
excl. S. Africa & Nigeria	79	.	.	.	.
Angola	87	..	..	..	..
Benin	93	..	..	..	..
Botswana	85	57	159	151	238
Burkina Faso	87	16	35	168	28
Burundi	97	16	44	..	..
Cameroon	60	11	32	59	46
Cape Verde	64	30	94	170	134
Central African Republic	88	10	23	146	13
Chad	80	..	..	..	..
Comoros	74	..	29	..	..
Congo, Democratic Rep. of	77	10	20	..	..
Congo, Republic of	77	7	40	..	..
Côte d'Ivoire	49	..	..	..	..
Djibouti	..	2	25	..	..
Equatorial Guinea	55	2	37	..	..
Eritrea	90	..	..	..	..
Ethiopia	69	13	31	..	..
Gabon	80	..	..	..	..
Gambia, The	81	18	31	..	..
Ghana	103	10	56	..	..
Guinea	90	..	..	..	..
Guinea-Bissau	67	..	..	..	..
Kenya	85	..	..	..	..
Lesotho	58	50	130	144	209
Liberia	66	..	..	..	..
Madagascar	81	..	..	..	..
Malawi	96	5	53	58	39
Mali	87	25	23	130	71
Mauritania	77	8	26	33	81
Mauritius	46	17	71	44	70
Mozambique	94	13	26	..	..
Namibia	68	26	69	..	..
Niger	79	9	..	..	..
Nigeria	56	6	35	140	13
Rwanda	93	9	47	48	35
São Tomé and Príncipe	..	..	..	..	..
Senegal	74	..	..	..	..
Seychelles	..	40	139	143	141
Sierra Leone	57	9	47	191	18
Somalia	75	..	..	..	..
South Africa	60	21	88	..	196
Sudan	40	3	40	..	..
Swaziland	60	17	119	116	82
Tanzania	98	..	..	..	..
Togo	67	9	27	..	..
Uganda	91	..	..	..	..
Zambia	83	6	47	136	29
Zimbabwe	80	18	67	52	42
<b>NORTH AFRICA</b>	41	19	39	31	14
Algeria	32	6	38	13	23
Egypt, Arab Republic	40	19	40	40	9
Libya	26	..	..	..	..
Morocco	53	34	46	..	..
Tunisia	44	8	21	..	..
<b>ALL AFRICA</b>	67	13	41	.	.

\*or most recent available data.

## 13-23. Household and economic participation of women

	Percentage of households headed by women (latest available between 1991-99)	Percentage of women in occupational group 1991-99					Community, social & personal services
		Agriculture	Mining	Utilities & manufacturing	Construction, transport, storage & communications	Service industries	
SUB-SAHARAN AFRICA	..	..	..	..	..	..	..
excluding South Africa	..	..	..	..	..	..	..
excl. S Africa & Nigeria	..	..	..	..	..	..	..
Angola	..	..	..	..	..	..	..
Benin	..	..	..	..	..	..	..
Botswana	..	2	1	12	9	35	41
Burkina Faso	6	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	..
Cameroon	18	..	..	..	..	..	..
Cape Verde	..	..	..	..	..	..	..
Central African Republic	16	..	..	..	..	..	..
Chad	..	14	0	14	14	14	43
Comoros	..	..	..	..	..	..	..
Congo, Democratic Rep. of	..	..	..	..	..	..	..
Congo, Republic of	..	..	..	..	..	..	..
Côte d'Ivoire	12	..	..	..	..	..	..
Djibouti	17	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..
Eritrea	..	..	..	..	..	..	..
Ethiopia	18	10	0	24	6	10	50
Gabon	..	..	..	..	..	..	..
Gambia, The	1	..	..	..	..	..	..
Ghana	14	..	..	..	..	..	..
Guinea	8	..	..	..	..	..	..
Guinea-Bissau	10	..	..	..	..	..	..
Kenya	15	20	0	8	5	11	57
Lesotho	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..
Madagascar	18	..	..	..	..	..	..
Malawi	..	73	0	7	2	4	14
Mali	6	..	..	..	..	..	..
Mauritania	24	..	..	..	..	..	..
Mauritius	..	12	0	64	2	7	15
Mozambique	..	..	..	..	..	..	..
Namibia	..	..	..	..	..	..	..
Niger	6	5	5	20	25	25	25
Nigeria	13	..	..	..	..	..	..
Rwanda	..	..	..	..	..	..	..
São Tomé and Príncipe	..	..	..	..	..	..	..
Senegal	8	..	..	..	..	..	..
Seychelles	..	..	..	..	..	..	..
Sierra Leone	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..
South Africa	27	..	..	..	..	..	..
Sudan	..	..	..	..	..	..	..
Swaziland	26	23	1	16	4	20	36
Tanzania	11	..	..	..	..	..	..
Togo	..	..	..	..	..	..	..
Uganda	2	..	..	..	..	..	..
Zambia	19	..	..	..	..	..	..
Zimbabwe	..	38	1	6	3	10	..
NORTH AFRICA	..	36	0	21	2	8	32
Algeria	..	..	..	..	..	..	..
Egypt, Arab Republic	..	52	0	10	2	7	29
Libya	..	..	..	..	..	..	..
Morocco	..	3	0	45	2	11	39
Tunisia	..	..	..	..	..	..	..
ALL AFRICA	..	..	..	..	..	..	..

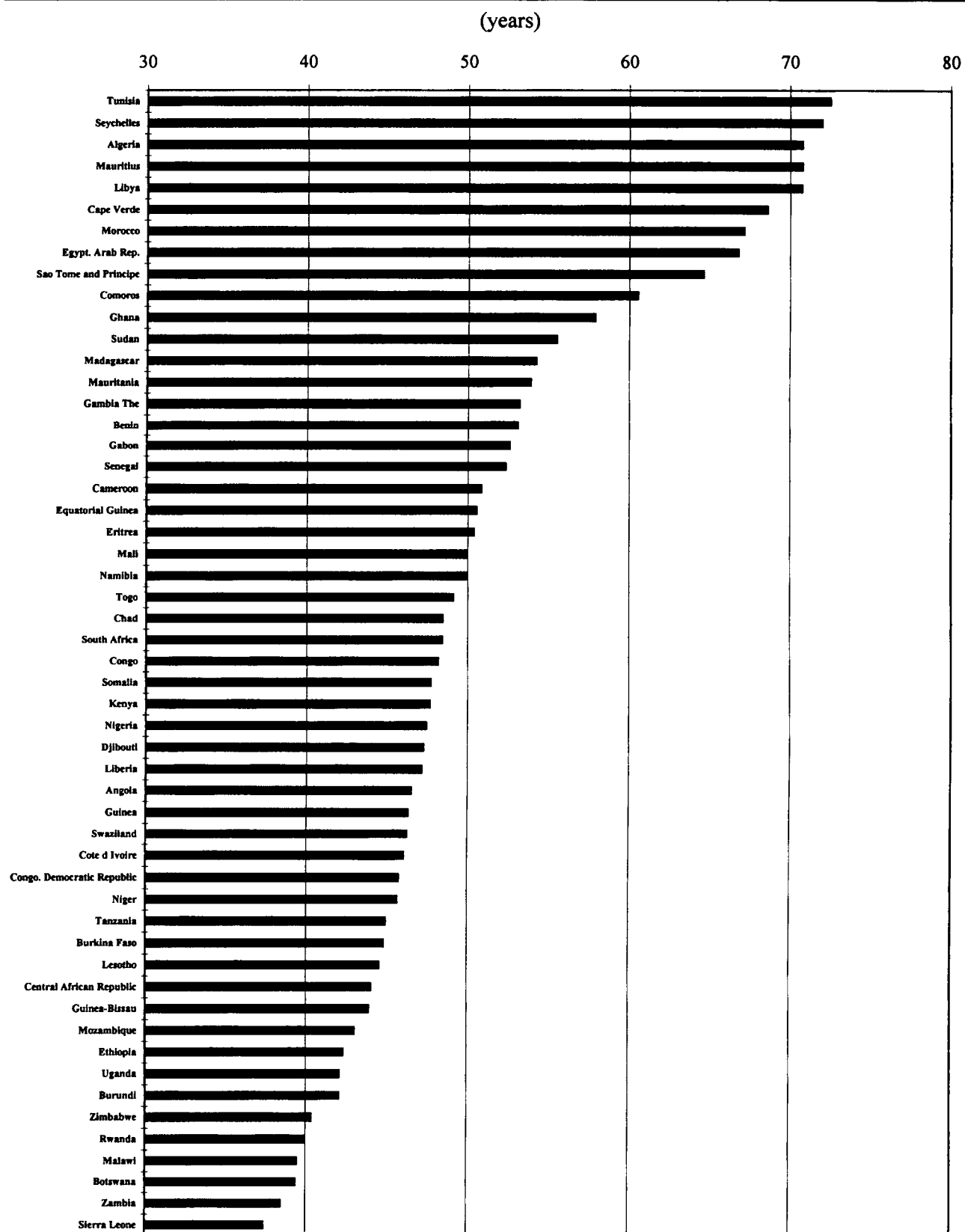
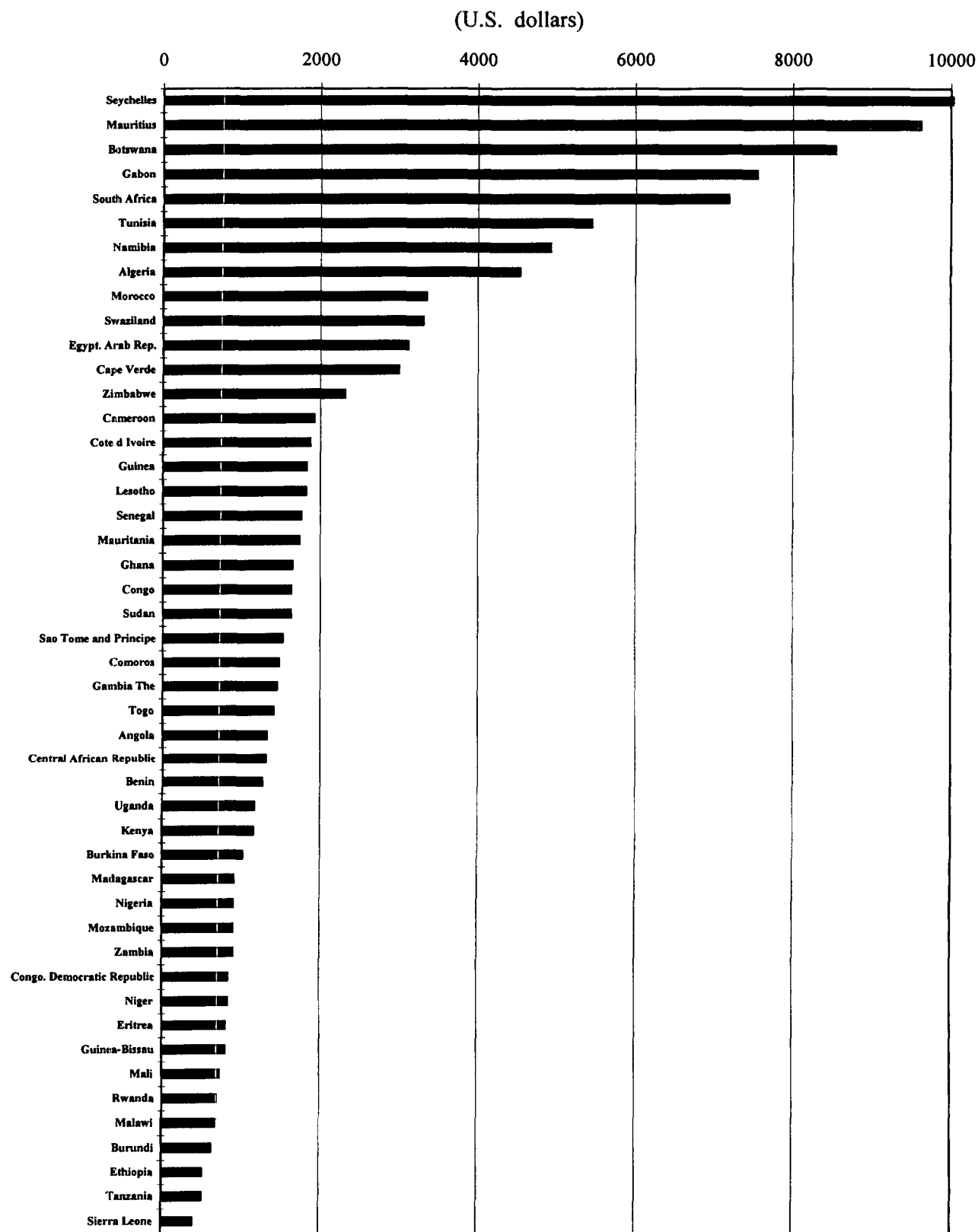
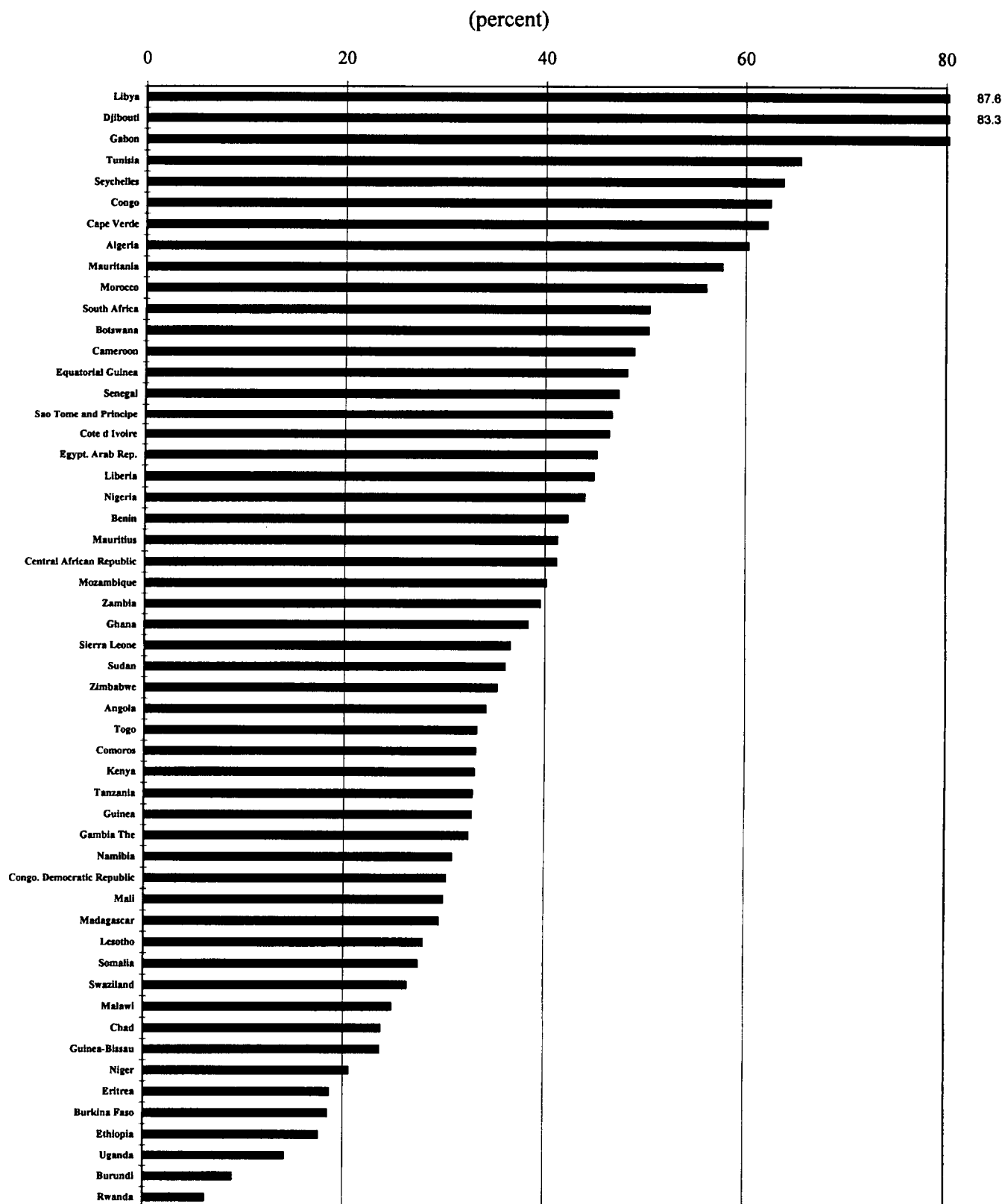
**Figure 13-1. Life expectancy, 1999**

