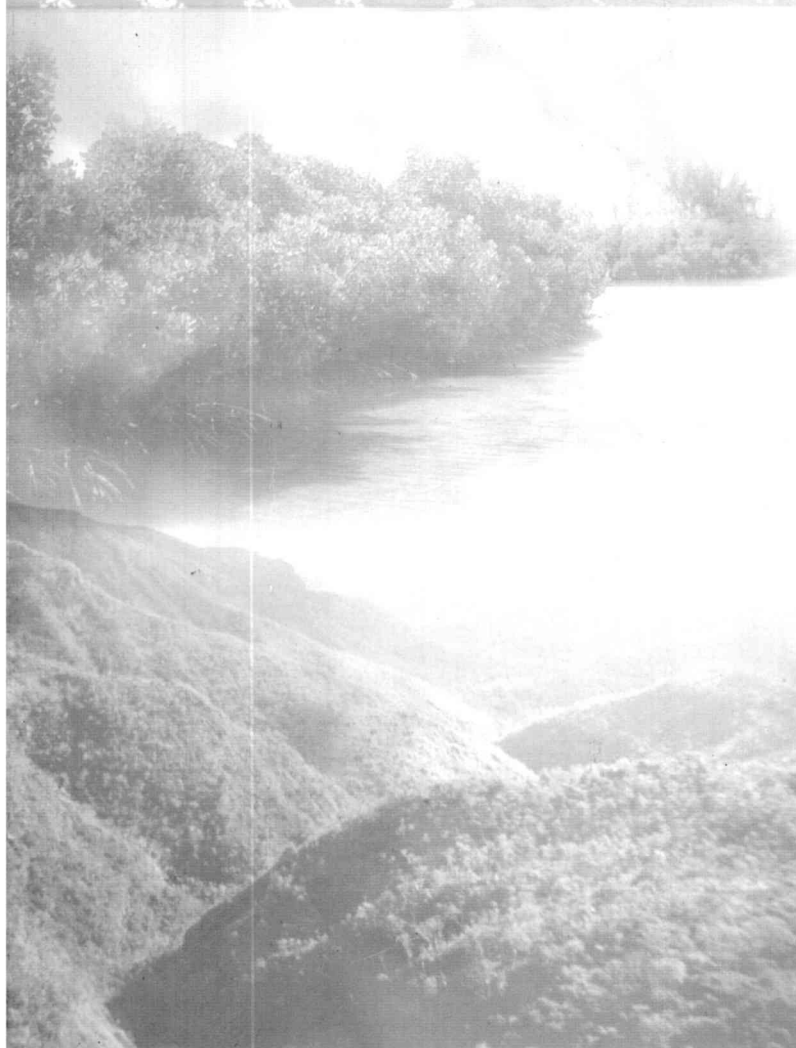




Republic of Mauritius



Digest of Environment Statistics 2002



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**DIGEST OF ENVIRONMENT STATISTICS
2002**

DIGEST OF ENVIRONMENT STATISTICS – 2002

Foreword

This is the first issue of an annual Digest of Environment Statistics, a publication prepared by the Central Statistics Office.

It presents in a single report detailed available data concerning the environment. Many of the statistics presented have been gathered from various institutions and thus some of the data may already be available in other publications. The digest covers a wide range of environmental topics in a readily accessible form to provide a handy reference.

The figures provided in this publication cover the period 1993 to 2002, wherever possible. These are the latest available and may be subject to revision in later issues. All data, unless otherwise stated refer to the Island of Mauritius.

It is hoped that these statistics will prove useful to the public in general, particularly to planners, decision makers and research workers. The preparation of the digest has necessitated the collaboration of the Ministry of Environment and several other public and private organisations. Their cooperation and assistance are herewith gratefully acknowledged.

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TECHNICAL NOTES

Introduction

The statistics presented in this report are divided into six main chapters corresponding to the following components of the natural environment: Flora, Fauna, Atmosphere, Water, Land and Human Settlements.

Concept and coverage

The following United Nations manuals have been used as a basis for the compilation of the data on environment statistics.

- A Framework for the Development of Environment Statistics, Statistical Papers, M78, United Nations.
- Concepts and Methods of Environment Statistics, Statistics of Natural Environment, Studies in Methods, F57, United Nations.
- Concepts and Methods of Environment Statistics, Human Settlements Statistics, Studies in Methods, F51, United Nations.
- Glossary of Environment Statistics, Studies in Methods, Series F, No. 67.

The digest covers data for the period 1993 to 2002, wherever possible. Environmental data are collected over a variety of time periods; ranging from decades in some major censuses to monthly, daily, hourly or even continual monitoring. Hence, in some cases, annual data are not available due to the periodicity of censuses and surveys. Chapters of the digest would be reviewed annually with any new material added as soon as practical.

Attempts have also been made, through the use of footnotes and accompanying commentary, to ensure that each table is self-standing and as comprehensive as possible.

Sources

The tables and figures have been compiled with the help of the following government departments, non-governmental and para-statal bodies:

- The Forestry Service - Ministry of Agriculture, Food Technology and Natural Resources.
- National Parks and Conservation Service - Ministry of Agriculture, Food Technology and Natural Resources.
- Albion Fisheries Research Centre - Ministry of Fisheries
- Agricultural Research and Extension Unit (AREU) - Ministry of Agriculture, Food Technology and Natural Resources.

- The Meteorological Services
- Water Resources Unit - Ministry of Public Utilities.
- Central Water Authority
- Central Electricity Board
- Statistics Unit – Ministry of Health and Quality of Life.
- Ministry of Environment and National Development Unit
- Ministry of Local Government and Rodrigues
- Waste Water Management Authority

Data in tables whose source(s) is (are) not indicated are from other publications of the Central Statistics Office.

Concepts and definitions

Flora

Flora: A general term for all forms of plant life characteristic of a region, period or special environment.

Protected Area: Legally established land or water area under either public or private ownership that is regulated and managed to achieve specific conservation objectives.

Silviculture: Management of forest land for timber, including

Weeding : Weeding is defined as the removal of unwanted plants, particularly at seedling stage.