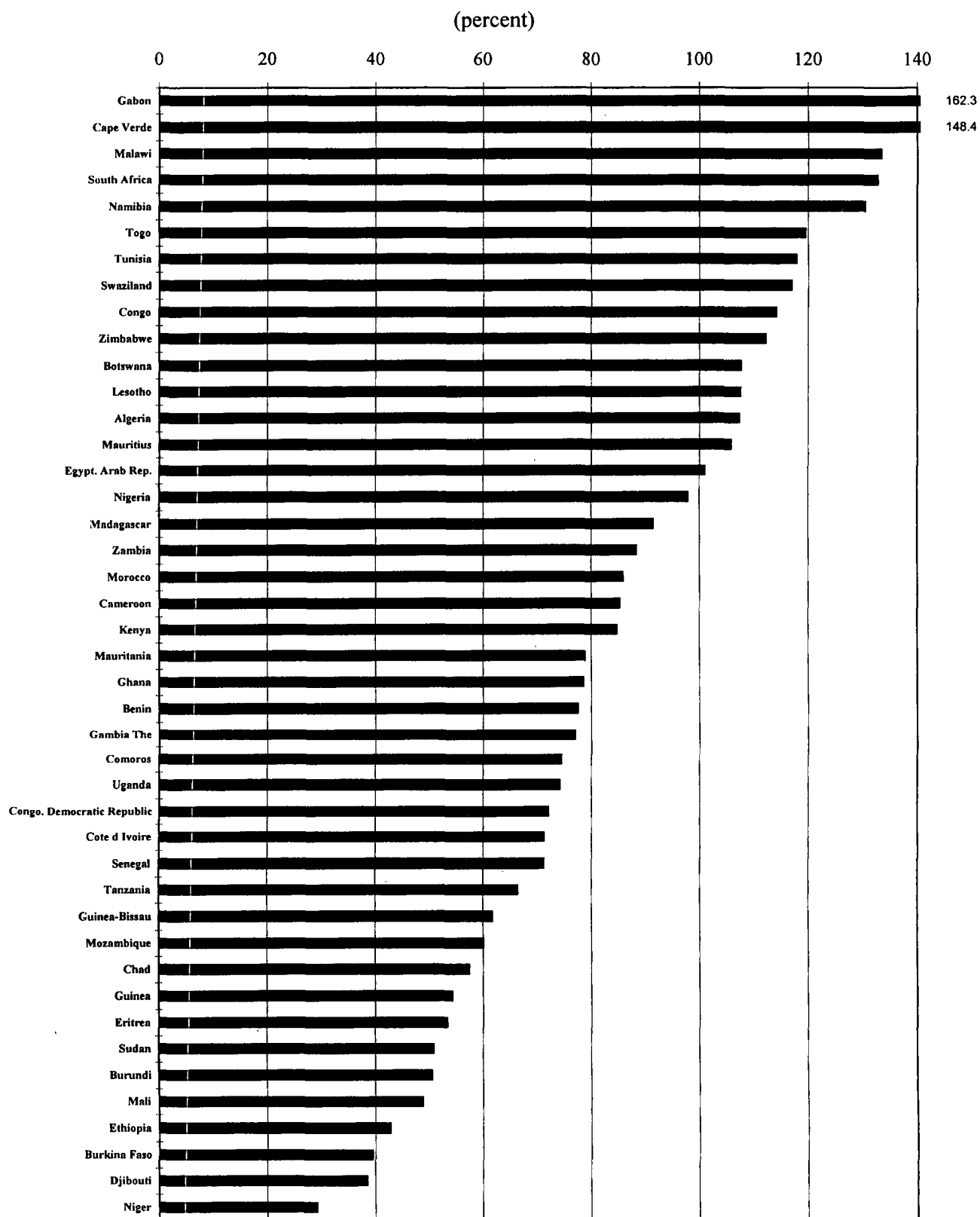


Figure 13-2. GDP per capita based on PPP, 1998

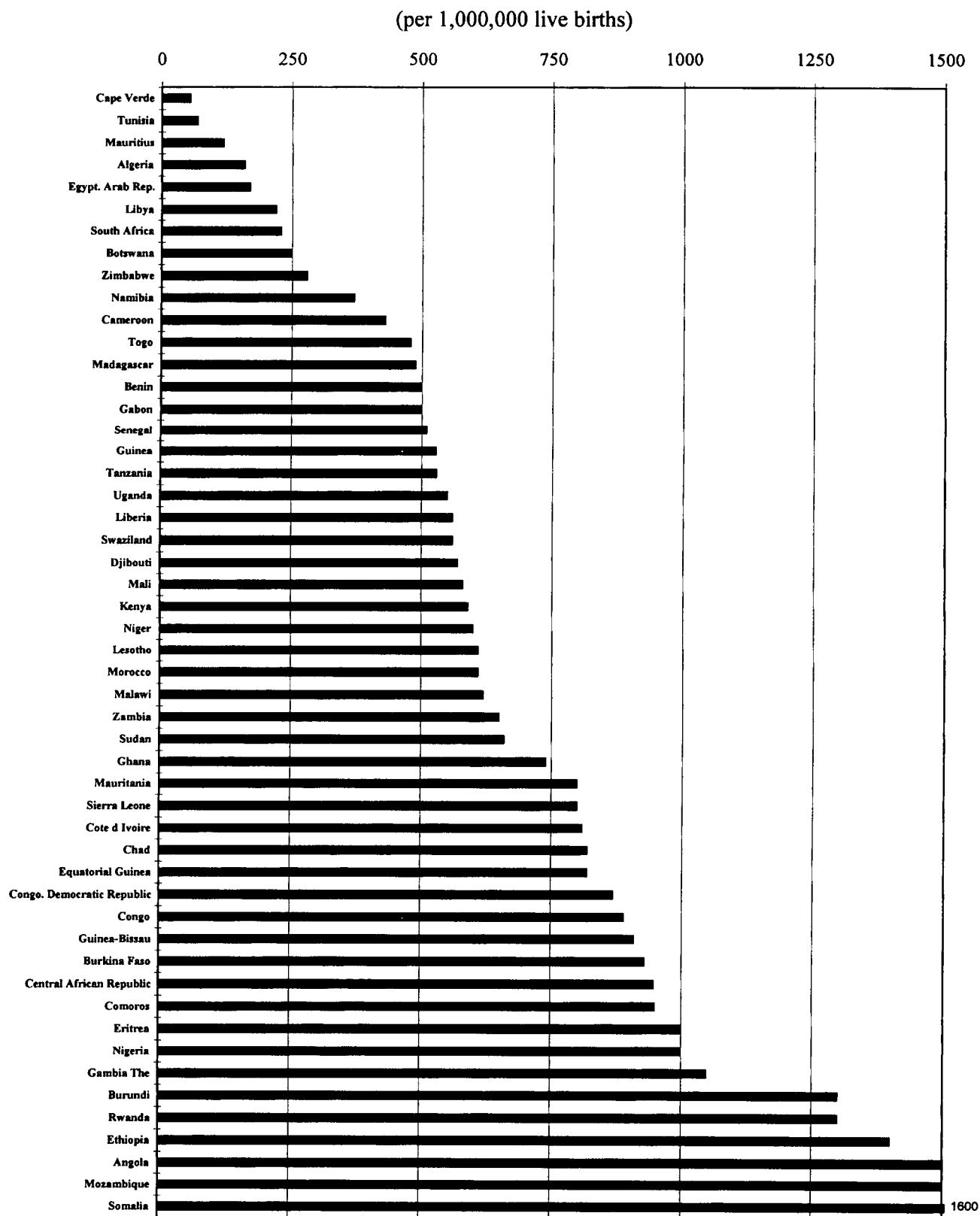


**Figure 13-3. Urban population as a percentage of total population, 2000\***

\* Or most recent year available.

**Figure 13-4. Primary school gross enrollment ratio, 1997\***

\* Or most recent year available.

**Figure 13-5. Maternal mortality, 1999\***

\* Or most recent year available.

## Technical notes

### Tables

**Table 13-1. Age and gender structure of the population.** Age and gender structure of the population (UN and World Bank data) is the distribution of the total population according to age and gender. Only the female composition of the population is presented, as the male composition can easily be figured as the residual. Figures relate to midyear populations as estimated from the latest censuses. Age dependency ratio is calculated as the ratio of dependents—population under age 15 and above age 65—to the working age population—those aged 15 to 64.

**Table 13-2. Poverty.** This table presents selected indicators for comparing the incidence and extent of urban and rural poverty. The first indicator uses purchasing power parities rather than official exchange rates to calculate GDP per capita: a measure of the overall mean level of poverty at the national level. The next indicator is the national poverty headcount, which shows the percentage of the population living below the poverty line deemed appropriate for the country by its authorities. The poverty line is defined as the below which adequate standards of nutrition, shelter, and personal amenities cannot be assured. Since these levels are country specific, cross-country comparisons cannot be made. The next indicator, however, uses a relative concept of poverty, which does allow such comparisons. It shows the percentage of the urban and rural populations living on less than two-thirds of the mean national per capita income. Associated with these indicators are the urban and rural

Gini coefficients, which describe the level of inequality in urban and rural income distributions. The last indicator shows the percentage of household income spent on food (UNDP, World Bank, Penn World Tables, and National Household Surveys).

**Table 13-3. Income distribution.** This table presents the share of income held by the richest and poorest population groups in a country (World Bank data and national household surveys).

**Table 13-4. Urbanization.** This table presents the number of persons living in urban areas as a percentage of the total population. Average annual percentage growth rates are shown separately for the urban population and the total population. The urban population percentages are based on the number of persons living in areas defined as “urban” according to national definitions of this concept. Since national definitions differ, cross-country comparisons should be made with caution (World Bank data).

**Table 13-5. Components of population change.** This table presents three determinants of population change: total fertility rate, crude birth rate, and crude death rate. Crude birth rate is the number of births per 1,000 population in a given year. Crude death rate is the number of deaths per 1,000 population in a given year. Total fertility rate is the average number of children that would be born alive to a woman during her lifetime, if she were to bear children at each age in accordance with prevailing age-specific fertility rates (World Bank data).

**Table 13-6. Survival prospects.** This table shows four health-related indicators: life expectancy at birth, infant mortality rate, child mortality rate and maternal mortality rate.

Life expectancy at birth is the number of years a newborn infant would live if prevailing patterns of mortality at the time of its birth were to stay the same throughout its life. Infant mortality rate is the number of deaths of infants under one year of age per 1,000 live births in a given year. Child mortality rate is the number of deaths of children under five years of age per 1,000 live births in a given year. Maternal mortality rate is the annual number of deaths of women from pregnancy-related causes per 100,000 live births.

**Table 13-7. HIV/AIDS estimates and data, end 1999.** Data reported on this table give the estimated number of people living with HIV/AIDS. The data are broken down to adults aged 15 and above, and children below the age of 15. Adult rate is the total number of adults (men and women) living with HIV/AIDS divided by the corresponding mid-year population. Orphans are defined as children who lost their mother or both parents to AIDS when they were under the age of 15 (UNAIDS data).

**Table 13-8. Immunization and ORT use.** This is the percentage of children under one year of age immunized against tuberculosis, DPT, polio, and measles. It also gives the use rate of oral rehydration therapy (ORT) among children under five years of age. DPT refers to diphtheria, pertussis (whooping cough), and tetanus. ORT use is the percentage of all cases of diarrhea in children under five years of age treated with oral rehydration salts or an appropriate household solution (WHO data).

**Table 13-9. Child malnutrition.** Data reported on this table give the percentage of children and babies suffering from nutrition-related problems of low birthweight, underweight, wasting, and stunting. Figures are also given on the extent of breastfeeding among nursing mothers.

Low birthweight refers to babies born weighing less than 2,500 grams. Underweight refers to children under the age of five weighing two standard deviations

below the median weight for age of the reference population. Wasting refers to children of ages 12 through 23 months weighing two standard deviations below the median weight for height of the reference population. Stunting refers to children of ages 24 through 59 months standing two standard deviations below the median height-for-age of the reference population (UNDP various years, WHO and World Bank data).

**Table 13-10. Access to sanitation facilities.** Table 13-10 shows the percentage of the population with access to sanitation facilities (WHO data). Urban areas with access to sanitation facilities are defined as urban populations served by connections to public sewers or household systems, such as pit privies, pour-flush latrines, septic tanks, communal toilets, and other such facilities. Rural populations with access were defined as those with adequate disposal, such as pit privies and pour-flush latrines. Application of these definitions may vary, and comparisons can therefore be misleading.

**Table 13-11. Access to safe water.** This table refers to the percentage of the population with reasonable access to safe water supply, which includes treated surface waters or untreated, but uncontaminated water, such as that from springs, sanitary wells, and protected boreholes. In an urban area, this may be a public fountain or standpost located not more than 200 meters away. In rural areas, it implies that members of the household do not have to spend a disproportionate part of the day fetching water. Data are presented separately for total, urban and rural population (WHO data).

**Table 13-12. Health expenditure.** This table shows total health expenditure as percentage of GDP and on a per capita basis—both in current \$ and PPP terms. The ratio to GDP is also shown for public and private expenditure. *Total health expenditure* is the sum of public and private health expenditures. It covers the provision of health services (preventive and curative), family planning activities, nutrition activities, and emergency aid designated for health but does not include provision of water and sanitation. *Public health*

*expenditure* consists of recurrent and capital spending from government (central and local) budgets, external borrowings and grants (including donations from international agencies and nongovernmental organizations, and social (or compulsory) health insurance funds. *Private health expenditure* includes direct household (out-of-pocket) spending, private insurance, charitable donations, and direct service payments by private corporations (WHO, IMF, and World Bank data).

**Table 13-13. Health care.** Indicators presented here are population per physician, population per hospital bed, the percentage of births attended by trained health personnel, and access to health services. The figure for physicians includes, in addition to the total number of registered practitioners in the country, medical assistants whose medical training is less than that of qualified physicians, but who nevertheless dispense similar medical services, including simple surgical operations. The definition of recognized medical practitioners differs among countries. Hospital beds include inpatient beds available in public, private, general, and specialized hospitals and in rehabilitation centers. In most cases acute and chronic care are included. Births attended refers to births attended by physicians, nurses, midwives, trained primary healthcare workers, or trained traditional birth attendants. Access to health services refers to the percentage of the population that can reach appropriate local health services by the local transport in no more than one hour (WHO and World Bank data).

**Table 13-14. Illiteracy rate.** This table shows the share of illiterate adults in total adult population aged 15 years and over. Literacy is defined as the ability to read and write. A person who can, with understanding, both read and write a short, simple statement about his everyday life is literate. Persons who can read, but cannot write, are included with illiterates. Figures are shown separately for males, females, and both genders combined (UNESCO data).

**Tables 13-15. Primary school gross enrollment ratio.** This is the total number of pupils enrolled at

the primary level of education, regardless of age, expressed as a percentage of the population corresponding to the official school age of primary education in a given country. Data are given separately for males, females, and both genders combined. Figures shown may be more than 100 percent since total enrollment includes pupils above and pupils below the primary school age, as well as repeaters (UNESCO data).

**Tables 13-16. Pupil progression.** This table provides two education indicators. *Percentage of cohort reaching grade 5 of primary school* shows the percentage of children starting primary school, who eventually attain grade 4. The estimate is based on the Reconstructed Cohort Method, which uses data on enrollment and repeaters for two consecutive years. Progression to secondary school (general) is the number of new children in the first grade of secondary school (general) divided by the number of children enrolled in the final grade of primary school in the previous year (according to the country's duration of primary education (UNESCO and World Bank data).

**Table 13-17. Net primary enrollment ratio.** This is the ratio of the number of children of official school age enrolled in school to the number of children of official school age in the population (UNESCO data).

**Table 13-18. Number of schoolteachers.** Teachers in both public and private schools are covered in this table. Data refer to both full-time and part-time teachers, excluding other instructional personnel without teaching functions. Figures are shown here separately for primary and secondary schools. Percentage females means the number of female teachers expressed as a percentage of total teaching staff (UNESCO data).

**Table 13-19. Pupil/teacher ratio.** This ratio gives the average number of pupils per teacher. Figures are given separately for primary and secondary schools. As teaching staff includes both full-time and part-time teachers, comparability of this ratio between countries may be affected as the proportion of part-time teachers varies greatly from one country to another (UNESCO data).

**Table 13-20. Secondary school gross enrollment ratio.** This is the secondary school equivalent of the data presented in Table 13-15. It gives the total number of students enrolled at the secondary level of education, regardless of age, expressed as a percentage of the population corresponding to the official school age of secondary education. Data are presented separately for males, females, and both genders combined. Second level, general refers to education in secondary schools that provides general or specialized instruction based upon at least four years of previous instruction at the first or primary level, which do not specifically aim at preparing the pupils directly for a given trade or occupation. Such schools may be called high schools, middle schools, or lyceums and offer courses of study whose completion is a minimum condition for admission into universities. In some countries, some of these schools provide both academic and vocational training. These composite secondary schools are considered as equivalent to the academic type of secondary school and are thus classified as second level, general (UNESCO data).

**Table 13-21. Public expenditure on education.** This table presents the public expenditure on education (UNESCO) first as a percentage of total public expenditure (IMF/GFS) and then as a percentage of current GDP (Table 2-5).

**Table 13-22. Economic opportunities of women.** This table shows two indicators. Female/male ratio

of participation in economic activity shows the number of female workers in relation to the number of male workers. Females as percentage of males in occupational group show the breakdown of the first indicator for occupational categories (UNDP data).

**Table 13-23. Household and economic participation of women.** This table presents indicators on gender issues in development. Households headed by women (World Bank data) refers to families in which a woman is acknowledged as the head by the other members. The occupational statistics are based on UN, *Statistical Yearbook 1992-93*.

## Figures

The following indicators have been used to derive the figures in this chapter:

**Figure 13-1.** Life expectancy (Table 13-6).

**Figure 13-2.** GDP per capita, based on PPP, 1997 (Table 13-2).

**Figure 13-3.** Urban population as a percentage of total population (Table 13-4).

**Figure 13-4.** Primary school gross enrollment ratio (Table 13-15).

**Figure 13-5.** Maternal mortality (Table 13-6).



# Methodology used for regional aggregations and period averages in chapter 13

Table	Aggregations <sup>a</sup>					Period averages <sup>b</sup>	
	(1)	(2)	(6)	(7)	(8)	(1)	(2)
13-1							
Columns 1-8		x					
Columns 9-10			x				
13-2							
Columns 1, 3			x				
Columns 4, 5, 8				x			
Columns 2, 6-7					x		
13-3					x		
13-4							
Columns 1-3	x						
Columns 4-6							x
Columns 7-9			x				
Columns 10-12							x
13-5							
Columns 1-3			x				
Columns 4-6		x					
Columns 7-9		x					
13-6			x				
13-7	x						
13-8			x				
13-9			x				
13-10			x				
13-11			x				
13-12							
Columns 1-4			x				
Column 5					x		
13-13			x				
13-14			x				
13-15			x				
13-16			x				
13-17			x				
13-18							
Columns 1-3, 7-9					x		
Columns 4-6, 10-12			x				
13-19			x				
13-20			x				
13-21			x				
13-22			x				
13-23					x		

*Note:* Regional aggregations are shown in the rows for Sub-Saharan Africa, North Africa, and All Africa. Period averages are shown in the last three columns. This table shows only the methodologies used in this chapter.

a. Regional aggregations: (1) simple total; (2) simple total of the first indicator divided by the simple total of the second indicator (same country coverage); (3) simple total of the gap-filled indicator; (4) simple total of the gap-filled main indicator divided by the simple total of the gap-filled secondary indicator; (5) simple total of the first gap-filled main indicator less the simple total of the second gap-filled main indicator, all divided by the simple total of the secondary indicator; (6) weighted total (by population); (7) median; (8) no aggregation; (9) simple arithmetic mean.

b. Period averages: (1) arithmetic mean (using the same series as shown in the table i.e., ratio if the rest of the table is shown as ratio, level if the rest of the table is shown as level, growth rate if the rest is shown as growth rate); (2) least-squares growth rate (using main indicator); (3) least-squares growth rate (using main indicator in constant terms, with the rest of the table in current terms).

## Environmental Indicators

**T**his chapter was drawn entirely from the World Resources Institute and reflects tables published in their *World Resources 2001*. It includes data on natural resources—their use by sector and the trends in their use—protected resources and those in danger of extinction, commercial energy production and its components, globally threatened species and protection and management programs.

Until the early 1970s, environmental issues were mainly focused on problems of industrial countries and on such issues as water and air pollution, acid rain, and greenhouse gas emissions. Since the publication of the Club of Rome's *The Limit to Growth* in 1972, however, issues of natural resource depletion and degradation have received considerable attention in assessing environmental factors and their impacts on the development prospects of developing nations. At the national level, environmental concerns revolve around population expansion, desertification, deforestation, and the by-products of energy consumption.

Environmental destruction is not, however, confined by geographic borders. For instance, global warming, said to be caused by greenhouse gas emissions, has become a major global environmental concern. The issue of the greenhouse effect may be subject to controversy at the theoretical level and difficult to prove at the practical level. The fact that industrial wastes generated in one country cross-frontiers and cause

environmental damage to other nations is, however, widely acknowledged. Common interests, therefore, compel the international community to jointly work toward a common goal of preserving the environment.

Increasing emphasis on the links between the environment and development, both at the national and international levels, is reflected in the growing number of scientific and analytical studies. Challenging the hegemony of the SNA national income accounting convention, numerous scholarly endeavors are under way to internalize environmental consequences in national income calculations. The argument is made that the SNA methodology overstates national income levels for two reasons. First, it does not account for both the direct and indirect costs of drawing down natural resources. Second, it counts expenditure on resources for environmental protection activities as income. The changes both in methodology and emphasis have created an urgent demand for physical data. The information in this chapter aims to meet this growing demand, notwithstanding the limitations in data coverage and reliability.

The rate of deforestation is of particular concern because the cost of deforestation goes far beyond the losses of forest products, such as timber and fuelwood. There are equally significant indirect costs, including soil erosion; the substitution of animal and agricultural residues for cooking, which would otherwise be

used for fertilizer; and climate changes. Deforestation is caused by many factors, including increased demand for settlement area, cultivation, fuelwood, or a combination thereof. The information in this chapter provides an empirical framework for assessing policy alternatives in reversing the continuing depletion of natural resources.

Data on roundwood production and consumption are important in monitoring the causes of deforestation. In addition, since roundwood is a primary source of energy in developing nations, data on roundwood consumption is essential in analyzing air pollution. For instance, for 1985–87, Africa used close to 88 percent of its roundwood production for fuel and charcoal production, while approximately 12 percent of the roundwood production went to industrial uses. To put these figures in perspective, the corresponding figures for Europe are 16 and 84 percent.

Information on fresh water resources available and on the extent and the methods of their uses can provide a partial basis for analyzing Africa's agricultural performance, its potential hydroelectric power, and its populations' health conditions. Almost all

Sub-Saharan African countries use a very small fraction of their internal renewable water resources. For instance, Ethiopia, a nation that has suffered from repeated droughts, uses only 2 percent of its water resources. The major problem rests in the uneven geographic distribution of water resources with respect to population density and the state of freshwater drawing technology. The quality of water is as important as the quantity of water available. Water-related disease accounts for 80 percent of all sicknesses and for 90 percent of the 15 million deaths in developing countries each year.

Data on energy production are shown because of related environmental consequences. Biomass fuel, comprising woodfuel and animal and agricultural residues, accounts for 40 to 90 percent of total energy used in Sub-Saharan Africa.

Data on protected areas and endangered species indicate the intentions of countries to safeguard the environment and protect the use of natural resources for future generations.

## 14-1. Forest resources, 1990-95

	Forest area								
	Total forest			Natural forest			Plantation		
	Extent (000 ha)		Annual % change	Extent (000 ha)		Annual % change	Extent (000 ha)		Annual % change
	1990	1995	1990-95	1990	1995	1990-95	1990	1995	1990-95
<b>SUB-SAHARAN AFRICA</b>									
excluding South Africa									
excl. S. Africa & Nigeria									
Angola	23,285	22,200	-1.0	23,265	22,080	-1.0	120	160	5.8
Benin	4,923	4,625	-1.2	4,909	4,611	-1.3	14	30	15.2
Botswana	14,271	13,917	-0.5	14,270	13,916	-0.5	1	..	..
Burkina Faso	4,431	4,271	-0.7	4,411	4,251	-0.7	20	28	6.7
Burundi	324	317	-0.4	232	225	-0.6	92	120	5.3
Cameroon	20,244	19,598	-0.6	20,228	19,582	-0.6	16	23	7.3
Cape Verde	..	..	..	..	..	..	..	..	..
Central African Republic	30,571	29,930	-0.4	30,565	29,924	-0.4	6	..	..
Chad	11,496	11,025	-0.8	11,492	11,021	-0.8	4	8	13.9
Comoros	..	..	..	..	..	..	..	..	..
Congo, Dem. Rep. of	112,946	109,245	-0.7	112,904	109,203	-0.7	42	60	7.1
Congo, Rep. of	19,745	19,537	-0.2	19,708	19,500	-0.2	37	64	11.0
Côte d'Ivoire	5,623	5,469	-0.6	5,560	5,403	-0.6	63	98	8.8
Djibouti	..	..	..	..	..	..	..	..	..
Equatorial Guinea	1,829	1,781	-0.5	1,826	1,778	-0.5	3	..	..
Eritrea	282	282	0.0	233	233	0.0	..	..	..
Ethiopia	13,891	13,579	-0.5	13,751	13,439	-0.5	189	220	3.0
Gabon	18,314	17,859	-0.5	18,293	17,838	-0.5	21	30	7.1
Gambia, The	95	91	-0.9	94	90	-0.9	1	2	8.1
Ghana	9,608	9,022	-1.3	9,555	8,969	-1.3	53	19	-20.5
Guinea	6,741	6,367	-1.1	6,737	6,363	-1.1	4	11	19.5
Guinea-Bissau	2,361	2,309	-0.4	2,360	2,308	-0.4	1	..	..
Kenya	1,309	1,292	-0.3	1,191	1,174	-0.3	118	240	14.2
Lesotho	6	6	0.0	0	0	0.0	7	6	0.0
Liberia	4,641	4,507	-0.6	4,635	4,501	-0.6	6	8	5.8
Madagascar	15,756	15,106	-0.8	15,539	14,889	-0.9	217	335	8.7
Malawi	3,612	3,339	-1.6	3,486	3,213	-1.6	126	122	-0.6
Mali	12,154	11,585	-1.0	12,140	11,571	-1.0	14	40	21.0
Mauritania	556	556	0.0	554	554	0.0	2	8	27.7
Mauritius	..	..	..	..	..	..	..	..	..
Mozambique	17,443	16,862	-0.7	17,415	16,834	-0.7	28	45	9.5
Namibia	12,584	12,374	-0.3	12,584	12,374	-0.3	0	1	..
Niger	2,562	2,562	0.0	2,550	2,550	0.0	12	60	32.2
Nigeria	14,387	13,780	-0.9	14,236	13,629	-0.9	151	250	10.1
Rwanda	252	250	-0.2	164	162	-0.2	88	247	20.6
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..
Senegal	7,629	7,381	-0.7	7,517	7,269	-0.7	112	216	13.1
Seychelles	..	..	..	..	..	..	..	..	..
Sierra Leone	1,522	1,309	-3.0	1,516	1,303	-3.0	6	8	5.8
Somalia	760	754	-0.2	756	750	-0.2	4	6	8.1
South Africa	8,574	8,499	-0.2	7,279	7,204	-0.2	965	1,429	7.8
Sudan	43,376	41,613	-0.8	43,173	41,410	-0.8	203	425	14.8
Swaziland	..	..	..	..	..	..	..	..	..
Tanzania	34,123	32,510	-1.0	33,969	32,356	-1.0	154	200	5.2
Togo	1,338	1,245	-1.4	1,317	1,224	-1.5	17	34	14.0
Uganda	6,400	6,104	-0.9	6,380	6,084	-1.0	20	26	5.2
Zambia	32,720	31,398	-0.8	32,677	31,355	-0.8	48	44	-1.9
Zimbabwe	8,960	8,710	-0.6	8,876	8,626	-0.6	84	110	5.4
<b>NORTH AFRICA</b>									
Algeria	1,978	1,861	-1.2	1,493	1,376	-1.6	485	972	13.9
Egypt	34	34	0.0	0	0	0	34	..	..
Libya	400	400	0.0	190	190	0	210	..	..
Morocco	3,894	3,835	-0.3	3,573	3,514	-0.3	321	565	11.3
Tunisia	570	555	-0.5	369	354	-0.8	201	320	9.3
<b>ALL AFRICA</b>	<b>538,978</b>	<b>520,237</b>	<b>-0.7</b>	<b>534,226</b>	<b>515,455</b>	<b>-0.7</b>	<b>4,416</b>	<b>..</b>	<b>4.4</b>

Sources: Food and Agriculture Organization of the United Nations and the United Nations Economic Commission for Europe.

Notes: 0 = zero or less than half the unit of measure; negative numbers indicate reduction in forest area; .. = not available.

## 14-2. Forest ecosystems, 1996

	Closed forests					Forest ecosystems (1996)							
	Land area (000 hectares)	Original Forest as a % of land area a/	Forests as a % of original forest		Percent frontier forests c/ threatened 1996	Mangroves		Tropical forests		Nontropical forests		Sparse trees and parkland	
			Current forests b/ 1996	Frontier forests c/ 1996		Area (000 ha)	Percent protected	Area (000 ha)	Percent protected	Area (000 ha)	Percent protected	Area (000 ha)	Percent protected
SUB-SAHARAN AFRICA													
excluding South Africa													
excl S Africa & Nigeria													
Angola	124,670	20	15	0	111	0	0	37,564	3	0	0	0	0
Benin	11,062	16	4	0	0	0	0	1,516	18	0	0	585	2
Botswana	56,673	2	100	0	0	0	0	12,123	2	0	0	0	0
Burkina Faso	27,360	0	0	0	0	0	0	0	0	0	0	5,667	16
Burundi	2,568	46	3	0	0	0	0	219	18	0	0	139	3
Cameroon	46,540	80	42	8	97	227	2	20,009	6	0	0	2,416	22
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	62,298	52	16	4	100	0	0	17,101	20	0	0	1,451	48
Chad	125,920	0	0	0	0	0	0	3,516	4	0	0	2,857	1
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Dem. Rep. of	226,705	83	60	16	70	22	0	135,071	7	0	0	172	40
Congo, Rep. of	34,150	100	68	29	65	19	76	24,321	4	0	0	0	0
Côte d'Ivoire	31,800	75	10	2	100	0	0	2,702	23	0	0	625	18
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	2,805	96	38	0	0	25	0	1,749	0	0	0	0	0
Eritrea	..	..	..	..	..	0	0	1	0	0	0	0	0
Ethiopia	110,000	25	17	0	0	0	0	11,937	19	0	0	4,804	21
Gabon	25,767	100	90	32	100	147	3	21,481	4	0	0	0	0
Gambia, The	1,000	39	62	0	0	51	5	188	5	0	0	244	2
Ghana	22,754	66	9	0	0	0	0	1,694	7	0	0	336	17
Guinea	24,572	76	5	0	0	316	0	3,073	1	0	0	2,723	1
Guinea-Bissau	2,812	100	34	0	0	317	0	1,141	0	0	0	550	0
Kenya	56,914	17	19	0	0	0	0	3,423	8	0	0	2,754	3
Lesotho	3,035	2	0	0	0	0	0	89	9	0	0	0	0
Liberia	9,632	100	44	0	0	0	0	3,149	3	0	0	1	0
Madagascar	58,154	93	13	0	0	310	0	6,940	6	0	0	0	0
Malawi	9,408	12	0	0	0	0	0	3,830	9	0	0	0	0
Mali	122,019	0	0	0	0	0	0	6,132	2	0	0	336	0
Mauritania	102,522	0	0	0	0	..	..	..	..	..	..	..	..
Mauritius	203	..	..	..	..	..	..	..	..	..	..	..	..
Mozambique	78,409	33	14	0	0	565	4	20,863	7	0	0	14,414	7
Namibia	82,329	0	95	0	0	0	0	3,436	11	0	0	0	0
Niger	126,670	0	0	0	0	0	0	27	16	0	0	0	0
Nigeria	91,077	45	11	1	100	1,145	0	11,634	7	0	0	10,588	4
Rwanda	2,467	36	16	0	0	0	0	291	77	0	0	162	2
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	19,253	14	16	0	0	158	3	2,076	7	0	0	8,816	13
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	7,162	100	10	0	0	176	1	260	20	0	0	104	0
Somalia	62,734	4	0	0	0	0	0	11,800	1	0	0	1,530	1
South Africa	122,104	13	0	0	0	0	0	10,333	5	52	26	0	0
Sudan	237,600	1	0	0	0	0	0	12,288	12	0	0	5,870	9
Swaziland	1,720	22	0	0	0	0	0	286	3	0	0	0	0
Tanzania	88,359	22	9	0	0	323	0	14,356	16	0	0	583	3
Togo	5,439	33	7	0	0	0	0	224	3	0	0	91	9
Uganda	19,965	70	4	0	0	0	0	3,772	17	0	0	1,850	65
Zambia	74,339	7	70	0	0	0	0	21,989	32	0	0	39	14
Zimbabwe	38,685	7	67	0	0	0	0	15,397	12	0	0	0	0
NORTH AFRICA													
Algeria	238,174	5	12	0	0	0	0	0	0	2,694	4	1	83
Egypt	99,545	1	0	0	0	0	0	134	0	4	0	0	0
Libya	175,954	1	0	0	0	0	0	0	0	53	0	0	0
Morocco	44,630	22	7	0	0	0	0	0	0	1,862	3	0	0
Tunisia	15,536	18	5	0	0	0	0	0	0	300	2	0	0
ALL AFRICA	2,963,468	23	34	8	77	3,801	1	448,197	9	8,249	2	69,710	11

Source: Food and Agriculture Organization of the United Nations.

Notes: a. Original forest is that estimated to have covered the planet 8000 years ago given current climate conditions.

b. Includes frontier and nonfrontier forests.

c. Frontier forests are large, relatively undisturbed forest ecosystems.

0 = zero or less than half of the unit of measure; .. = not available.