Staking : Straightening of young plants bent during cyclones, using guava sticks.

Recruiting : Replacement of dead seedlings at the initial stage of growth.

Wetland: Area of low-lying land where the water table is at or near the surface most of the time. Wetlands include swamps, bogs, fens, marshes and estuaries.

Fauna

Fauna: A general term for all forms of animal life characteristic of a region, period or special environment.

Marine park: Permanent marine reservation for the conservation of species. It constitutes an extension, to the undersea world, of the concept of the terrestrial national park.

Atmosphere

Greenhouse gases (GHG): GHG are gases occurring naturally and resulting from human activities (production and consumption) that contribute directly or indirectly to global warming. Some main naturally existing GHG are Carbon Dioxide (CO₂), methane (CH₄) and Nitrous Oxide (N₂O). Other gases such as Carbon monoxide (CO), oxides of Nitrogen (NO_x), non methane volatile organic compounds (NMVOC) and Sulphur dioxide contribute indirectly to global warming. GHG's act much like a glass greenhouse, trapping heat in the lower levels of the atmosphere and reflecting the heat back to the earth's surface, causing it to heat up.

Ozone depletion: Destruction of ozone in the stratosphere, where it shields the earth from harmful ultraviolet radiation.

Chlorofluorocarbons: Inert, non-toxic and easily liquefied chemicals used in refrigeration, air-conditioning, packing and insulation, or as solvents and aerosol propellants.

Water

Water balance: The water balance is based on long term records of annual average rainfall and indicates how freshwater resources are distributed.

Precipitation: Rain falling from the atmosphere and deposited on land or water surfaces.

Evapotranspiration: Combined loss of water by evaporation from the soil or surface water and transpiration from plants and animals.

Surface runoff: The flow of surface water from rainfall, which flows directly to streams, rivers, lakes and sea. Runoff may cause soil erosion.

Groundwater recharge: Process by which water is added from outside to fresh water found beneath the earth surface.

Ecosystem: The interacting system of a biological community and its non living surroundings.

Temperature: This is a measurement of the intensity (not amount) of heat stored in a volume of water. It affects the solubility of many chemical compounds and can therefore influence the effect of pollutants on aquatic life.

pH : This is the measurement of the hydrogen ion concentration in water. A pH below 7 is acidic (the lower the number, the more acidic the water) and a pH above 7 (to a maximum of 14) is alkaline (the higher the number, the more alkaline the water).

Dissolved Oxygen (DO): This is a measure of the amount of oxygen dissolved in water. DO is essential to the respiratory metabolism of most aquatic organisms. It affects the solubility and availability of nutrients.

Conductivity: This is the measurement of the ability of water to conduct an electric current. It can indicate saline intrusion or other sources of pollution.

Total Dissolved Solids (TDS): This is a measure of the amount of dissolved material in the water. High concentrations of TDS limit the suitability of water as a drinking source and irrigation supply.

Turbidity: This is a measurement of the suspended particulate matter in a water body, which interferes with the passage of a beam of light through the water. High levels of turbidity increase the total available surface area of solids in suspension upon which bacteria can grow. High turbidity reduces light penetration.

Chemical Oxygen Demand (COD): This is a measure of the oxygen required to oxidize all compounds in water. It represents the amount of organic matter in the media.

Fluoride: Fluoride may be present as the result of the natural decomposition of rocks.

Chloride: Chloride appears in the highest concentrations in natural fresh water systems. It is important in terms of metabolic processes. High Chloride levels can make freshwater unpalatable and unsuitable for various uses including agriculture.

Sulphate: Sulphate usually occurs in natural waters. High concentrations of SO_4^{2-} can have a laxative effect on human beings.

Nitrate: This is a measure of the most oxidised and stable form of nitrogen in a water body. It is used by plants as a nutrient to stimulate growth. Excessive amount of NO_3^- can lead to eutrophication.

Phosphate: Phosphorus in the form of phosphate commonly occurs in all natural waters. It is a nutrient and is used by plants to stimulate growth. High concentrations of PO_4^{3-} can cause eutrophication.

Pesticide: a product or substance used in the control of pests which may affect public health or attack resources of use to man.

Waste water: Used water typically discharged into the sewage system. It contains matter and bacteria in solution or suspension.

Sedimentation: Settling of matter to the bottom of a liquid or water body, notably a reservoir.

Land

Land use: Land use refers to the main activity taking place on an area of land, for example, farming, forestry or housing.

Built-up areas: Built-up areas consist of land under houses, industrial zones, quarries or any other facilities, including their auxiliary spaces, deliberately installed so that human activities may be pursued.

Nutrient: A nutrient is a substance, element or compound necessary for the growth and development of plants.

Solid waste: These are useless and sometimes hazardous material with low liquid content. Solid waste includes domestic garbage, industrial and commercial waste, sewage sludge, wastes resulting from agricultural and animal husbandry operations and other connected activities and demolition wastes.

Landfill: Final placement of waste in or on the land in a controlled or uncontrolled way according to different sanitary, environmental protection and other safety requirements.

Environmental impact assessment (EIA): Analytical process that systematically examines the possible environmental consequences of the implementation of projects, programmes and policies.

Human settlements

Human settlements: Integrative concept that comprises (a) physical components of shelter and infrastructure and (b) services to which the physical elements provide support, that is, community services such as education, health, culture, welfare, recreation and nutrition.

Gross Domestic Product (GDP): GDP is the aggregate money value of all goods and services produced within a country out of economic activity during a specified period, usually a year, before provision for the consumption of fixed capital.

Primary energy requirement: It is the sum of imported fuels and locally available fuels less re-exports of bunkers and aviation fuel to foreign aircraft after adjusting for stock changes.

Energy intensity: Energy intensity provides a measure of the efficiency with which energy is being used in production.

Life expectancy at birth: the average number of years that a new born child would be expected to live if subjected to the mortality conditions expressed by a particular set of age-specific death rates.