# 14-3. Wood production and trade, 1986-98

	Average annual roundwood production						Average annual forest products production				Trade in forest products		
	Total roundwood		Wood fuel		Industrial roundwood		Wood-based panels		Paper and paperboard		Import	Export	
	Cubic	Percent	Cubic	Percent	Cubic	Percent	Cubic	Percent	Metric	Percent	Value	Value	Percent
	meters	change	meters	change	meters	change	meters	change	tons	change	(million	(million	of total
	(000)	since	(000)	since	(000)	since	(000)	since	(000)	since	US\$)	US\$)	exports
	1996-98	1986-88	1996-98	1986-88	1996-98	1986-88	1996-98	1986-88	1996-98	1986-88	1996-98	1996-98	1998
SUB-SAHARAN AFRICA													
excluding South Africa													
excl. S. Africa & Nigeria													
Angola	6,272	37	5,220	38	1,052	32	11	-55	0	0	5	1	0
Benin	5,839	32	5,507	32	332	36	0	0	0	0	2	2	0
Botswana	1,641	33	1,540	33	101	33	0	0	0	0	0	0	0
Burkina Faso	10,506	32	10,022	32	484	32	0	0	0	0	2	0	0
Burundi	1,669	37	1,487	27	182	287	0	0	0	0	3	0	0
Cameroon	15,191	29	11,869	32	3,323	20	124	42	2	-67	22	427	17
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	3,388	-1	2,660	-12	728	80	1	-67	0	0	0	27	13
Chad	1,871	37	1,147	36	724	38	0	0	0	0	2	0	0
Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Dem. Rep. of	3,985	30	2,456	33	1,529	25	54	-5	0	0	1	147	8
Congo, Rep. of	48,372	41	44,814	42	3,557	28	21	-47	3	13	6	63	4
Côte d'Ivoire	12,983	21	9,970	33	3,013	-6	306	42	0	0	37	280	6
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	811	27	447	0	364	92	9	13	0	0	1	57	13
Eritrea	..	..	2,110	..	..	..	0	0	0	0	9	0	0
Ethiopia	48,990	..	46,522	..	2,468	..	13	..	9	..	16	0	0
Gabon	5,144	62	2,491	33	2,653	104	36	-80	0	0	4	288	9
Gambia, The	813	29	700	18	113	208	0	0	0	0	1	0	0
Ghana	21,931	61	20,678	64	1,253	23	136	112	0	0	16	145	9
Guinea	8,643	138	7,977	154	666	32	0	0	0	0	6	9	1
Guinea-Bissau	586	4	422	0	164	18	0	0	0	0	0	3	6
Kenya	28,813	33	26,879	34	1,934	19	52	26	129	41	30	1	0
Lesotho	1,556	27	1,556	27	0	0	0	0	0	0	0	0	0
Liberia	2,936	-19	2,700	0	236	-75	45	644	0	0	1	12	..
Madagascar	9,254	20	8,878	28	376	-53	5	20	4	-62	9	6	1
Malawi	9,449	25	8,950	24	499	45	18	213	0	0	4	2	0
Mali	6,284	24	5,890	24	394	21	0	0	0	0	5	1	0
Mauritania	15	29	9	29	6	29	0	0	0	0	2	0	0
Mauritius	..	..	..	..	..	..	..	..	..	..	..	..	..
Mozambique	17,973	18	16,724	17	1,249	37	3	-64	0	-100	1	10	2
Namibia	..	..	..	..	..	..	..	..	..	..	..	..	0
Niger	6,260	39	5,873	39	386	39	0	0	0	0	2	0	0
Nigeria	95,993	18	87,001	18	8,992	14	38	-80	59	-28	80	30	0
Rwanda	3,020	-48	3,000	-46	20	-92	0	-100	0	0	2	0	0
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	4,785	30	4,029	30	756	28	0	0	0	0	24	0	0
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	3,215	16	3,092	18	124	-12	0	0	0	0	2	1	1
Somalia	7,616	8	7,513	8	102	5	0	-100	0	0	0	0	..
South Africa	32,906	46	14,467	36	18,439	55	653	64	1988	19	482	1025	3
Sudan	9,289	23	7,207	23	2,082	23	2	0	3	-69	34	0	0
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	38,193	35	35,947	35	2,246	28	4	-67	25	32	6	5	0
Togo	1,156	41	872	33	284	73	0	0	0	0	3	2	0
Uganda	15,236	30	13,080	30	2,156	33	5	47	3	50	3	0	0
Zambia	8,051	31	7,219	29	832	58	18	-20	3	-2	5	1	0
Zimbabwe	8,192	8	6,260	2	1,932	34	68	148	74	-7	29	22	1
NORTH AFRICA													
Algeria	2,676	14	2,234	21	437	74	50	0	62	-48	337	0	0
Egypt	2,776	24	2,647	24	129	23	81	27	263	70	949	8	0
Libya	650	2	536	0	114	11	0	0	6	0	46	0	..
Morocco	1,324	-7	539	-31	785	21	35	-75	108	2	336	60	1
Tunisia	2,770	23	2,559	20	211	65	104	16	97	58	203	17	0
ALL AFRICA													

Source: Food and Agriculture Organization of the United Nations.

Notes: 0 = zero or less than half of the unit of measure; .. = not available.

# 14-4. Freshwater resources and withdrawals, 1970-2001

	Annual internal renewable										
	water resources		Annual river flows		Year of data	Annual withdrawals			Sectoral withdrawals (percent) Domestic Industrial Agricultural		
	Total (cubic km)	Per capita	From other countries (cubic km)	To other countries (cubic km)		Total (cubic km)	Percentage of water resources	Per capita (cubic meters)			
		2001									
		(cubic meters)									
SUB-SAHARAN AFRICA excluding South Africa excl S Africa & Nigeria											
Angola	184	14,288	..	..	1987	0.48	0.3	57	14	10	76
Benin	10	1,689	15.5	..	1994	0.15	1.4	28	23	10	67
Botswana	3	1,788	11.8	..	1992	0.11	3.8	81	32	20	48
Burkina Faso	18	1,466	..	..	1992	0.38	2.1	39	19	0	81
Burundi	4	538	..	..	1987	0.10	2.8	20	36	0	64
Cameroon	268	17,766	0.0	0.0	1987	0.40	0.1	38	46	19	35
Cape Verde	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	141	39,001	..	..	1987	0.07	0.0	26	21	6	73
Chad	15	1,961	28.0	..	1990	0.19	1.3	33	16	2	82
Comoros	..	..	..	..	..	..	..	..	..	..	..
Congo, Dem. Rep. of	935	18,101	84.0	..	1994	0.36	0.0	8	61	16	23
Congo, Rep. of	222	75,387	610.0	..	1987	0.04	0.0	20	62	27	11
Côte d'Ivoire	77	5,187	1.0	..	1987	0.70	0.9	66	22	11	67
Djibouti	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	30	66,275	0.0	..	1987	0.01	0.0	30	81	13	6
Eritrea	3	727	6.0	..	..	..	..	..	..	..	..
Ethiopia	110	1,758	0.0	..	1987	2.20	2.0	50	11	3	86
Gabon	164	133,754	0.0	..	1987	0.06	0.0	70	72	22	6
Gambia, The	3	2,298	5.0	..	1990	0.03	1.0	33	7	2	91
Ghana	30	1,499	22.9	..	1970	0.30	1.0	35	35	13	52
Guinea	226	30,416	0.0	..	1987	0.74	0.3	141	10	3	87
Guinea-Bissau	16	13,189	11.0	..	1991	0.02	0.1	17	60	4	36
Kenya	20	672	10.0	..	1990	2.05	10.1	87	20	4	76
Lesotho	5	2,430	0.0	..	1987	0.05	1.0	31	22	22	56
Liberia	200	63,412	32.0	..	1987	0.13	0.1	54	27	13	60
Madagascar	337	21,139	0.0	..	1990	19.70	5.8	1694	1	0	99
Malawi	18	1,605	1.1	..	1994	0.94	5.4	98	10	3	86
Mali	60	5,341	40.0	..	1987	1.36	2.3	164	2	1	97
Mauritania	0	150	11.0	..	1990	16.30	4,075.0	8046	6	2	92
Mauritius	..	..	..	..	..	..	..	..	..	..	..
Mozambique	100	5,081	116.0	..	1992	0.61	0.6	40	9	2	89
Namibia	6	3,592	39.3	..	1990	0.25	4.0	185	29	3	68
Niger	4	326	29.0	..	1990	0.50	14.3	65	16	2	82
Nigeria	221	1,982	59.0	..	1990	4.00	1.8	46	31	15	54
Rwanda	6	815	..	..	1993	0.77	12.2	134	5	1	94
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..
Senegal	26	2,784	13.0	..	1990	1.50	5.7	205	5	3	92
Seychelles	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	160	32,960	0.0	..	1987	0.37	0.2	98	7	4	89
Somalia	6	594	9.7	..	1987	0.81	13.5	115	3	0	97
South Africa	45	1,110	5.2	..	1990	13.30	29.7	391	17	11	72
Sudan	35	1,187	119.0	..	1995	17.80	50.9	669	5	1	94
Swaziland	..	..	..	..	..	..	..	..	..	..	..
Tanzania	80	2,387	9.0	..	1994	1.17	1.5	40	9	2	89
Togo	12	2,484	0.5	..	1987	0.09	0.8	28	62	13	25
Uganda	39	1,791	27.0	..	1970	0.20	0.5	20	32	8	60
Zambia	80	8,747	35.8	..	1994	1.71	2.1	214	16	7	77
Zimbabwe	14	1,208	5.9	..	1987	1.22	8.7	136	14	7	79
NORTH AFRICA											
Algeria	14	442	0.4	0.4	1990	4.50	32.4	180	25	15	60
Egypt	2	34	56.0	0.0	1993	55.10	2,395.7	920	6	8	86
Libya	1	143	0.0	0.0	1995	3.89	486.3	783	9	4	87
Morocco	30	1,058	0.0	0.2	1991	11.05	36.8	454	5	3	92
Tunisia	4	367	0.6	0.0	1996	2.83	80.4	312	13	2	86
ALL AFRICA											

Source: Food and Agriculture Organization of the United Nations.

Notes: 0 = zero or less than half of the unit of measure; .. = not available.

## 14-5. Marine and freshwater catches, aquaculture, balance of trade, and fish consumption

	Average annual		Average annual		Average annual				Average annual			Per capita annual food supply from fish and seafood Total 1997 (kg)
	marine catch a/		freshwater catch a/		aquaculture production				balance of trade b/			
	(000	%	(000	%	1995-97 (metric tons)				1995-97 (million US\$)			
	metric	change	metric	change	Marine fish	Dia- dromous fish	Fresh- water fish	Molluscs & Crus- taceans	Fish	Molluscs & crustaceans	Fish meal	
	tons)	since 1995-97	tons)	since 1995-97								
SUB-SAHARAN AFRICA												
excluding South Africa												
excl. S. Africa & Nigeria												
Angola	73	15	6.0	-23	..	..	..	..	-7.9	3.1	..	6.6
Benin	9	2	25.0	-6	..	..	..	..	-5.3	1.8	..	9.4
Botswana	..	..	2.0	20	..	..	..	..	-4.9	-0.3	-0.1	5.7
Burkina Faso	..	..	8.0	5	..	..	25	..	-3.1	0.0	..	1.2
Burundi	..	..	14.8	26	..	..	23	..	-0.1	0.0	..	3.2
Cameroon	64	24	23.0	15	..	..	55	..	-22.3	1.8	-0.3	9.2
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	..	..	12.7	-2	..	..	370	..	..	..	..	3.9
Chad	..	..	91.7	49	..	..	..	..	..	0.0	..	6.8
Comoros	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Dem. Rep. of	4	93	157.4	3	..	..	750	..	-26.6	7.0	..	25.3
Congo, Rep. of	19	-1	23.9	67	..	..	115	..	-50.4	..	..	5.7
Côte d'Ivoire	56	-28	11.3	-54	..	..	655	..	35.4	4.5	0.1	11.1
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	3	9	0.7	76	..	..	..	..	0.2	0.1	..	22.6
Eritrea	3	..	0.0	..	..	..	..	..	0.1	0.0	..	0.3
Ethiopia	0	..	8.5	..	..	..	46	..	-0.1	..	..	0.2
Gabon	33	89	8.8	365	..	..	53	..	-8.9	6.5	..	44.6
Gambia, The	26	211	2.5	-7	..	..	3	..	0.9	2.6	..	23.7
Ghana	352	29	67.9	35	..	..	500	..	64.4	2.1	..	22.5
Guinea	77	154	3.2	26	..	..	3	..	8.4	4.7	0.0	16.0
Guinea-Bissau	5	94	0.3	188	..	..	..	..	5.7	2.9	..	2.7
Kenya	4	-20	172.1	53	..	71	506	0	33.2	5.1	-0.5	4.8
Lesotho	..	..	0.0	..	..	4	10	..	..	..	..	..
Liberia	4	-62	4.0	0	..	..	0	..	-1.9	-0.1	..	4.9
Madagascar	71	101	30.0	-21	..	0	4,153	2,146	13.4	76.8	0.4	7.6
Malawi	..	..	57.9	-22	..	..	227	2	0.0	0.1	-0.4	5.7
Mali	..	..	114.8	102	..	..	73	..	-0.6	..	..	9.5
Mauritania	52	14	5.8	-3	..	..	..	..	22.1	104.6	..	14.2
Mauritius	..	..	..	..	..	..	..	..	..	..	..	..
Mozambique	13	-47	8.0	129	..	..	14	..	-5.4	73.5	..	2.0
Namibia	282	1,466	1.3	51	..	..	5	43	..	..	..	12.4
Niger	..	..	4.7	112	..	..	20	..	-0.9	0.0	..	0.8
Nigeria	224	46	106.0	14	..	24	17,014	..	-208.4	19.6	..	5.8
Rwanda	..	..	3.1	134	..	..	47	..	..	..	..	0.6
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	352	66	54.4	262	..	..	49	22	205.9	73.2	3.4	36.3
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	48	38	14.7	-9	..	..	28	..	13.1	9.9	..	13.4
Somalia	15	-9	0.3	-26	..	..	..	..	4.1	..	..	1.3
South Africa	497	-50	0.8	4	3	870	101	2,616	101.8	42.7	-37.1	7.8
Sudan	5	382	40.8	64	..	..	1,000	24	0.0	0.0	..	1.7
Swaziland	..	..	..	..	..	..	..	..	..	..	..	..
Tanzania	43	5	310.7	13	..	..	217	..	51.7	8.9	0.0	10.3
Togo	9	-24	5.0	43	..	..	21	..	-22.5	4.8	..	17.3
Uganda	..	..	207.3	11	..	..	205	..	38.5	..	..	9.8
Zambia	..	..	64.6	-2	..	..	4,550	1	-0.3	0.1	-0.2	8.2
Zimbabwe	..	..	16.9	-8	..	100	63	15	-14.7	-1.2	-0.9	3.3
NORTH AFRICA												
Algeria	99	42	0.0	-100	37	18	256	27	-7.2	2.1	..	3.5
Egypt	82	99	215.1	67	19,799	..	50,569	..	-108.4	-0.5	..	10.0
Libya	34	108	0.0	0	..	..	100	..	21.4	-0.1	..	6.0
Morocco	663	39	1.7	30	972	155	767	229	269.6	437.0	2.2	7.8
Tunisia	70	-10	0.7	..	886	138	380	111	7.5	76.9	-0.1	9.1

Source: Food and Agriculture Organization of the United Nations.

Notes: a. Aquaculture production is included in country totals.

b. Exports minus imports.

0 = zero or less than half of the unit of measure; .. = not available.



## 14-6. Energy production by source

	Energy production										
	From all sources			From non-renewable energy sources						Total electricity generated	
	(000 metric toe) (a)	% change since 1987	Per capita (kg oil equivalent)	Solid fuels	Liquid fuels	Gaseous fuels	Nuclear fuels	Other sources	(000 metric toe) (a)	% change since 1987	
				(000 metric toe) (a)	(000 metric toe) (a)	(000 metric toe) (a)	(000 metric toe) (a)	(000 metric toe) (a)			
	1997	1987	1997	1997	1997	1997	1997	1997	1997	1987	
SUB-SAHARAN AFRICA											
excluding South Africa											
excl. S. Africa & Nigeria											
Angola	41,430	89	3,537	0	35,700	465	0	0	95	37	
Benin	1,897	8	337	0	67	0	0	0	4	92	
Botswana	..	..	..	..	..	..	..	..	..	..	
Burkina Faso	..	..	..	..	..	..	..	..	..	..	
Burundi	..	..	..	..	..	..	..	..	..	..	
Cameroon	11,250	-7	808	0	6,357	0	0	0	269	25	
Cape Verde	..	..	..	..	..	..	..	..	..	..	
Central African Republic	..	..	..	..	..	..	..	..	..	..	
Chad	..	..	..	..	..	..	..	..	..	..	
Comoros	..	..	..	..	..	..	..	..	..	..	
Congo, Dem. Rep. of	14,364	29	299	56	1,315	0	0	0	517	11	
Congo, Rep. of	13,540	89	4,998	0	12,638	3	0	0	37	53	
Côte d'Ivoire	4,908	31	349	0	803	0	0	0	276	55	
Djibouti	..	..	..	..	..	..	..	..	..	..	
Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	
Eritrea	..	..	..	..	..	..	..	..	..	..	
Ethiopia	16,316	27	280	0	0	0	0	0	115	50	
Gabon	19,786	129	17,403	0	18,794	68	0	0	87	13	
Gambia, The	..	..	..	..	..	..	..	..	..	..	
Ghana	5,843	48	313	0	361	0	0	0	529	26	
Guinea	..	..	..	..	..	..	..	..	..	..	
Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	
Kenya	11,651	20	410	0	0	0	0	0	364	60	
Lesotho	..	..	..	..	..	..	..	..	..	..	
Liberia	..	..	..	..	..	..	..	..	..	..	
Madagascar	..	..	..	..	..	..	..	..	..	..	
Malawi	..	..	..	..	..	..	..	..	..	..	
Mali	..	..	..	..	..	..	..	..	..	..	
Mauritania	..	..	..	..	..	..	..	..	..	..	
Mauritius	..	..	..	..	..	..	..	..	..	..	
Mozambique	6,994	-1	379	0	0	0	0	0	86	199	
Namibia	..	..	..	..	..	..	..	..	..	..	
Niger	..	..	..	..	..	..	..	..	..	..	
Nigeria	191,034	55	1,839	86	117,249	4,429	0	0	1,305	35	
Rwanda	..	..	..	..	..	..	..	..	..	..	
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	
Senegal	1,654	32	189	0	0	20	0	0	108	52	
Seychelles	..	..	..	..	..	..	..	..	..	..	
Sierra Leone	..	..	..	..	..	..	..	..	..	..	
Somalia	..	..	..	..	..	..	..	..	..	..	
South Africa (a)	142,139	27	3,667	124,678	401	1,543	3,296	0	17,866	38	
Sudan	9,881	18	356	0	259	0	0	0	169	43	
Swaziland	..	..	..	..	..	..	..	..	..	..	
Tanzania	13,529	23	431	3	0	0	0	0	166	52	
Togo	..	..	..	..	..	..	..	..	..	..	
Uganda	..	..	..	..	..	..	..	..	..	..	
Zambia	5,556	16	647	106	0	0	0	0	689	-8	
Zimbabwe	8,152	9	727	2,712	0	0	0	0	628	15	
NORTH AFRICA											
Algeria	125,576	37	4,272	0	61,670	63,381	0	0	1,865	70	
Egypt	57,997	9	896	0	44,640	11,070	0	0	4,958	52	
Libya	78,942	43	15,151	0	73,067	5,750	0	0	1,563	17	
Morocco	836	3	31	211	242	23	0	231	1,129	64	
Tunisia	6,655	2	723	0	4,013	1,466	0	0	686	75	
ALL AFRICA											

Source: International Energy Agency (IEA)

Notes: a. Tons of oil equivalent. See technical notes for more information on toe.

0 = zero or less than half of the unit of measure; .. = not available or indeterminate.

## 14-7. Energy consumption by economic sector

	Energy Consumption by Economic Sector (% of total consumption)													
	Industry				Transportation								Commercial and public services	
	All industries		Iron and steel		Total		Air		Road		Agriculture		Commercial and public services	
	1987	1997	1987	1997	1987	1997	1987	1997	1987	1997	1987	1997	1987	1997
<b>SUB-SAHARAN AFRICA</b>														
excluding South Africa														
excl. S. Africa & Nigeria														
Angola		11.6		0.0		12.3		6.1		6.2			0.0	75.6
Benin		17.1		0.0		12.6		2.4		10.1			0.0	70.3
Botswana														
Burkina Faso														
Burundi														
Cameroon		17.0		0.0		11.6		1.0		10.6			0.5	69.7
Cape Verde														
Central African Republic														
Chad														
Comoros														
Congo, Dem. Rep. of		21.8		0.1		5.4		1.2		4.2			0.0	70.9
Congo, Rep. of		14.2		0.0		18.4		6.3		12.1			0.0	65.7
Côte d'Ivoire		7.0		0.0		16.0		3.1		12.5		1.2	12.1	62.0
Djibouti														
Equatorial Guinea														
Eritrea														
Ethiopia														
Gabon		23.2		0.0		19.6		6.7		11.0			0.9	51.5
Gambia, The														
Ghana	16.0	14.1	0.0	0.0	11.0	13.2	1.4	1.2	9.0	11.4	0.7	1.0	0.5	69.8
Guinea														
Guinea-Bissau														
Kenya		11.4		0.0		12.6		4.5		7.7		6.5	0.7	67.7
Lesotho														
Liberia														
Madagascar														
Malawi														
Mali														
Mauritania														
Mauritius														
Mozambique		7.8		0.0		1.5		0.4		1.1		0.6	3.4	85.0
Namibia														
Niger														
Nigeria		10.9		0.1		6.7		0.7		5.9			0.3	79.7
Rwanda														
São Tomé and Príncipe														
Senegal		17.0		0.0		24.0		10.0		12.6		2.3	0.6	55.3
Seychelles														
Sierra Leone														
Somalia														
South Africa	48.4	36.6	17.6	7.8	21.0	23.5	1.3	2.5	17.9	19.2	2.6	3.4	4.1	21.3
Sudan		7.4		0.0		17.8		1.0		16.9		0.1	2.0	70.9
Swaziland														
Tanzania		11.7		0.0		1.7		0.3		1.4		3.2	0.3	79.1
Togo														
Uganda														
Zambia		23.6		0.1		5.1		0.9		4.2		0.7	2.0	66.6
Zimbabwe		12.2		2.0		10.0		1.5		8.3		9.2	3.6	61.8
<b>NORTH AFRICA</b>														
Algeria	21.2	20.6	4.3	2.3	39.1	18.7	3.3	2.2	34.9	12.2	0.3	0.0	1.5	29.2
Egypt	49.6	47.8	0.7	0.5	19.8	20.6	2.9	3.6	16.9	16.9	0.5	0.6	0.0	22.9
Libya	32.5	33.8	0.0	0.0	36.8	38.0	6.1	3.4	30.7	34.6	0.0	0.0	0.0	9.5
Morocco	31.4	23.7	0.1	0.0	28.0	11.8	5.2	3.7	19.7	5.7	4.9	0.7	6.5	24.7
Tunisia	31.7	22.7	1.2	0.6	33.1	28.0	5.8	5.7	21.9	21.9	5.5	6.2	7.5	32.9
<b>ALL AFRICA</b>														

Source: International Energy Agency (IEA)

Notes: 0 = zero or less than half of the unit of measure; .. = not available or indeterminate.

# 14-8. CO<sub>2</sub> emissions from industrial processes, 1996

	CO <sub>2</sub> emissions (000 metric tons)							Per capita carbon emissions	
	Solid fuels 1996	Liquid fuels 1996	Gaseous fuels 1996	Gas flaring 1996	Cement manufacturing 1996	Total 1990	Total 1996	Total contribution Since 1950	(kilograms) 1996
<b>SUB-SAHARAN AFRICA</b>									
excluding South Africa									
excl. S. Africa & Nigeria									
Angola	0	2,151	344	2,465	149	4,650	5,108	145,552	450
Benin	0	465	0	0	189	564	656	14,762	120
Botswana	6,383	12,579	4	9	691	2,415	19,665	51,505	13,035
Burkina Faso	0	967	0	0	0	1,008	967	14,682	90
Burundi	18	202	0	0	0	194	220	3,975	35
Cameroon	4	3,213	0	0	299	1,488	3,517	86,507	260
Cape Verde	..	..	..	..	..	..	..	..	..
Central African Republic	0	234	0	0	0	198	234	5,866	70
Chad	0	99	0	0	0	143	99	5,027	14
Comoros	..	..	..	..	..	..	..	..	..
Congo, Dem. Rep. of	854	1,436	0	0	5	4,096	2,294	142,475	49
Congo, Rep. of	0	4,741	7	167	50	2,037	4,961	40,161	1,884
Côte d'Ivoire	0	12,817	0	0	249	9,907	13,066	185,109	946
Djibouti	..	..	..	..	..	..	..	..	..
Equatorial Guinea	0	143	0	0	0	117	143	2,862	349
Eritrea	..	..	..	..	..	..	..	..	..
Ethiopia	0	3,048	0	0	320	2,964	3,367	66,509	59
Gabon	0	2,041	1,587	0	65	6,112	3,690	135,432	3,333
Gambia, The	0	216	0	0	0	191	216	4,481	188
Ghana	7	3,342	0	0	698	3,539	4,045	109,271	223
Guinea	0	1,092	0	0	0	1,011	1,092	32,445	150
Guinea-Bissau	0	231	0	0	0	209	231	4,477	208
Kenya	267	5,760	0	0	747	5,822	6,775	180,020	243
Lesotho	..	..	..	..	..	..	..	..	..
Liberia	0	326	0	0	0	465	326	33,189	148
Madagascar	44	1,121	0	0	30	945	1,198	37,860	84
Malawi	44	616	0	0	70	601	733	18,184	75
Mali	0	462	0	0	10	421	473	12,025	46
Mauritania	15	2,876	0	0	60	2,634	2,950	40,648	1,232
Mauritius	..	..	..	..	..	..	..	..	..
Mozambique	158	821	0	0	15	997	997	89,149	56
Namibia	..	..	..	..	..	..	..	..	..
Niger	458	649	0	0	15	1,048	1,121	20,863	119
Nigeria	150	21,596	8,596	51,494	1,495	88,665	83,330	1,944,327	822
Rwanda	0	484	0	2	5	528	491	9,167	90
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..
Senegal	0	2,770	0	0	294	2,895	3,063	76,142	358
Seychelles	..	..	..	..	..	..	..	..	..
Sierra Leone	0	447	0	0	0	333	447	19,844	104
Somalia	0	0	0	0	15	18	15	13,747	2
South Africa (a)	227,707	56,821	3,532	0	4,684	291,108	292,746	8,541,575	7,678
Sudan	0	3,283	0	0	189	3,459	3,473	137,001	128
Swaziland	..	..	..	..	..	..	..	..	..
Tanzania	15	2,030	0	0	399	2,272	2,444	61,694	80
Togo	0	575	0	0	174	689	751	17,023	180
Uganda	0	986	0	0	50	846	1,033	32,837	53
Zambia	773	1,499	0	0	174	2,444	2,444	111,151	291
Zimbabwe	13,623	4,217	0	0	573	16,646	18,412	369,232	1,667
<b>NORTH AFRICA</b>									
Algeria	3,188	22,651	50,567	14,400	3,488	80,443	94,297	1,725,913	3,283
Egypt	3,419	57,778	27,707	0	8,969	75,434	97,873	1,856,890	1,541
Libya	15	25,348	9,966	3,482	1,769	37,772	40,579	855,830	7,978
Morocco	6,225	18,426	40	0	3,189	23,486	27,879	558,859	1,055
Tunisia	238	9,167	4,250	254	2,276	13,260	16,184	318,035	1,782
<b>ALL AFRICA</b>									

Sources: Carbon Dioxide Information Analysis Center.

Notes: Estimates are of the carbon dioxide emitted, 3.664 times the carbon it contains.

0 = zero or less than half the unit of measure, .. = not available

# 14-9. Globally threatened species: mammals, birds, and higher plants, late 1990s

	Mammals				Birds				Higher plants			
	Total number of known species			No. of species per 10,000 km <sup>2</sup> a/	Total number of known species			No. of species per 10,000 km <sup>2</sup> a/	Total number of known species			No. of species per 10,000 km <sup>2</sup> a/
	All species	Endemic species	Threatened species		Breeding species	Endemic species	Threatened species		All species b/	Endemic species	Threatened species	
SUB-SAHARAN AFRICA												
excluding South Africa												
excl. S. Africa & Nigeria												
Angola	276	7	17	56	765	12	13	156	5,000	1,260	20	1,055
Benin	188	0	9	85	307	0	1	138	2,000	..	2	990
Botswana	164	0	5	43	386	1	7	101	..	17	0	563
Burkina Faso	147	0	6	49	335	0	1	112	1,100	..	..	369
Burundi	107	0	5	76	451	0	6	322	2,500	..	0	1,783
Cameroon	409	14	32	114	690	8	14	193	8,000	156	67	2,310
Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..
Central African Republic	209	2	11	53	537	1	2	137	3,600	100	1	921
Chad	134	1	14	27	370	0	3	75	1,600	..	5	322
Comoros	..	..	..	..	..	..	..	..	..	..	..	..
Congo, Dem. Rep. of	450	28	38	74	929	24	26	153	2,867	1,100	69	1,818
Congo, Rep. of	200	2	10	62	449	0	3	140	4,350	1,200	2	1,870
Côte d'Ivoire	230	0	16	73	535	2	12	170	3,517	62	42	1,163
Djibouti	..	..	..	..	..	..	..	..	..	..	..	..
Equatorial Guinea	184	1	12	131	273	3	4	194	3,000	66	6	2,312
Eritrea	112	0	6	50	319	0	3	140	..	..	..	..
Ethiopia	255	31	35	54	626	28	20	133	6,500	1,000	125	1,398
Gabon	190	3	12	64	466	1	4	157	6,500	..	78	2,248
Gambia, The	117	0	4	112	280	0	1	269	966	..	0	935
Ghana	222	1	13	78	529	0	10	186	3,600	43	22	1,308
Guinea	190	1	11	66	409	0	12	142	3,000	88	29	1,043
Guinea-Bissau	108	0	4	71	243	0	1	159	1,000	12	..	655
Kenya	359	23	43	94	847	9	24	221	6,000	265	130	1,703
Lesotho	33	0	2	23	58	0	5	40	1,576	2	0	1,103
Liberia	193	0	11	87	372	1	13	168	2,200	103	1	993
Madagascar	141	93	46	37	202	105	28	53	9,000	6,500	255	2,479
Malawi	195	0	7	86	521	0	9	230	3,600	49	46	1,665
Mali	137	0	13	28	397	0	6	81	1,741	11	5	355
Mauritania	61	1	14	13	273	0	3	59	1,100	..	2	239
Mauritius	..	..	..	..	..	..	..	46	..	..	..	..
Mozambique	179	2	13	42	498	0	14	117	5,500	219	57	1,340
Namibia	250	3	11	58	469	3	8	109	3,978	687	14	942
Niger	131	0	11	27	299	0	2	60	1,170	..	..	238
Nigeria	274	4	26	62	681	2	9	153	4,614	205	16	1,059
Rwanda	151	0	9	110	513	0	6	373	2,288	26	0	1,664
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	..	..
Senegal	192	0	13	72	384	0	6	144	2,062	26	15	780
Seychelles	..	..	..	..	..	..	..	..	..	..	..	..
Sierra Leone	147	0	9	77	466	1	12	243	2,090	74	8	1,091
Somalia	171	12	18	43	422	11	8	107	3,000	500	57	768
South Africa	255	35	33	52	596	8	16	122	23,000	..	1,875	4,797
Sudan	267	11	21	43	680	1	9	110	3,132	50	2	507
Swaziland	..	..	..	..	..	..	..	303	..	..	..	..
Tanzania	316	15	33	70	827	24	30	183	10,000	1,122	326	2,231
Togo	196	0	8	110	391	0	1	220	2,484	..	0	1,739
Uganda	338	6	18	118	830	3	10	290	5,000	..	8	1,891
Zambia	233	3	11	56	605	2	10	145	4,600	211	5	1,141
Zimbabwe	270	0	9	81	532	0	9	159	4,200	95	73	1,325
NORTH AFRICA												
Algeria	92	2	15	15	192	1	8	32	3,100	250	125	520
Egypt	98	7	15	21	153	0	11	33	2,066	70	59	454
Libya	76	5	11	14	91	0	2	17	1,800	134	41	331
Morocco	105	4	18	30	210	0	11	60	3,600	625	182	1,049
Tunisia	78	1	11	31	173	0	6	69	2,150	..	6	873

Source: World Conservation Monitoring Centre (WCMC).

Notes: a. Values are standardized using a species-area curve.

b. Flowering plants only.

.. = not available.

# 14-10. Globally threatened species: reptiles, amphibians, and fish, late 1990s

	Reptiles				Amphibians				Freshwater fish		
	Total number of known species			No. of species per 10,000 km <sup>2</sup> a/	Total number of known species			No. of species per 10,000 km <sup>2</sup> a/	Total number of known species		
	All	Endemic	Threatened		All	Endemic	Threatened		All	Threatened	
	species	species	species		species	species	species		species	species b/	
SUB-SAHARAN AFRICA											
excluding South Africa											
excl. S. Africa & Nigera											
Angola	..	19	5	..	..	22	0	..	..	0	
Benin	..	1	2	..	..	0	0	..	150	0	
Botswana	157	2	0	41	38	0	0	10	92	0	
Burkina Faso	..	3	1	..	..	0	0	..	..	0	
Burundi	..	0	0	..	..	2	0	..	..	0	
Cameroon	183	21	3	51	190	66	1	53	354	26	
Cape Verde	..	..	..	..	..	..	..	..	..	..	
Central African Republic	129	0	1	33	47	0	0	12	..	0	
Chad	5	1	1	1	..	0	0	..	..	0	
Comoros	..	..	..	..	..	..	..	..	..	..	
Congo, Dem. Rep. of	377	35	3	62	80	53	0	13	..	1	
Congo, Rep. of	..	1	2	..	..	1	0	..	..	0	
Côte d'Ivoire	..	3	4	..	..	3	1	..	..	0	
Djibouti	..	..	..	..	..	..	..	..	..	..	
Equatorial Guinea	..	4	2	..	..	2	1	..	..	0	
Eritrea	85	1	3	38	19	2	0	8	..	0	
Ethiopia	188	9	1	40	62	24	0	13	150	0	
Gabon	..	3	3	..	..	4	0	..	..	0	
Gambia, The	47	1	1	45	30	0	0	29	79	0	
Ghana	..	1	4	..	..	4	0	..	..	0	
Guinea	..	3	3	..	..	3	1	..	..	0	
Guinea-Bissau	..	2	3	..	..	1	0	..	..	0	
Kenya	190	18	5	50	88	10	0	23	..	20	
Lesotho	..	2	0	..	..	0	0	..	8	1	
Liberia	62	2	3	28	38	4	1	17	..	0	
Madagascar	363	259	17	95	179	155	2	47	121	13	
Malawi	124	7	0	55	69	3	0	31	..	0	
Mali	16	4	1	3	..	1	0	..	..	0	
Mauritania	..	1	3	..	..	0	0	..	..	0	
Mauritius	..	..	..	..	..	..	..	..	..	..	
Mozambique	167	5	5	39	62	1	0	15	..	2	
Namibia	250	25	3	58	51	2	1	12	114	3	
Niger	..	0	1	..	..	0	0	..	..	0	
Nigeria	135	7	4	30	109	1	0	24	260	0	
Rwanda	..	1	0	..	..	1	0	..	..	0	
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..	..	
Senegal	100	1	7	37	2	1	0	1	79	0	
Seychelles	..	..	..	..	..	..	..	..	..	..	
Sierra Leone	..	1	3	..	..	2	0	..	..	0	
Somalia	193	49	2	49	27	3	0	7	..	3	
South Africa	315	97	19	65	108	49	9	22	94	27	
Sudan	..	8	3	..	..	1	0	..	..	0	
Swaziland	..	..	..	..	..	..	..	..	..	..	
Tanzania	289	61	4	64	133	49	0	30	..	19	
Togo	..	1	3	..	..	3	0	..	..	0	
Uganda	149	2	1	52	50	1	0	17	291	28	
Zambia	145	3	0	35	65	1	0	16	106	0	
Zimbabwe	153	2	0	46	120	3	0	36	112	0	
NORTH AFRICA											
Algeria	81	4	1	13	10	0	0	2	..	1	
Egypt	83	0	6	18	6	0	0	1	70	0	
Libya	56	1	3	10	3	0	0	1	..	0	
Morocco	90	11	2	26	11	1	0	3	..	1	
Tunisia	62	1	2	25	7	0	0	3	..	0	
ALL AFRICA											

Source: World Conservation Monitoring Centre (WCMC).

Notes: a. Values are standardized using a species-area curve.

b. Threatened species include a few marine species.

..= not available.