ABBREVIATIONS AND SYMBOLS

Abbreviations

Rs mn	Rupees million
Rs	Rupees
US\$	US dollar
LPG	Liquefied petroleum gas
%	Percentage
f.o.b	free on board
c.i.f	Cost, insurance, freight
000	Thousand
n.e.s	Not elsewhere specified
Mm ³	Million cubic metres
Gg	Gigagram (thousand tonne)
Ktoe	Thousand tonne of oil equivalent
Toe	Tonne of oil equivalent
°C	Degrees celcius
mg/l	Milligram per litre
mS/cm	Millisiemens per centimetre
g/l	Gram per litre
NTU	Nephelometric Turbidity Unit
µg/m ³	Microgram per cubic metres
ppb	Part per billion
ppm	Part per million
TSP	Total suspended particles

Symbols

-	Nil or negligible
...	Not available

Environment Statistics - 2002

Highlights

1. Flora

1.1 *Land area*

In 2002, about 30% of the land cover i.e 56,629 hectares in Mauritius was characterised as forest-land. The forest area was divided into two categories, namely state-owned and privately-owned lands and they represented respectively 22,089 and 34,540 hectares (Table 1.1)

Under the category state-owned, about 12,400 hectares were planted areas while the National Park and the nature reserves accounted for nearly 6,570 and 800 hectares respectively. Forest area under the category "Pas Geometriques" represented about 650 hectares.

Most of the privately-owned lands falls under forest land which includes scrubs and grazing land and they are estimated at 28,000 hectares all over the island. Total reserves of the privately-owned lands accounted for 6,550 hectares.

1.2 *Protected areas*

The land protected areas as shown in Table 1.6 totals almost 14,000 hectares. The Black River Gorges National Park represents nearly 6,570 hectares followed by the mountain and river reserves which are all privately owned by 3,800 and 2,740 hectares respectively. The nature reserves constituting the islets accounted for nearly 620 hectares.

2. Fauna

2.1 *Livestock*

The major livestock in the country are cattle, goat, sheep and pig. As at March 2002, goats dominated the livestock population with an estimated population of 19,450 heads followed by pigs, 12,450, cattle, 8,140 and sheep, 470 heads (Table 2.1)

2.2 *Agro-industrial production*

Meat production from cattle, pig, goat and sheep constitute the main livestock production. In 2002, meat production from beef, of which nearly 92% was imported, constituted the leading contributor posting a 73.2% average contribution to the total livestock production. The remaining livestock production were shared by pigs (22.6%) and goat and mutton (4.2%) (Table 2.3).

On the other hand, poultry production of the country was marked by a steady rise in its annual production from 17,000 tonnes in 1993 to 29,305 tonnes in 2002, representing an annual growth rate of 6.2%.

2.3 *Fish catch and production*

Table 2.5 shows fish production by type of fishery for the years 1993 to 2002 and this was marked by a steady decline from 19,690 tonnes in 1993 to 9,334 tonnes in 2002.

As shown in Table 2.6, the annual fish catch of the coastal fishery by gear-type was characterised by fluctuations and decreased from 1,582 tonnes in 1993 to 1,302 in 2002 with fish catch from basket trap accounting almost 35% of the total artisanal catch.

Fish catch per fisherman-day was likewise characterised by fluctuations but managed to register an annual mean of 4.3 kilograms (Table 2.9).

2.4 *Protected areas*

The marine protected areas consist of marine parks, fishing reserves and wetland. In 2002, the area occupied by the fishing reserves were about 6,350 hectares followed by the marine parks, 838 hectares and wetland, 26 hectares respectively (Table 2.18).

3. Atmosphere

3.1 *Air quality*

In 2001, in order to address the air quality problem in Mauritius, the Ministry of Environment purchased fixed and mobile air quality stations. The fixed station is installed at Medco, Cassis since May 2001.

The main parameters under investigation are Dust (PM₁₀), Ozone, Sulphur Dioxide, Nitrogen Dioxide, Carbon Monoxide, Total Suspended Particles and Lead.

For the year 2002, the average results for all the parameters under study showed that the levels of ambient pollutants near Medco, Cassis were well below the norms (Table 3.5).

3.2 *Greenhouse gas (GHG) emissions*

Mauritius as a party to the United Nations Framework Convention on Climate Change (UNFCCC) is required to update and report periodically on the inventory of anthropogenic emissions and removal of greenhouse gases using IPCC

(Intergovernmental Panel on Climate Change) guidelines. GHG are gases occurring naturally and resulting from human activities which act much like a glass greenhouse, trapping heat in the lower levels of the atmosphere and reflecting the heat back to the earth's surface, causing it to heat up.

Table 3.6 shows the total emissions and removals of greenhouse gases for the years 1995 and 2000 to 2002. The data indicates a rise of nearly 59% in net CO₂ emissions between 1995 and 2002. Net emissions take into account the removal of CO₂ by forests. However, the contribution of Mauritius to the greenhouse effect remains negligible.

3.2.1 Carbon dioxide emissions from fossil fuel by sector

Between 1995 and 2002, total carbon dioxide emissions from fossil fuel increased by nearly 52% from 1,737 Gg to 2,645 Gg. Carbon dioxide from energy industries alone contributed to 1,326 Gg (50%) of the total emissions in 2002, followed by transport with 760 Gg (29%) (Table 3.7).

3.2.2 Greenhouse gas inventory

The national inventory of greenhouse gas emissions by source categories for the year 2002 is given in Table 3.8. Carbon dioxide (CO₂), with an emission of 2,648 Gigagram (Gg), was the major greenhouse gas injected in the atmosphere. Most of this gas was produced as a result of fuel combustion activities such as electricity production, transport and manufacturing processes. Other GHG injected were carbon monoxide (62.9 Gg), sulphur dioxide (30.6 Gg), non-methane volatile organic compounds (18.5 Gg), oxides of nitrogen (14.5 Gg), methane (6.0 Gg) and nitrous oxide (1.5 Gg).

3.3 Ozone-depleting substances

For the last decade, the consumption of ozone-depleting substances has risen steadily at an annual growth rate of 8.5%, from 65 tonnes in 1993 to 136 tonnes in 2002. Almost 95% of the ozone-depleting substances constituted of the hydro chlorofluorocarbons, HCFC's (Table 3.9)

4. Water

4.1 Water balance

The estimated water balance for Mauritius is shown in Table 4.3. The water balance is based on long term records of annual average rainfall and indicates how fresh water resources are distributed.