# 14-11. National protection of natural areas, 2001

All protected areas (IUCN categories I-V)						Number of Marine Protected Areas (a)		
Number	Area (000 ha)	Percent of land area	No. of Areas at least:		Total	Littoral	Marine	
			100,000 ha in Size	1 million ha in Size				
SUB-SAHARAN AFRICA excluding South Africa excl. S. Africa & Nigeria								
Angola	13	8,181	6.6	9	2	4	4	3
Benin	2	778	6.9	2	0	..	..	..
Botswana	12	10,499	18.0	7	3	..	..	..
Burkina Faso	12	2,855	10.4	6	1	..	..	..
Burundi	13	146	5.3	0	0	1	1	1
Cameroon	18	2,098	4.4	8	0	2	1	2
Cape Verde	..	..	..	..	..	..	..	..
Central African Republic	13	5,110	8.2	11	2	..	..	..
Chad	9	11,494	9.0	9	2	..	..	..
Comoros	..	..	..	..	..	..	..	..
Congo, Dem. Rep. of	15	10,191	4.3	9	4	1	1	0
Congo, Rep. of	9	1,545	4.5	5	0	1	1	1
Côte d'Ivoire	11	1,986	6.2	4	1	3	3	1
Djibouti	..	..	..	..	..	..	..	..
Equatorial Guinea	0	0	0.0	0	0	4	4	0
Eritrea	3	501	4.3	2	0	..	..	..
Ethiopia	21	5,518	5.0	14	0	..	..	..
Gabon	5	723	2.7	1	0	4	4	1
Gambia, The	6	23	2.0	0	0	5	5	3
Ghana	10	1,104	4.6	3	0	..	..	..
Guinea	3	164	0.7	1	0	1	0	1
Guinea-Bissau	0	0	0.0	0	0	2	2	1
Kenya	50	3,507	6.0	7	1	14	13	10
Lesotho	1	7	0.2	0	0	..	..	..
Liberia	1	129	1.2	1	0	..	..	..
Madagascar	40	1,121	1.9	1	0	3	3	1
Malawi	9	1,059	8.9	3	0	..	..	..
Mali	13	4,532	3.7	8	2	..	..	..
Mauritania	9	1,746	1.7	3	1	5	5	2
Mauritius	..	..	..	..	..	..	..	..
Mozambique	11	4,779	6.0	7	1	7	7	6
Namibia	20	10,616	12.9	7	3	4	4	0
Niger	6	9,694	7.7	4	2	..	..	..
Nigeria	27	3,021	3.3	9	0	..	..	..
Rwanda	6	362	13.8	1	0	..	..	..
São Tomé and Príncipe	..	..	..	..	..	..	..	..
Senegal	12	2,181	11.1	3	0	7	6	6
Seychelles	..	..	..	..	..	..	..	..
Sierra Leone	2	82	1.1	0	0	..	..	..
Somalia	2	180	0.3	1	0	2	2	2
South Africa	390	6,619	5.4	6	1	20	17	8
Sudan	11	8,642	3.4	6	2	2	0	2
Swaziland	..	..	..	..	..	..	..	..
Tanzania	39	13,817	14.6	19	3	9	8	8
Togo	9	429	7.6	2	0	1	0	1
Uganda	37	1,913	7.9	6	0	..	..	..
Zambia	35	6,366	8.5	11	1	..	..	..
Zimbabwe	48	3,071	7.9	6	1	..	..	..
NORTH AFRICA								
Algeria	18	5,891	2.5	2	2	8	6	3
Egypt	16	794	0.8	1	0	18	16	6
Libya	8	173	0.1	1	0	5	2	3
Morocco	12	317	0.7	1	0	10	9	3
Tunisia	7	45	0.3	0	0	7	5	4
ALL AFRICA								

Source: World Conservation Monitoring Centre (WCMC).

Notes: a. Includes areas with substantial terrestrial components that reach the shore. An area can be both, marine and littoral (see technical notes).  
0 = zero or less than half the unit of measure. .. = not available or indeterminate.

## 14-12. International protected areas, 2001

	International protection systems					
	Biosphere reserves		World heritage sites		Wetlands of international importance	
	Number	Area (000 ha)	Number	Area (000 ha)	Number	Area (000 ha)
<b>SUB-SAHARAN AFRICA</b>	..	..	..	..	..	..
excluding South Africa	..	..	..	..	..	..
excl. S. Africa & Nigeria	..	..	..	..	..	..
Angola	0	..	0	0	0	..
Benin	1	623	0	0	2	139
Botswana	0	..	0	0	1	6,864
Burkina Faso	1	186	0	0	3	299
Burundi	0	..	0	0	0	..
Cameroon	3	850	1	526	0	..
Cape Verde	..	..	..	..	..	..
Central African Republic	2	1,640	1	1,740	0	..
Chad	0	..	0	0	1	195
Comoros	..	..	..	..	..	..
Congo, Dem. Rep. of	3	283	5	6,855	2	866
Congo, Rep. of	2	246	0	0	1	439
Côte d'Ivoire	2	1,480	3	1,484	1	19
Djibouti	..	..	..	..	..	..
Equatorial Guinea	0	..	0	0	0	..
Eritrea	0	..	0	0	0	..
Ethiopia	0	..	1	22	0	..
Gabon	1	15	0	0	3	1,080
Gambia, The	0	..	0	0	1	20
Ghana	1	8	0	0	6	178
Guinea	2	133	1	13	6	225
Guinea-Bissau	1	110	0	0	1	39
Kenya	5	891	2	300	2	49
Lesotho	0	..	0	0	0	..
Liberia	0	..	0	0	0	..
Madagascar	1	140	1	152	2	53
Malawi	0	..	1	9	1	225
Mali	1	2,349	1	400	3	162
Mauritania	0	..	1	1,200	2	1,216
Mauritius	1	4	0	0	0	..
Mozambique	0	..	0	0	0	..
Namibia	0	..	0	0	4	630
Niger	1	25,128	2	7,957	1	220
Nigeria	1	0	0	0	0	..
Rwanda	1	15	0	0	0	..
São Tomé and Príncipe	..	..	..	..	..	..
Senegal	3	1,094	2	929	4	100
Seychelles	..	..	..	..	..	..
Sierra Leone	0	..	0	0	1	295
Somalia	0	..	0	0	0	..
South Africa	0	104	0	0	16	493
Sudan	2	1,901	0	0	0	..
Swaziland	0	..	0	0	0	..
Tanzania	2	2,338	4	6,860	0	..
Togo	0	..	0	0	2	194
Uganda	1	220	2	132	1	15
Zambia	0	..	1	7	2	333
Zimbabwe	0	..	2	733	0	..
<b>NORTH AFRICA</b>	..	..	..	..	..	..
Algeria	3	7,294	1	8,000	3	5
Egypt	2	2,456	0	0	2	106
Libya	0	..	0	0	0	..
Morocco	1	2,569	0	0	4	14
Tunisia	4	32	1	13	1	13
<b>ALL AFRICA</b>	<b>48</b>	<b>52,109</b>	<b>33</b>	<b>37,332</b>	<b>79</b>	<b>14,486</b>

Source: World Conservation Monitoring Centre (WCMC), United Nations Educational, Scientific, and Cultural Organization (UNESCO), and Ramsar Convention Bureau, Switzerland.

Notes: 0 = zero or less than half the unit of measure. .. = not available or indeterminate.

## Technical notes

### Tables

These notes are based on technical notes for each table as presented in WRI 2001. They have been edited and shortened for this volume. Readers are urged to consult the original source for details.

**Table 14-1. Forest resources, 1990–95.** Total forest consists of all forest area for temperate countries and the sum of natural forest and plantation area categories.

FAO defines a *natural forest* as a forest composed primarily of indigenous (native) tree species. Natural forests include closed forest, where trees cover a high proportion of the ground and where grass does not form a continuous layer on the forest floor (e.g., broad-leaved forests, coniferous forests, and bamboo forests), and open forest, which FAO defines as mixed forest/grasslands with at least 10 percent tree cover and a continuous grass layer on the forest floor. Natural forests encompass all stands except plantations and include stands that have been degraded to some degree by agriculture, fire, logging, and other factors.

*Plantations* refer to forest stands established artificially by afforestation and reforestation for industrial and nonindustrial usage. Reforestation does not include regeneration of old tree crops (through either natural regeneration or forest management), although some countries may report regeneration as reforestation. Many trees are also planted for nonindustrial uses, such as village wood lots. Reforestation data often exclude this component. The data presented here reflect plantation survival rates as estimated by FAO.

*Average annual percent change* is shown as a percentage of the exponential growth rate. If negative (in parentheses), these figures reflect net deforestation, which is defined as the clearing of forest lands for all forms of agricultural uses (shifting cultivation, permanent agriculture, and ranching) and for other land uses such as settlements, other infrastructure, and mining. In tropical countries, this entails clearing that reduces tree crown cover to less than 10 percent. Deforestation, as defined here, does not reflect changes within the forest stand or site, such as selective logging (unless the forest cover is permanently reduced to less than 10 percent).

**Table 14-2. Forest ecosystems, 1996.** *Closed forests* exclude some woodlands and wooded savanna.

*Original forest as a percentage of land area* refers to the estimate of the percentage of land that would have been covered by closed forest about 8,000 years ago, assuming current climatic conditions, before large-scale disturbance by human society began.

*Current forests* refer to estimated closed forest cover within the past 10 years or so (this varies by country). Only closed moist forests are given for Africa.

*Frontier forests* are large, relatively intact forest ecosystems. They represent undisturbed forest areas that are large enough to maintain all of their biodiversity, including viable populations of wide-ranging species associated with each forest type.

*Percentage of frontier forests threatened* refers to frontier forests where ongoing or planned human activities such as logging, mining, and other large-scale disturbances will eventually degrade the ecosystem



through species decline or extinction, drastic changes in the forest's age structure, etc., and would result, if continued, in the violation of one of the above-mentioned criteria.

*Tropical forests* include all forests located between the Tropics of Cancer and Capricorn. All other forests are put into the *nontropical* category.

*Percentage protected* includes forest areas that fall within the protected areas in the world that are listed as the World Conservation Union's (IUCN) management categories I-V.

**Table 14-3. Wood production and trade, 1986–98.**

*Total roundwood production* refers to all wood in the rough, whether destined for industrial or fuelwood uses.

*Industrial roundwood production* comprises all roundwood products other than fuelwood and charcoal.

*Processed wood production* includes sawnwood and panels.

*Paper and paper board* includes newsprint, printing and writing paper, and other paper and paperboard.

*Trade in forest products* is the balance of imports minus exports.

**Table 14-4. Freshwater resources and withdrawals, 1970–2001.**

Annual internal renewable water resources refer to the average annual flow of rivers and groundwater generated from endogenous precipitation. Caution should be used when comparing different countries because these estimates are based on differing sources and dates. These annual averages also disguise large seasonal, inter-annual, and long-term variations. When data for annual river flows from and to other countries are not shown, the internal renewable water resources figure may include these flows. Per capita annual internal renewable water resource data were calculated using 2001 population estimates.

Annual withdrawals as a percentage of water resources refer to total water withdrawals, not counting evaporative losses from storage basins, as a percentage of internal renewable water resources and river flows from other countries. Water withdrawals also include water from desalination plants in countries where that source is a significant part of all water withdrawals.

Per capita annual withdrawals were calculated using national population data for the year of data shown for withdrawals.

Sectoral withdrawals are classified as domestic (drinking water, homes, commercial establishments, public services [for example, hospitals], and municipal use or provision); industry (including water withdrawn to cool thermoelectric plants); and agriculture (irrigation and livestock).

**Table 14-5. Marine and freshwater catches, aquaculture, balance of trade, and fish consumption.**

*Marine and freshwater catch* data refer to marine and freshwater fish, killed, caught, trapped, collected, bred, or cultivated for commercial, industrial, and subsistence use (catches from recreational activities are included where available). Crustaceans and mollusks are included. Statistics for mariculture, aquaculture, and other kinds of fish farming are included in the country totals. Figures are the national totals averaged over a 3-year period; they include fish caught by a country's fleet anywhere in the world. Catches of freshwater species caught in low-salinity seas are included in the statistics of the appropriate marine area. Marine catch includes catches of diadromous (migratory between saltwater and freshwater) species.

Data are represented as nominal catches, which are the landings converted to a live-weight basis, that is, the weight when caught.

Landings for some countries are identical to catches.

*Aquaculture* is defined by FAO as "the farming of aquatic organisms, including fish, mollusks, crustaceans, and aquatic plants. Farming implies some form of intervention in the rearing process to enhance production, such as regular stocking, feeding, and protection from predators, etc. [It] also implies ownership of the stock being cultivated. . . ." Aquatic organisms that are exploitable by the public as a common property resource are included in the harvest of fisheries.

*Marine fish* include a variety of species groups such as mullets, sea basses, groupers, snappers, tunas, mackerels, etc. *Diadromus fish* include surgeons, river eels, salmons, trouts, etc. *Freshwater fish* include

carps, perches, catfish, and tilapias, among others. Mollusks include freshwater molluscs, oysters, mussels, scallops, clams, abalones, and cephalopods. *Crustaceans* include, among others, freshwater crustaceans, crabs, lobsters, shrimps, and prawns. Data on whales and other marine mammals are excluded from this table.

*Balance of trade* is defined as exports minus imports. Figures are the national totals averaged over a 3-year period in millions of U.S. dollars. Imports are usually on a cost, insurance, and freight basis (c.i.f.) (i.e., insurance and freight costs added in). Exports are generally on a free-on-board basis (FOB) (i.e., not including insurance or freight costs). A surplus of imports over exports is shown in parentheses. Trade in *fish* includes fish that is fresh, frozen, chilled, salted, or smoked as well as fish products and preparations. Trade in *mollusks and crustaceans* includes mollusks and crustaceans that are fresh, chilled, smoked, derived products, etc. Trade in *fish meal* includes meals, solubles, etc.

*Per capita annual food supply from fish and seafood* is the quantity of both freshwater and marine fish, seafood, and derived products available for human consumption. Data on aquatic plants and whale meat are excluded from the totals. The amount of fish and seafood actually consumed may be lower than the figures provided, depending on how much is lost during storage, preparation, and cooking, and on how much is discarded. Data are presented in kilograms per capita. Years shown are 3-year averages.

**Table 14-6. Energy production by source.** All energy data in a common unit of 1,000 metric tons of oil equivalent (toe) to facilitate comparisons of energy sourcing, consumption, substitution, and conservation. A toe is defined as 41.868 gigajoules.

*Energy production from all sources* is the amount of energy from all sources produced by each country in the year specified. In addition to solid, liquid, and gaseous fuels and nuclear electricity, the total also includes hydropower, geothermal, solar, wind, tidal, wave, combustible renewables and waste, and indigenous heat production from heat pumps. *Per capita* shows the amount produced per person for that country.

Energy production from *solid fuels* is the energy produced from all types of primary coal (i.e., hard coal or lignite). Peat is also included in the category.

Energy production from *liquid fuels* is energy produced from liquid fuels such as crude oil or natural gas liquids.

Energy production from *gaseous fuels* is the amount of energy produced from natural gas.

Energy production from *nuclear fuels* shows the primary heat equivalent of the electricity produced by nuclear power plants. Heat-to-electricity conversion efficiency is assumed to be 33 percent.

*Total electricity generated* is the toe equivalent of the electrical energy produced by thermal, nuclear, geothermal, hydropower (excluding pumped storage production), and other power plants. Electricity generated is not a primary energy source and should not be mistakenly added to the energy production from primary sources presented in this table. These data were converted from gigawatt-hours to toe using a conversion rate of 1Gwh = 86 toe.

**Table 14-7. Energy consumption by economic sector.** *Industry* sector includes energy consumption by the iron and steel industry, chemical industry, non-ferrous metals basic industries, nonmetallic mineral products (glass, ceramic, cement, etc.), transport equipment, machinery, mining and quarrying, food and tobacco, paper, pulp and print, wood and wood products, construction, textile and leather, and any unspecified industry.

*Iron and steel* consumption is the energy consumed by the iron and steel industry as a percentage of the total energy consumed by the country.

*Transportation* sector includes all fuel for air, road, and water transport except fuel used for international marine bunkers and for ocean, coastal, and inland fishing. *Air* transportation includes both international and domestic civil aviation. *Road* transportation includes all human and cargo transport along national road networks.

*Agriculture* refers to all agricultural and forestry activity, including ocean, coastal, and inland fishing.

*Commercial and public services* refer to service sectors such as stores, repair shops, and restaurants.

*Residential* sector includes household energy use.

The IEA reports that it can be difficult to distinguish accurately between the agriculture, commercial, and public services sectors and that a figure for "total energy use" is more accurate than totals for the individual sectors.

**Table 14-8. CO<sub>2</sub> emissions from industrial processes, 1996.** This table includes data on industrial additions to the carbon dioxide flux from solid fuels, liquid fuels, gas fuels, gas flaring, and cement manufacture. The Carbon Dioxide Information Analysis Center (CDIAC) annually calculates emissions of CO<sub>2</sub> from the burning of fossil fuels and the manufacture of cement for most of the countries of the world. Estimates of total and per capita national emissions do not include bunker fuels used in international transport because of the difficulty of apportioning these fuels among countries benefiting from that transport. Emissions from bunker fuels are shown separately for the country where the fuel was delivered.

Emissions of CO<sub>2</sub> are often calculated and reported in terms of their content of elemental carbon. CDIAC reports them that way. For this table, CDIAC's figures were converted to the actual mass by 3.664 (the ratio of the mass of carbon to that of CO<sub>2</sub>).

Solid, liquid, and gas fuels are primarily, but not exclusively, coals, petroleum products, and natural gas. Gas flaring is the practice of burning off gas released in the process of petroleum extraction, a practice that is declining. During cement manufacture, cement is calcined to produce calcium oxide. In the process, 0.498 metric ton of CO<sub>2</sub> is released for each metric ton of cement produced. Total emissions consist of the sum of the CO<sub>2</sub> produced during the consumption of solid, liquid, and gas fuels, and from gas flaring and the manufacture of cement.

Combustion of different fossil fuels releases CO<sub>2</sub> at different rates for the same level of energy production. Burning oil releases about 1.5 times the amount of CO<sub>2</sub> released from burning natural gas; burning coal releases about twice as much CO<sub>2</sub> as natural gas.

**Table 14-9. Globally threatened species: mammals, birds, and higher plants, late 1990s.** The total number of known species may include introductions in

some instances. Data on mammals exclude cetaceans (whales and porpoises), except where otherwise indicated. Threatened bird species are listed for countries included within their breeding or wintering ranges. Higher plants refer to numbers of native vascular plant species, as totals are of full species only, rather than of species and subspecies. The number of endemic species refers to those species known to be found only within the countries listed. Figures are not necessarily comparable among countries because taxonomic concepts and the extent of knowledge vary (for the latter reason, country totals of species and endemics may be underestimates). In general, numbers of mammals and birds are fairly well known, while plants have not been as well inventoried.

The World Conservation Union classifies threatened and endangered species in six categories.

*Endangered.* "Taxa in danger of extinction and whose survival is unlikely if the causal factors continue operating."

*Vulnerable.* "Taxa believed likely to move into the endangered category in the near future if the causal factors continue operating."

*Rare.* "Taxa with world populations that are not at present endangered or vulnerable, but are at risk."

*Indeterminate.* "Taxa known to be endangered, vulnerable, or rare but where there is not enough information to say which of the three categories is appropriate."

*Out of danger.* "Taxa formerly included in one of the above categories, but which are now considered relatively secure because effective conservation measures have been taken or the previous threat to their survival has been removed."

*Insufficiently known.* "Taxa that are suspected but not definitely known to belong to any of the above categories."

The number of threatened species listed for all countries includes full species that are endangered, vulnerable, rare, indeterminate, and insufficiently known, but excludes introduced species or those known to be extinct.

Number of species per 10,000 square kilometers provides a relative estimate for comparing numbers of species among countries of differing size. Because the relationship between area and species number is

nonlinear (that is, as the area sampled increases, the number of new species located decreases), a species-area curve has been used to standardize these species numbers.

**Table 14-10. Globally threatened species: reptiles, amphibians, and fish, late 1990s.** Threatened marine turtles and marine fish are excluded from country totals. Endangered fish species numbers do not include approximately 250 haplochromine and 2 tilapiine species of Lake Victoria cichlids, since the ranges of these species are undetermined.

The number of species per 10,000 square kilometers provides a relative estimate for comparing numbers of species among countries of differing size.

**Table 14-11. National protection of natural areas, 2001.** All protected areas combine natural areas in five World Conservation Union (formerly the International Union for Conservation of Nature and Natural Resources, IUCN), management categories (areas at least 1,000 hectares).

Totally protected areas are maintained in a natural state and are closed to extractive uses. They encompass the following three management categories: *category I*, scientific reserves and strict nature reserves; *category II*, national parks and provincial parks; and *category III*, natural monuments and natural landmarks.

Partially protected areas are areas that may be managed for specific uses, such as recreation or tourism, or areas that provide optimum conditions for certain species or communities of wildlife. Some extractive use within these areas is allowed. They encompass two management categories: *category IV*, managed nature reserves wildlife sanctuaries; and *category V*, protected landscapes and seascapes.

Protected areas between at least 100,000 hectares and 1 million hectares in size refer to all IUCN category I–V protected areas that fall within these two classifications.

IUCN has an additional management category, category VI, which includes areas “managed mainly for the sustainable use of natural ecosystems.” These areas contain predominantly unmodified natural systems, managed to ensure long-term protection and maintenance of biological diversity, while also pro-

viding a sustainable flow of natural products and services to meet community needs.

*Marine protected areas* include protected areas in any of the IUCN categories (I–VI) that are marine or have a marine component. IUCN defines a “marine protected area” as “any area of intertidal or subtidal terrain, together with its overlying water and associated flora and fauna, historical and cultural features, which has been reserved by law or other effective means to protect part or all of the enclosed environment.” Marine protected areas (MPAs) include areas that are fully marine as well as areas that have only a small area of intertidal land. Many of these MPAs have large terrestrial areas. The extent of the marine portion of most protected areas is rarely documented. The degree of protection varies from one country to another, and it may bear little relationship to the legal status of any site. The categories of *marine* and *littoral* are not exclusive. One protected area can be littoral and marine, therefore adding numbers under these two different categories may produce a higher number than the total for MPAs. Littoral is defined as any site that is known to incorporate at least some intertidal area. Such sites can also include marine and/or terrestrial elements. All sites with mangrove and saltmarsh communities are recorded as littoral. Marine is defined as any site that is known to incorporate at least some subtidal area permanently submerged under the ocean. Such sites can also include littoral and terrestrial elements. All sites with coral reefs and seagrasses are recorded as marine.

The values in this table do not include locally or provincially protected sites, or privately owned areas.

**Table 14-12. International protected areas, 2001.** Internationally protected areas usually include sites that are listed under national protection systems.

Biosphere reserves are representative of terrestrial and coastal environments that have been internationally recognized under the Man and the Biosphere Programme of UNESCO.

World heritage sites represent areas of “outstanding universal value” for their natural features, their cultural value, or for both natural and cultural values. The table includes only natural and mixed natural and cultural sites.

Any party to the Convention on Wetlands of International Importance, especially as it pertains to waterfowl habitat, agrees to respect the site's integrity and to establish wetland reserves can designate wetlands of international importance.

Marine and coastal protected areas refer to all protected areas greater than 1,000 hectares with littoral, coral, island, marine, or estuarine components. The area given is the whole protected area.

## The Heavily Indebted Poor Countries (HIPC) Debt Initiative

**T**he Heavily Indebted Poor Countries (HIPC) debt initiative was proposed by the World Bank and IMF, and agreed to by governments around the world in the fall of 1996. It was the first comprehensive approach to reduce the external debt of the world's poorest, most heavily indebted countries, and represented an important step forward in placing debt relief within an overall framework of poverty reduction. While the initiative yielded significant early progress, multilateral organizations, bilateral creditors, HIPC governments, and civil society have been engaged in an intensive dialogue about the strengths and weaknesses of the program. A major review in 1999 has resulted in a significant enhancement of the original framework, and has produced a HIPC Initiative which is "deeper, broader, and faster."

### Which countries qualify?

- The poorest countries, those that are only eligible for highly concessional assistance from the International Development Association (IDA)—the part of the World Bank that lends on highly concessional terms—and from the IMF's Poverty Reduction and Growth Facility (previously the Enhanced Structural Adjustment Facility).

- Those that also face an unsustainable debt situation even after the full application of traditional debt relief mechanisms (such as application of Naples terms under the Paris Club Agreement).

### How the HIPC Initiative works

Under the enhanced framework, countries for which existing mechanisms would not achieve debt sustainability at the decision point will now receive assistance under the HIPC Initiative starting at the decision point.

In contrast to the original framework, where debt reduction was calculated on projections of debt stock at the completion point, relief under the new framework will be committed based on actual data at the decision point. This modification not only adds greater certainty to the calculations, but will in most cases increase the amount of relief actually provided, since most countries will reduce their NPV debt-to-export and debt-to-revenue ratios between the decision and completion points.

In short, under the enhanced framework, the benefits of export and central government revenue will accrue fully to the country, allowing for greater investment in poverty reduction strategies.

**Creditors participation**

All creditors participate in providing exceptional assistance beyond current mechanisms as required to reach debt sustainability. Creditors share the costs of HIPC assistance based on broad and equitable burden sharing, and provide relief that is proportional to their share of the debt after the full application of traditional forms of debt relief; these forms include Naples terms from Paris Club creditors, which provide a 67 percent NPV reduction on eligible debt.

**HIPC Eligible Countries (42 countries)****Africa** (34 countries)

Angola  
Benin  
Burkina Faso  
Burundi  
Cameroon  
Central African Republic  
Chad  
Comoros  
Congo, Rep. of  
Congo, Dem. Rep.  
Côte d'Ivoire  
Ethiopia  
The Gambia  
Ghana  
Guinea  
Guinea-Bissau  
Kenya

Liberia  
Madagascar  
Malawi  
Mali  
Mauritania  
Mozambique  
Niger  
Rwanda  
São Tomé and Príncipe  
Senegal  
Sierra Leone  
Somalia  
Sudan  
Tanzania  
Togo  
Uganda  
Zambia

**Latin America** (4 countries):

Bolivia  
Guyana  
Honduras  
Nicaragua

**Asia** (3 countries)

Lao, People's Dem. Rep.  
Myanmar  
Vietnam

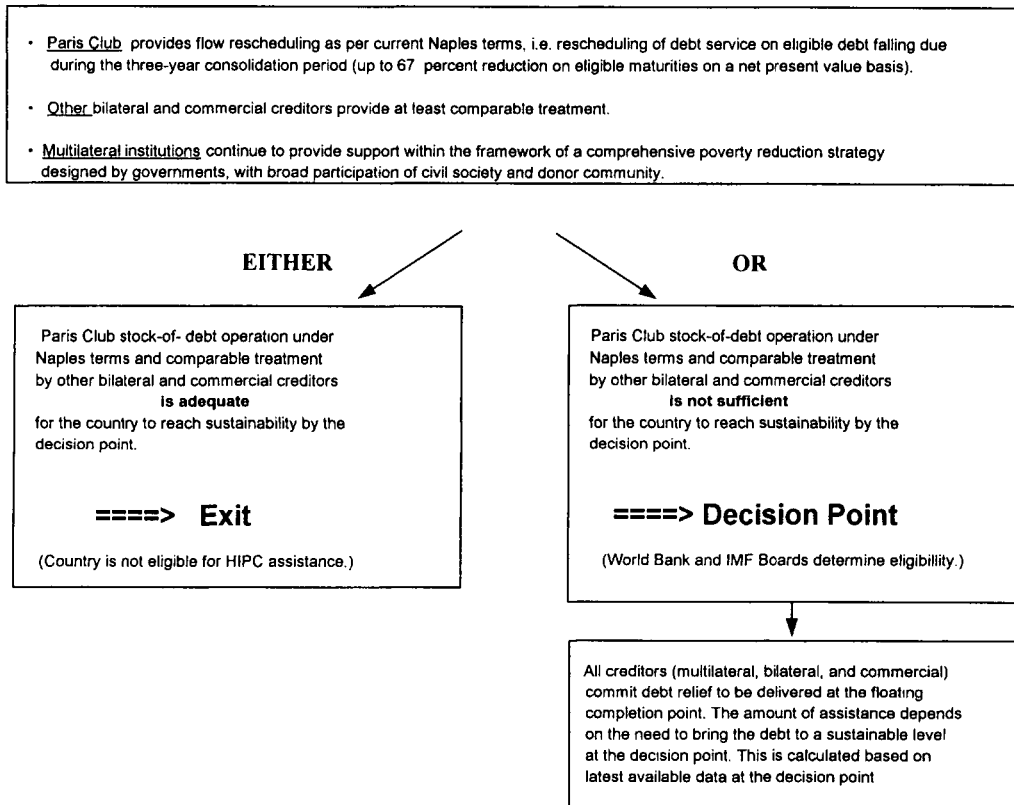
**Middle East** (1 country):

Yemen, Rep. of

## 15-1. HIPC DEBT INITIATIVE: Flow Chart

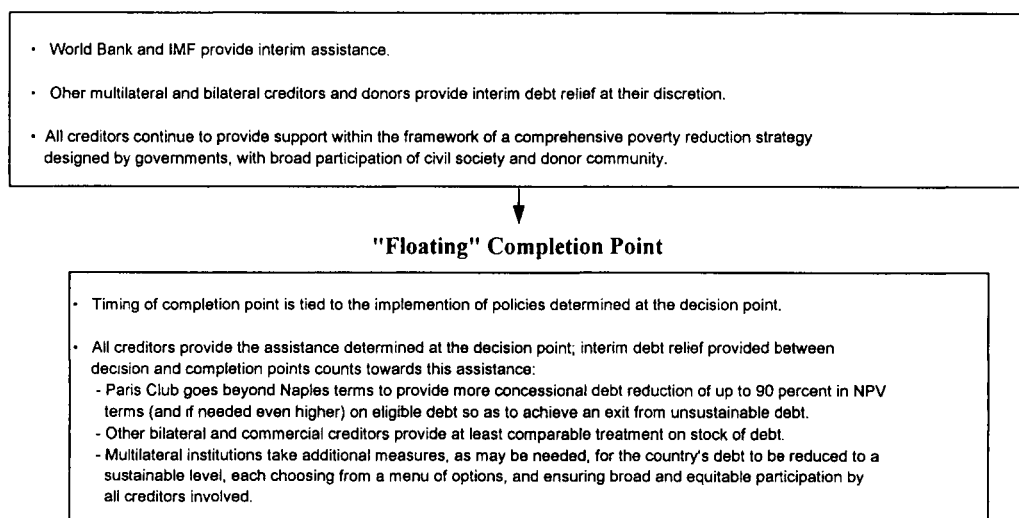
### *First Stage*

Country established three-year track record of good performance and develops together with civil society a Poverty Reduction Strategy Paper (PRSP); in early cases, an interim PRSP may be sufficient to reach the decision point.



### *Second Stage*

Country establishes a second track record by implementing the policies determined at the decision point (which are triggers to reaching the floating completion point) and linked to the (interim) PRSP.





## 15-2. Grouping of African HIPC Countries: Status as of December 2001

Heavily Indebted Poor Countries (34) <sup>1/</sup>				
Angola *	Congo, Dem. Rep.*	Kenya	Rwanda*	Uganda
Benin	Congo, Rep. of *	Liberia *	Sao Tome and Principe	Zambia
Burkina Faso	Cote d'Ivoire	Madagascar	Senegal	
Burundi *	Ethiopia	Malawi	Sierra Leone*	
Cameroon	The Gambia	Mali	Somalia *	
Central African Republic*	Ghana	Mauritania	Sudan *	
Chad	Guinea	Mozambique	Tanzania	
Comoros	Guinea-Bissau *	Niger	Togo	

HIPC RELIEF APPROVED AT DECISION POINT (20)			DECISION POINT NOT YET REACHED (11)		(POTENTIALLY) SUSTAINABLE CASES (2)
Benin	Madagascar	Senegal	Burundi	Sierra Leone <sup>3/</sup>	Angola
Burkina Faso	Malawi	Tanzania <sup>2/</sup>	Central African Rep	Somalia	Kenya
Cameroon	Mali	Uganda <sup>2/</sup>	Comoros	Sudan	
Chad	Mauritania	Zambia	Congo, Dem. Rep.	Togo	
Ethiopia	Mozambique <sup>2/</sup>		Congo, Rep. of		
The Gambia	Niger		Cote d'Ivoire		
Guinea	Rwanda		Ghana <sup>3/</sup>		
Guinea-Bissau	Sao Tome and Principe				

Sources: HIPC documents; and IMF and World Bank staff estimates.

\* Conflict-affected countries

1/ Comoros has been added to the group as a preliminary assessment of its debt situation showed a potential need for HIPC

2/ Completion point countries.