During the year 2002 the amount of precipitation (rainfall) received throughout the island of Mauritius amounted to 3,900 million cubic metres (Mm³).

Some 1,170 Mm³ (30%) of this water was lost through evapotranspiration, while surface runoff and ground water recharge accounted for 2,340 Mm³ (60%) and 390 Mm³ (10%) respectively.

4.2 *Water utilisation*

Estimates of water utilisation for the year 2002 are shown in Table 4.4. The water demand was estimated at 975 Mm³, of which, 514 Mm³ (53%) were used for irrigation, 249 Mm³ (25%) for hydropower and 212 Mm³ (22%) for domestic, industrial and tourism purposes.

Around 85% of the total water demand was met by surface water and the remaining 15%, by ground water.

4.3 *Water consumption*

During the period 1993 to 2002, the domestic per capita consumption of water has risen from 141 to 157 litres per day at an annual growth rate of 1.2% (Table 4.11). Consumption was at its weakest in 1999 at 149 litres per day, which was due to the severe drought prevailing during that year.

5. Land

5.1 *Land use*

Urbanisation and the development of industries and infrastructure have led to a loss of agricultural land. Detailed data on land use for the island of Mauritius are available only for 1986 and 1995.

Between 1986 and 1995, the proportion of land under agriculture dropped from 48.2% to 46.4%, and that of forestry from 35.1% to 30.6% whilst built-up areas increased from 13.4% to 19.5% (Table 5.1 and figure 17).

As shown in Table 5.2, around 93% of our effective agricultural land was under sugarcane plantation with the remaining being planted with tea, tobacco and foodcrops.

5.2 *Fertiliser and other inputs*

Intensive use of chemical based fertilisers and other agro-chemicals may contribute to the pollution of the environment through the leaching of nitrate to ground water. The total amount of fertilisers consumed and its breakdown by main nutrient components are shown in Table 5.6. The consumption of fertilisers for the year 2002 amounted to 64,739 tonnes, showing a decrease of 788 tonnes (-1.2%) over

2001. The nutrient contents consisted of nitrogen, phosphate and potash with respective proportions of 17.0%, 6.2 % and 20.5% of the product weight.

5.3 Waste

The rapid economic development of Mauritius has led to changes in the production and consumption pattern resulting in an increased volume of waste being generated. For the efficient management of waste, data are required on the different types of waste being generated. Unfortunately, there is a paucity of time series data on waste and the only data available relate to Mare Chicose landfill site, the major recipient of solid wastes.

5.3.1 Waste disposal

Increasing waste generation and consequently its disposal pose a major environmental problem. Waste collected are either sent directly to the Mare Chicose Sanitary Landfill, which started operating by the end of 1997, or go through the process of compaction at the four transfer stations (St Martin, Roche Bois, Poudre D'Or and La Brasserie) before their transportation to the landfill site.

For the period 1999 to 2002, the total amount of solid waste landfilled at Mare Chicose almost doubled, from 180,788 tonnes in 1999 to 363,913 tonnes in 2002, (Table 5.12).

5.4 Environmental Impacts Assessment (EIA) Licences.

The Department of Environment grants EIA licences as from the end of 1993, for undertakings (projects) which have an impact on the environment or on human health. These undertakings are listed in the First Schedule of the Environment Protection Act, 1991.

The number of EIA licences issued during the period 1993/1994 to 2002 is shown in Table 5.14. In 2002, 62 licences were granted, of which land parcelling and poultry rearing accounted for 31% and 24% respectively.

6. Human settlement

6.1 The economy

Some key socio-economic indicators are given in Table 6.1 to show the structural changes that have occurred in the economy during the past ten years.

From 1993 to 2002, Gross Domestic Product (GDP), which measures the total value of production, has increased in nominal terms from Rs 57,637 million to Rs

142,096 million representing an annual growth rate of 10.5%. The share of agriculture in GDP decreased from 10.6% in 1991 to 6.3% in 2002, that of manufacturing, from 23.3% to 22.8% while that of the financial and business services increased from 14.1% to 18.9%.

During the same period, the population increased by 10.0% from 1,105,600 to 1,216,500 and the population density from 562 per km² to 618.

6.2 Energy

While being an essential ingredient for the economic development and for the well being of the population, energy-related activities are also a source of major concern for the environment. They are by far the most important contributors of air pollutants, through the emission of carbon dioxide and other greenhouse gases.

6.2.1 Primary energy requirements

Between 1993 and 2002, the total primary energy requirement of the country increased by 42%, from 822.0 ktoe (thousand tonnes of oil equivalent) to 1,168.8 ktoe. This is equivalent to an annual growth rate of 4.0 %. Details on the primary energy requirements by energy source are shown in Table 6.14. In 2002, around 77% of the total primary energy requirement was met by imported fuels (oil, LPG and coal) and the remaining 23%, from local sources (bagasse and hydro).

6.2.2 Inputs for electricity production

The different types of fuel used for electricity production expressed in physical units are shown in Table 6.16. Fuel oil, which represented 56% of total energy used in 1993, dropped to 32% in 2002. On the other hand the shares of coal and bagasse in the production of electricity rose from 9% and 28% to 33% and 32% respectively.

6.2.3 Final energy consumption

In 2002, final energy consumption amounted to some 765 ktoe. The largest consumers were the transport and manufacturing sectors, which accounted for 48% and 33% of the total consumption respectively. Between 1993 and 2002, final energy consumption increased on average by 1.8% per annum (Table 6.18 and figure 22).

6.2.4 Transport

Industrialisation, continuous economic growth and higher standard of living have led to a rapid increase in transport services over the recent years. A number of environmental problems are associated with transport, especially emission of carbon

dioxide and other pollutants such as nitrogen oxide, volatile organic compounds, sulphur dioxide and particulate.

In 2002, petroleum products used for transportation amounted to about 153,440 tonnes of diesel oil, 87,510 tonnes of gasoline, 1,220 tonnes of liquefied petroleum gas (LPG) and 108,970 tonnes of aviation fuel. Between 1993 and 2002, consumption of gasoline and diesel oil rose at an annual growth rate of 2.1% and 5.6% respectively (Table 6.17).