3/ Preliminary documents considered by the Boards

# 15-3. Debt Service for Individual African HIPCs that Reached Decision Points, by Country, 1998-2005

		(In million of US dollars, unless otherwise indicated)							
		1998	1999	2000	2001	2002	2003	2004	2005
<b>Benin</b>									
Debt service paid		64	66						
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>				63	46	43	39	39	37
Debt service/exports (in percent)		16	17	17	11	9	8	7	6
Debt service/government revenue (in percent)		17	18	12	10	8	7	6	5
Debt service/GDP (in percent)		3	3	3	2	1	1	1	1
<b>Burkina Faso</b>									
Debt service paid		60	53						
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>				34	30	35	38	40	41
Debt service/exports (in percent)		16	18	12	9	10	9	9	8
Debt service/government revenue (in percent)		18	14	9	7	7	7	7	6
Debt service/GDP (in percent)		2	2	1	1	1	1	1	1
<b>Cameroon</b> <sup>2/</sup>									
Debt service paid <sup>3/</sup>		401	401	312					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>					226	242	291	328	347
Debt service/exports (in percent)		18	15	11	8	8	9	9	9
Debt service/government revenue (in percent)		28	24	18	12	12	13	13	12
Debt service/GDP (in percent)		4	4	3	2	2	3	3	3
<b>Chad</b>									
Debt service paid <sup>4/</sup>		38	39	33					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>					22	25	25	32	36
Debt service/exports (in percent)		12	16	14	9	9	9	8	2
Debt service/government revenue (in percent)		29	31	29	16	16	14	15	11
Debt service/GDP (in percent)		2	3	2	1	1	1	2	1
<b>Ethiopia</b> <sup>2/</sup>									
Debt service paid <sup>4/</sup>		104	91	161					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>					105	74	85	100	100
Debt service/exports (in percent)		11	9	17	10	7	7	8	7
Debt service/government revenue (in percent)		9	8	13	7	7	6	5	5
Debt service/GDP (in percent)		2	1	2	2	1	1	1	1
<b>Gambia, The</b>									
Debt service paid <sup>3/</sup>		26	16	20					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>					16	15	8	9	10
Debt service/exports (in percent)		12	13	16	11	10	5	5	5
Debt service/government revenue (in percent)		12	20	23	17	15	8	8	9
Debt service/GDP (in percent)		6	4	5	4	3	2	2	2
<b>Guinea</b>									
Debt service paid <sup>3/</sup>		128	108	140					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>					78	90	99	92	88
Debt service/exports (in percent)		15	14	16	8	9	9	8	7
Debt service/government revenue (in percent)		34	28	39	18	18	18	15	12
Debt service/GDP (in percent)		4	4	5	3	3	3	3	2
<b>Guinea-Bissau</b>									
Debt service paid <sup>3/</sup>		7	6	13					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>					5	6	8	5	4
Debt service/exports (in percent)		23	11	18	6	7	8	4	3
Debt service/government revenue (in percent)		63	15	32	11	12	13	7	5
Debt service/GDP (in percent)		3	3	6	2	2	2	2	1
<b>Madagascar</b> <sup>5/</sup>									
Debt service paid <sup>3/</sup>		166	106	105					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>					64	56	68	79	82
Debt service/exports (in percent)		21	12	11	6	5	5	6	5
Debt service/government revenue (in percent)		42	25	21	12	9	10	10	9
Debt service/GDP (in percent)		4	3	3	2	1	1	1	1
<b>Malawi</b>									
Debt service paid <sup>3/</sup>		90	87	110					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>					59	57	45	45	47
Debt service/exports (in percent)		16	18	23	12	11	8	8	8
Debt service/government revenue (in percent)		22	30	31	13	11	8	7	6
Debt service/GDP (in percent)		5	5	6	4	3	2	2	2

(Table continues on the following page)

**15-3. Debt Service for Individual African HIPCs that Reached Decision Points, by Country, 1998-2005**

<i>(In million of US dollars, unless otherwise indicated)</i>								
	1998	1999	2000	2001	2002	2003	2004	2005
<b>Mali</b>								
Debt service paid	74	84						
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>			88	64	64	66	67	66
Debt service/exports (in percent)	11	13	14	9	8	8	7	7
Debt service/government revenue (in percent)	17	18	20	13	12	11	10	9
Debt service/GDP (in percent)	3	3	3	2	2	2	2	2
<b>Mauritania</b>								
Debt service paid	88	98						
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>			87	80	58	49	43	43
Debt service/exports (in percent)	22	24	20	18	13	10	8	8
Debt service/government revenue (in percent)	35	35	22	20	14	10	8	8
Debt service/GDP (in percent)	10	10	9	9	6	4	3	3
<b>Mozambique</b>								
Debt service paid	104	81						
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>			50	28	67	66	64	68
Debt service/exports (in percent)	19	14	9	3	6	6	3	3
Debt service/government revenue (in percent)	23	17	9	7	14	12	10	9
Debt service/GDP (in percent)	3	2	1	1	2	2	1	1
<b>Niger</b>								
Debt service paid <sup>3/</sup>	27	28	20					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>				49	49	26	29	29
Debt service/exports (in percent)	7	9	8	18	17	8	9	8
Debt service/government revenue (in percent)	15	16	13	27	24	11	11	10
Debt service/GDP (in percent)	1	1	1	2	2	1	1	1
<b>Rwanda</b>								
Debt service paid <sup>3/</sup>	14	21	40					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>				16	13	8	11	11
Debt service/exports (in percent)	13	19	31	11	8	4	5	4
Debt service/government revenue (in percent)	7	11	21	8	6	3	4	3
Debt service/GDP (in percent)	1	1	2	1	1	0	0	0
<b>São Tomé and Príncipe</b>								
Debt service paid <sup>3/</sup>	7	8	6					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>				2	1	1	1	1
Debt service/exports (in percent)	55	24	24	10	6	6	4	3
Debt service/government revenue (in percent)	84	44	41	17	10	10	6	6
Debt service/GDP (in percent)	16	17	13	4	3	2	2	2
<b>Senegal</b>								
Debt service paid	222	219						
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>			173	159	145	143	225	134
Debt service/exports (in percent)	14	15	10	8	7	7	10	5
Debt service/government revenue (in percent)	27	28	19	16	14	12	18	10
Debt service/GDP (in percent)	5	5	3	3	2	2	3	2
<b>Tanzania<sup>2/</sup></b>								
Debt service paid	224	193						
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>			154	142	144	148	152	158
Debt service/exports (in percent)	21	16	12	10	8	8	7	7
Debt service/government revenue (in percent)	29	20	15	12	11	11	10	9
Debt service/GDP (in percent)	3	2	2	1	1	1	1	1
<b>Uganda<sup>2/</sup></b>								
Debt service paid	110	98						
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>			48	51	56	68	94	103
Debt service/exports (in percent)	15	12	11	6	6	6	6	8
Debt service/government revenue (in percent)	16	13	11	6	5	5	5	6
Debt service/GDP (in percent)	2	2	1	1	1	1	1	1
<b>Zambia</b>								
Debt service paid <sup>3/</sup>	147	136	169					
Debt service due after enhanced HIPC Initiative relief <sup>1/</sup>				158	148	151	211	202
Debt service/exports (in percent)	16	16	16	13	10	10	13	12
Debt service/government revenue (in percent)	24	25	26	25	21	20	27	24
Debt service/GDP (in percent)	5	4	5	5	4	4	5	4

Note: the footnotes for this table are in the technical notes at the end of this chapter.

**15-4. Committed Debt Relief for African HIPC's, Status as of December 2001***(In millions of US dollars) <sup>1/</sup>*

	Reduction in NPV Terms			Nominal Debt Service Relief			Date of Approval
	Original	Enhanced	Total	Original	Enhanced	Total	
	HIPC Initiative	HIPC Initiative		HIPC Initiative	HIPC Initiative		
COUNTRIES THAT HAVE REACHED THEIR COMPLETION POINTS (3)							
TOTAL	2,063	2,988	5,051	4,350	4,900	9,250	
Mozambique	1,716	306	2,022	3,700	600	4,300	Sep-01
Tanzania	...	2,026	2,026	...	3,000	3,000	Nov-01
Uganda	347	656	1,003	650	1,300	1,950	Apr-00
COUNTRIES THAT HAVE REACHED THEIR DECISION POINTS (17)							
TOTAL	350	10,704	11,054	620	17,460	18,080	
Benin	...	265	265	...	460	460	Jul-00
Burkina Faso	229	169	398	400	300	700	Jun-00
Cameroon	...	1,260	1,260	...	2,000	2,000	Oct-00
Chad	...	170	170	...	260	260	May-01
Ethiopia	...	1,275	1,275	...	1,930	1,930	Nov-01
The Gambia	...	67	67	...	90	90	Dec-00
Guinea	...	545	545	...	800	800	Dec-00
Guinea-Bissau	...	416	416	...	790	790	Dec-00
Madagascar	...	814	814	...	1,500	1,500	Dec-00
Malawi	...	643	643	...	1,000	1,000	Dec-00
Mali	121	401	522	220	650	870	Sep-00
Mauritania	...	622	622	...	1,100	1,100	Feb-00
Niger	...	521	521	...	900	900	Dec-00
Rwanda	...	452	452	...	810	810	Dec-00
São Tomé and Príncipe	...	97	97	...	200	200	Dec-00
Senegal	...	488	488	...	850	850	Jun-00
Zambia	...	2,499	2,499	...	3,820	3,820	Dec-00
Memorandum item:							
Debt relief committed under original and enhanced frameworks	2,413	13,692	16,105	4,970	22,360	27,330	

1/ In net present value (NPV) terms of the decision point year.

Source: HIPC country documents; and World Bank and IMF staff estimates.

## 15-5. Social Expenditure for African HIPC's that Reached Decision Points<sup>1/</sup>

(In millions of US dollars)

	1999	2000	2001	2002
<b>Benin</b>				
Social Expenditure	115	148	195	214 <sup>2/</sup>
Social Expenditure/Government Revenue (in percent)	31	36	39	39
Social Expenditure/GDP (in percent)	5	6	7	7
<b>Burkina Faso</b>				
Social Expenditure	141	142	165	192
Social Expenditure/Government Revenue (in percent)	36	37	39	40
Social Expenditure/GDP (in percent)	5	5	6	6
<b>Cameroon<sup>1/</sup></b>				
Social Expenditure	264	316	389	451
Social Expenditure/Government Revenue (in percent)	16	18	21	22
Social Expenditure/GDP (in percent)	3	3	4	4
<b>Chad<sup>1/</sup></b>				
Social Expenditure	63	65	75	87
Social Expenditure/Government Revenue (in percent)	50	58	54	56
Social Expenditure/GDP (in percent)	5	5	5	5
<b>Ethiopia<sup>1/</sup></b>				
Social Expenditure	268	351	502	595
Social Expenditure/Government Revenue (in percent)	23	30	41	43
Social Expenditure/GDP (in percent)	4	6	8	9
<b>The Gambia<sup>1/</sup></b>				
Social Expenditure	23	26	30	34
Social Expenditure/Government Revenue (in percent)	29	30	33	35
Social Expenditure/GDP (in percent)	5	6	7	7
<b>Guinea<sup>1/</sup></b>				
Social Expenditure	101	105	109	120 <sup>2/</sup>
Social Expenditure/Government Revenue (in percent)	26	30	29	29
Social Expenditure/GDP (in percent)	4	3	3	3
<b>Guinea-Bissau<sup>1/</sup></b>				
Social Expenditure	26	30	42	47
Social Expenditure/Government Revenue (in percent)	66	74	89	87
Social Expenditure/GDP (in percent)	12	13	17	16
<b>Madagascar<sup>1/</sup></b>				
Social Expenditure	156	188	223	277
Social Expenditure/Government Revenue (in percent)	37	38	41	45
Social Expenditure/GDP (in percent)	4	5	5	6
<b>Malawi<sup>1/</sup></b>				
Social Expenditure	99	118	143	161
Social Expenditure/Government Revenue (in percent)	34	33	32	32
Social Expenditure/GDP (in percent)	5	7	9	10
<b>Mali</b>				
Social Expenditure	83	98	115	126
Social Expenditure/Government Revenue (in percent)	18	22	24	23
Social Expenditure/GDP (in percent)	3	4	4	4

(Table continues on the following page)

## 15-5. Social Expenditure for African HIPC

(In millions of US dollars)

	1999	2000	2001	2002
<b>Mauritania</b>				
Social Expenditure	85	97	111	121
Social Expenditure/Government Revenue (in percent)	30	34	37	38
Social Expenditure/GDP (in percent)	8	8	9	9
<b>Mozambique</b>				
Social Expenditure	158	161	173	203
Social Expenditure/Government Revenue (in percent)	32	30	29	30
Social Expenditure/GDP (in percent)	4	4	4	4
<b>Niger</b> <sup>1/</sup>				
Social Expenditure	99	85	112	132
Social Expenditure/Government Revenue (in percent)	58	55	62	64
Social Expenditure/GDP (in percent)	5	4	6	6
<b>Rwanda</b> <sup>1/</sup>				
Social Expenditure	75	73	89	108
Social Expenditure/Government Revenue (in percent)	40	39	45	47
Social Expenditure/GDP (in percent)	4	4	5	6
<b>São Tomé and Príncipe</b> <sup>1/</sup>				
Social Expenditure	8	8	9	12
Social Expenditure/Government Revenue (in percent)	93	77	76	86
Social Expenditure/GDP (in percent)	17	17	20	22
<b>Senegal</b>				
Social Expenditure	257	258	277	301 <sup>2/</sup>
Social Expenditure/Government Revenue (in percent)	33	29	29	28
Social Expenditure/GDP (in percent)	6	5	5	5
<b>Tanzania</b>				
Social Expenditure	289	327	361	379
Social Expenditure/Government Revenue (in percent)	30	31	30	30
Social Expenditure/GDP (in percent)	3	4	4	4
<b>Uganda</b>				
Social Expenditure	306	349	400	436 <sup>2/</sup>
Social Expenditure/Government Revenue (in percent)	40	39	39	36
Social Expenditure/GDP (in percent)	5	6	6	6
<b>Zambia</b> <sup>1/</sup>				
Social Expenditure	167	152	248	263 <sup>2/</sup>
Social Expenditure/Government Revenue (in percent)	30	24	39	38
Social Expenditure/GDP (in percent)	5	5	7	7

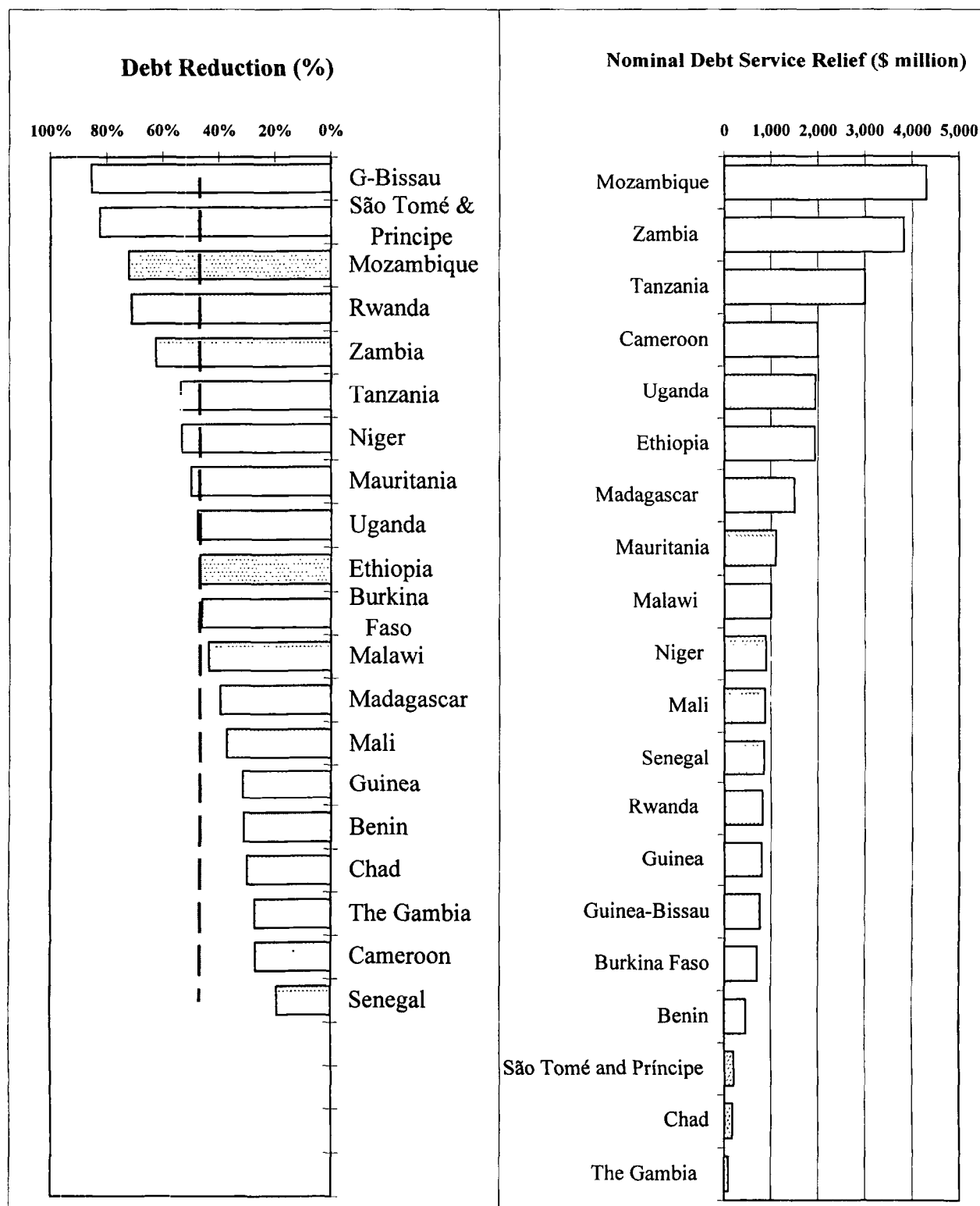
Sources: HIPC country documents; and staff estimates.

1/ The figures for 2000 largely reflect social expenditure before HIPC relief because these countries reached their decision points in late 2000 or (in Chad and Ethiopia's case) in 2001. Thus, the full impact of HIPC relief for them will not be felt until 2001 or (for Chad and Ethiopia) in 2002.

2/ For the six countries where no data is available for 2002 (Benin, Bolivia, Guinea, Senegal, Uganda and Zambia), social expenditure has been assumed to remain unchanged as a percentage of GDP from the previous year.

**Figure 15-1. Comparative Debt Reduction and Debt Relief for African Decision Point**

*(Status as of December 2001)*



Source: HIPC decision point documents.

Note: -- Debt reduction is measured by the common reduction factor. This refers to the percentage by which each creditor needs to reduce its debt stock at the decision point so as to enable the country to reach its debt sustainability target. The calculation is based in net present (NPV) information.

-- For Bolivia, Burkina Faso, Guyana, Mali, Mozambique and Uganda assistance under the original and enhanced frameworks is combined.

## *Technical notes*

### Tables

**Table 15.3 Debt Service for Individual African HIPCs that Reached Decision Points, by Country, 1998-2005**

- 1/ Debt service due after the full use of traditional debt relief mechanism and assistance under the enhanced HIPC initiative.
- 2/ On fiscal year basis, i.e. 2000 column shows FY 2000/2001.
- 3/ The debt service figure for 2000 largely reflects pre-HIPC relief debt service because these countries did not reach their decision point until late in 2000. Thus, the full impact of relief for these countries will not be felt until 2001 and thereafter.
- 4/ Debt service for 2000 is pre-HIPC, as decision point was reached in 2001.

- 5/ The assistance for Madagascar is indicative and subject to change. The Malagasy authorities and Paris Club creditors would need to revisit the outstanding bilateral debt numbers. Also, minor adjustments need to be incorporated in the case of three multilateral creditors. Consequently, the IMF Board approved US\$790 million in HIPC assistance, with the understanding that Madagascar's exact level of HIPC assistance will be determined once such revisions are done.

*Note:* Debt service figures for 1998 and 1999 reflect debt relief already provided to Mozambique, and Uganda under the original framework.

The source for this table is HIPC country documents; and World Bank and IMF staff estimates.





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