6.3 *Stock of registered motor vehicles*

In 2002, the fleet of motor vehicles was numbered at 265,841 and this represented an increase of 4.2% over the year 2001 (Table 6.20).

6.4 *Complaints and contraventions*

Table 6.32 lists the number of complaints by category received at the Department of Environment from 1994 to 2002. The number of complaints rose from 370 in 1994 to 1,656 in 2002, showing an annual increase of nearly 21%. In 2002, the largest cause of complaint was noise, accounting for 28% of all complaints.

6.5 *Contraventions*

During the year 2002, some 4,706 contraventions were issued by the Police de L'Environnement. Of these, illegal littering (3,731) was the principal type, and represented about 79% of the contraventions (Table 6.33).

During the same period, 2,764 notices were issued to drivers of vehicles emitting black smoke.

CHAPTER 1

FLORA

Table 1.1 - Forest area by category, 1993 - 2002

Category	Hectares										
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002 ¹	
State - owned	22,519	22,519	22,519	22,519	22,519	22,519	22,492	22,089	22,089	22,089	
Plantations	12,431	12,539	12,557	12,635	12,672	12,609	12,608	12,359	12,362	12,418	
Nature reserves	4,585	4,585	4,585	4,585	799	799	799	799	799	799	
on mainland	4,018	4,018	4,018	4,018	200	200	200	200	200	200	
islets	567	567	567	567	599	599	599	599	599	599	
National Park ²	-	-	-	-	6,574	6,574	6,574	6,574	6,574	6,574	
Unplantable, protective or to be planted	4,851	4,743	4,725	4,647	1,822	1,885	1,859	1,705	1,702	1,646	
Pas Geometriques	652	652	652	652	652	652	652	652	652	652	
Plantations	211	211	209	224	224	224	225	224	230	243	
Leased for grazing and tree planting	230	230	230	230	230	230	230	230	230	230	
Unplanted, protective or to be planted	211	211	213	198	198	198	197	198	192	179	
Privately - owned lands	34,540	34,540	34,540	34,540	34,540	34,540	34,540	34,540	34,540	34,540	
Reserves	6,540	6,540	6,540	6,540	6,553	6,553	6,553	6,553	6,553	6,553	
Mountain reserves	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	
River reserves	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	
Nature reserves	-	-	-	-	13	13	13	13	13	13	
Forest lands, incl. scrub, grazing lands ³	28,000	28,000	28,000	28,000	27,987	27,987	27,987	27,987	27,987	27,987	
Total	57,059	57,059	57,059	57,059	57,059	57,059	57,032	56,629	56,629	56,629	

Source : Forestry Service, Ministry of Agriculture, Food Technology and Natural Resources

¹ Provisional² Black River Gorges National Park was proclaimed in 1994 and data on the area enclosed by the boundaries of the park were not available until 1997.³ Figures not available but estimated.

Table 1.2 - Changes in forest-land cover, 1993 and 2002

	Area (Ha)		% of total land area	
	1993	2002 ¹	1993	2002 ¹
Forests lands : of which	57,059	56,629	30.6	30.4
Plantations	12,431	12,418	6.7	6.7
Nature reserves	4,585	799	2.5	0.4
National park	-	6,574	-	3.5
Unplanted, protective or to be planted	4,851	1,646	2.6	0.9
Pas Geometriques	652	652	0.3	0.3
Other ²	34,540	34,540	18.5	18.5

Source: Forestry Service and State of the Environment Report, 1991

¹ Provisional

² Privately owned forest lands including reserves, scrub and grazing lands
Note : percentages may not add up due to rounding

Table 1.3 - Local production, imports and consumption of timber, poles and fuelwood, 1993 - 2002

	cubic metre (roundwood)										
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
Local Production	28,395	34,972	20,207	26,153	27,633	22,392	25,694	18,977	16,945	15,910	
Timber	8,217	7,394	5,595	12,276	12,687	8,261	7,049	5,402	4,941	4,346	
State Lands	7,962	6,894	3,955	5,791	6,187	7,489	5,549	4,742	4,401	3,796	
Private Lands ¹	255	500	1,640	6,485	6,500	772	1,500	660	540	550	
Poles	5,402	3,960	4,623	4,652	4,569	4,032	6,511	3,404	2,670	2,642	
State Lands	4,782	3,095	2,268	2,492	2,409	2,232	3,147	2,516	1,580	1,612	
Private Lands ¹	620	865	2,355	2,160	2,160	1,800	3,364	888	1,090	1,030	
Fuelwood	14,776	23,618	9,989	9,225	10,377	10,099	12,134	10,171	9,334	8,922	
State Lands	13,356	17,246	7,139	7,350	8,502	8,524	10,539	9,256	8,429	7,992	
Private Lands ¹	1,420	6,372	2,850	1,875	1,875	1,575	1,595	915	905	930	
Imports of timber ²	71,406	75,720	200,877	59,980	104,523	84,641	67,441	63,407	106,277	85,488	
Total Consumption ³	99,801	110,692	221,084	86,133	132,156	107,033	93,135	82,384	123,222	101,398	

Source : Forestry Service, Ministry of Agriculture, Food Technology and Natural Resources

¹ Estimates² Roundwood equivalent³ Excludes plywood, paper and other wood products.

Table 1.4 - Forest fires and area affected, 1993 - 2002

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Number of incidents	46	43	35	32	44	35	34	23	40	37
Area affected (Ha) of which :	143	158	206	202	197	157	133	117	122	116
Protected areas	83	119	77	26	6	62	12	33 ¹	67 ¹	44 ¹
Unprotected areas	41	20	122	169	171	78	119	84	55 ¹	72 ¹
Pas Geometriques	19	19	7	7	20	17	2	...	...	...

Source : Forestry Service, Ministry of Agriculture, Food Technology and Natural Resources

¹ Includes Pas Geometriques .

Fig.1 - Forest fires and area affected, 1993 - 2002

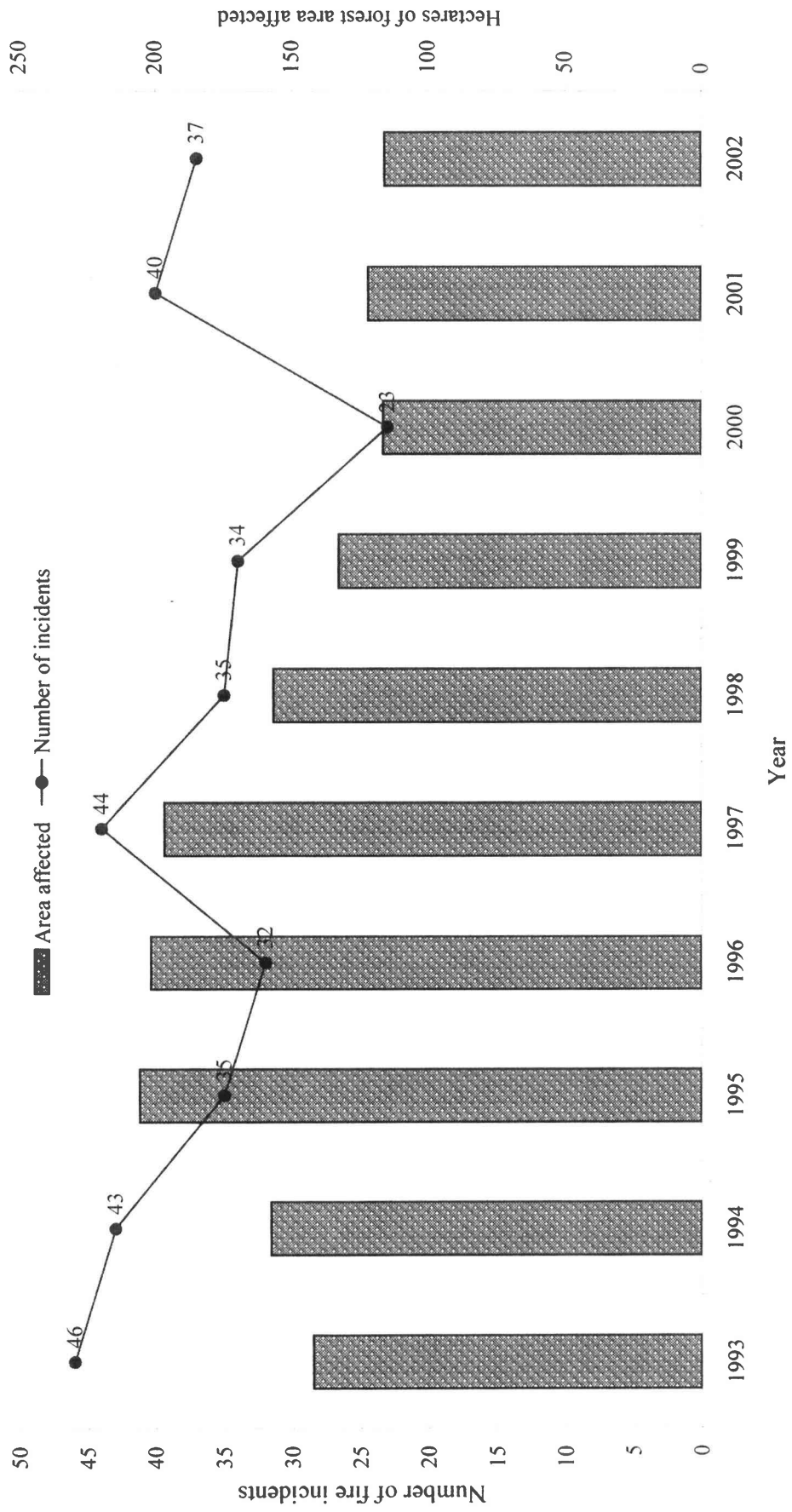


Table 1.5 - Silvicultural operations carried out in State forest land plantations, 1993 - 2002

Type of operation	Hectares									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Clearing for planting	255	250	149	344	62	120	182	79	34	84
Planting	148	207	134	210	169	145	155	117	133	151
Weeding	512	717	652	682	685	606	361	649	596	490
Recruiting	412	602	496	446	473	395	251	533	462	394
Staking	244	418	240	559	25	208	337	372	14	629
Cleaning	772	118	661	826	452	542	508	498	718	606
Pruning	77	15	13	29	35	18	24	39	50	33

Note: There may be overlapping of operations. For instance part of the area that is planted in a year could have been cleared in the same year.
Source : Forestry Service, Ministry of Agriculture, Food Technology and Natural Resources

Table 1.6 - List of land protected areas, Republic of Mauritius, 2002.

	Hectares
	<u>Area</u>
<u>Land protected areas</u>	<u>13,973</u>
Black River Gorges National Park	6,574
Nature reserves (land)	225
Pouce	69
Perrier	2
Bois Sec	6
Gouly Pere	11
Corps de Garde	90
Cabinet	18
Les Mares	5
Grande Montagne (Rodrigues)	14
Anse Quitar (Rodrigues)	10
Nature reserves (Islets)	621
Gunner's Quoin	76
Iles aux Aigrettes	25
Iles aux Serpents	31
Flat Island	253
Round Island	169
Gabriel Island	42
Illot Marianne	2
Iles aux Cocos (Rodrigues)	15
Iles aux Sables (Rodrigues)	8
Mountain Reserves (all privately owned)	3,800
River reserves (all privately owned)	2,740
Nature reserves (privately owned)	13
Mondrain	5
Sir Emile Series	8

Source : Forestry Service, Ministry of Agriculture, Food Technology and Natural Resources

Table 1.7 - Number of offences detected against forest laws¹ by category , 1993 - 2002

Category	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Unauthorised felling/removal	76	51	80	55	65	94	113	65	87	51
Illegal possession of wood	13	1	-	1	2	-	-	-	-	2
Encroachment	12	11	10	21	13	5	11	16	9	8
Illegal deposit of stones/materials	7	4	12	4	10	13	13	17	17	9
Illegal possession of implements	-	4	6	2	-	-	4	2	-	2
Erection of structures	10	9	3	3	1	5	15	2	8	12
Other	2	-	1	-	1	-	-	-	-	-
Total	120	80	112	86	92	117	156	102	121	84

Source : Forestry Service, Ministry of Agriculture, Food Technology and Natural Resources

¹ include cases taken to court, treated departmentally, outstanding, and in which offenders were unknown.

Fig. 2 - Number of offences detected against forest laws by category, 1993 - 2002

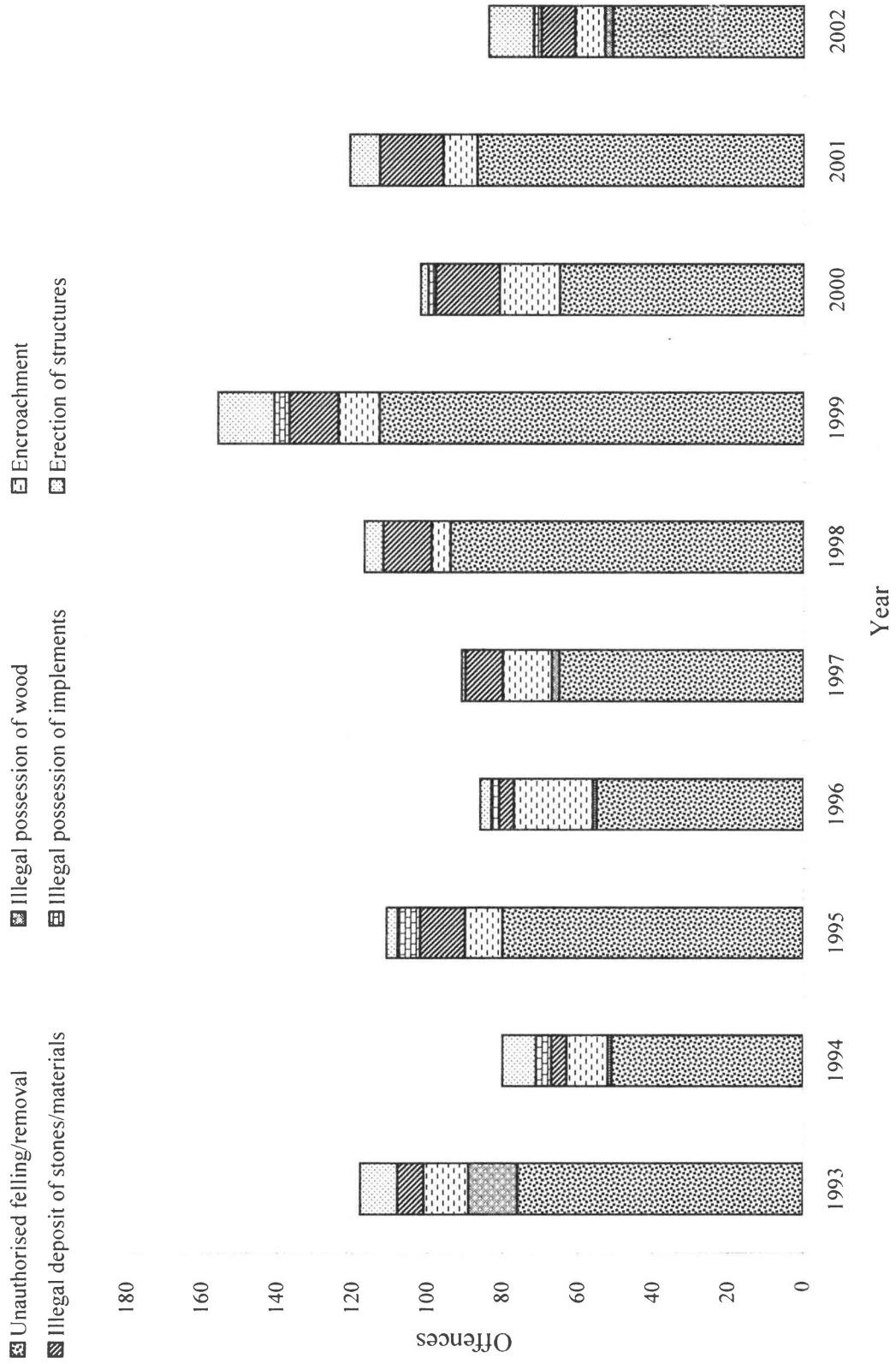


Table 1.8 - Forest plantations¹ by type of plants, 1993 - 2002

Type of plant	Hectares									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Soft wood										
Pine	8,002	8,110	8,117	8,195	8,232	8,169	8,192	8,078	8,035	8,062
Other softwood	1,601	1,601	1,601	1,601	1,601	1,601	1,601	1,597	1,599	1,609
Hardwood										
Eucalyptus and Casuarina	2,028	2,028	2,039	2,039	2,039	2,039	2,015	1,884	1,906	1,919
Other hardwood	800	800	800	800	800	800	800	800	822	828
Total	12,431	12,539	12,557	12,635	12,672	12,609	12,608	12,359	12,362	12,418

Source : Forestry Service, Ministry of Agriculture, Food Technology and Natural Resources

¹ State land

Fig. 3 - Percentage composition of forest plantations, 2002

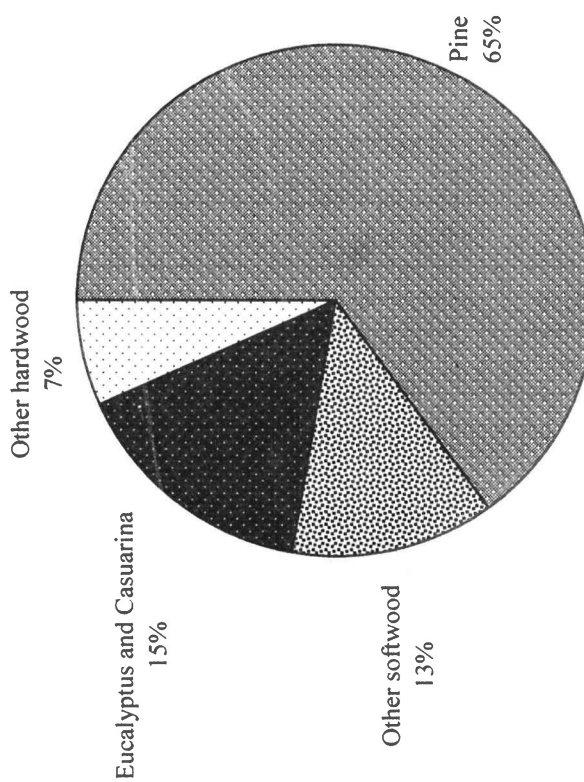


Table 1.9 - Number of seedlings raised, by species, at the nurseries of the Forestry Service, 1993 - 2002

Species	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Pine	616,732	568,239	393,352	554,298	545,670	404,306	622,154	465,060	393,768	300,119
Eucalyptus	335,951	257,960	127,635	219,999	156,461	180,444	113,500	75,510	57,871	47,018
Cryptomoria	48,900	35,000	21,900	40,000	-	4,471	15,455	3,285	4,100	14,531
Casuarina (Filao)	100,600	57,252	157,732	133,702	104,785	162,900	25,585	36,842	45,519	23,198
Araucaria	2,210	3,000	1,900	9,730	388	34	1,485	52,601	22,347	47,961
Juniper	-	-	1,150	7,759	-	-	842	-	-	818
Other ¹	274,847	264,752	256,471	306,214	129,149	262,650	135,828	299,612	228,313	193,063
Total	1,379,240	1,186,203	960,140	1,271,702	936,453	1,014,805	914,849	932,910	751,918	626,708

Source : Forestry Service, Ministry of Agriculture, Food Technology and Natural Resources

¹ includes ornamentals and indigenous forest trees.

Fig. 4 -Number of seedlings raised, by species, at the nurseries of the Forestry Service, 1993 - 2002

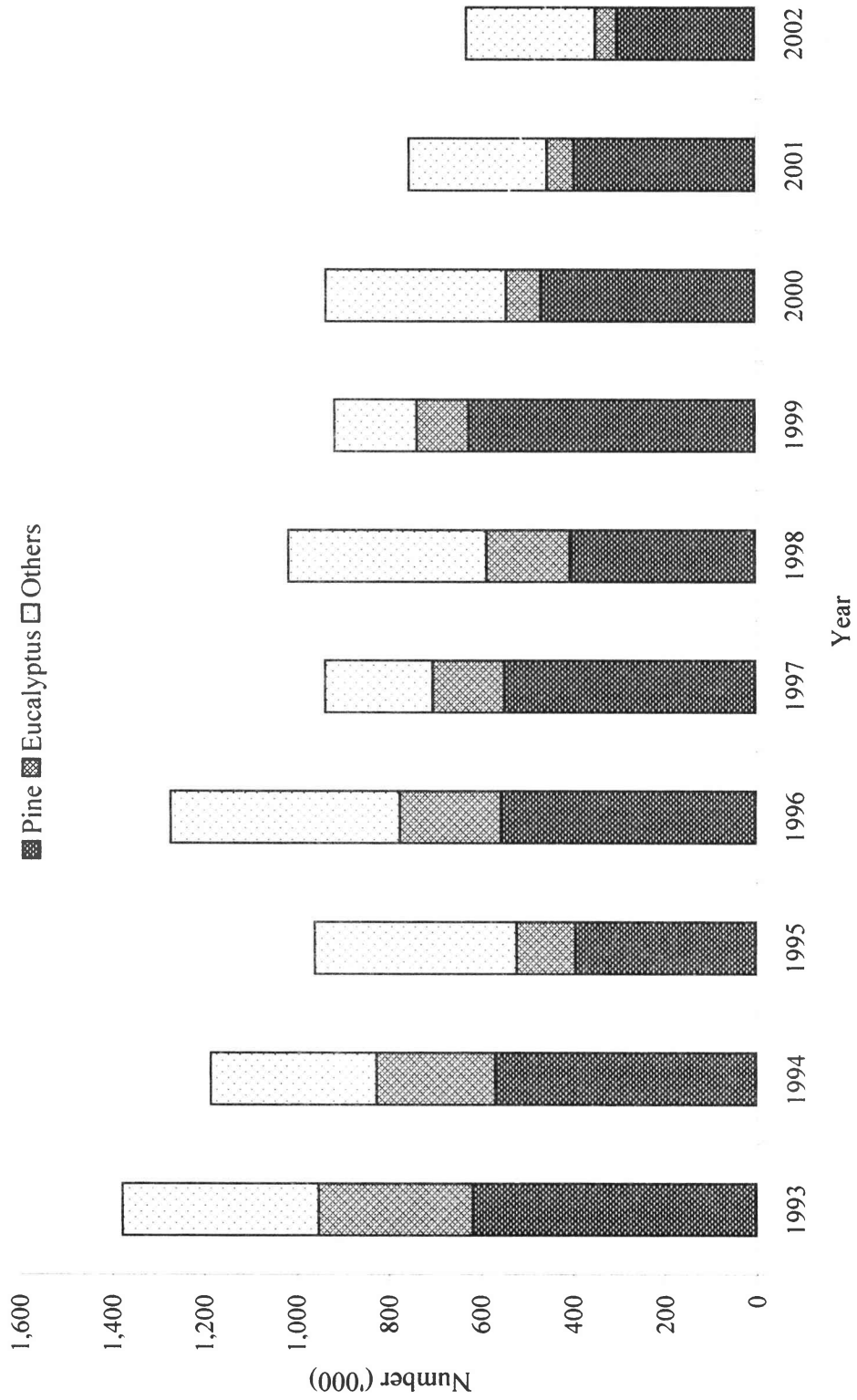


Table 1.10 - No. of plants issued freely or sold to the public by the Forestry Service, 1993 - 2002

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Free issue	39,960	17,657	29,340	18,371	14,154	34,018	15,869	24,754	14,384	16,523
Sold	253,128	192,209	198,102	196,085	79,805	139,912	86,790	126,681	125,823	134,393

Source : Forestry Service, Ministry of Agriculture, Food Technology and Natural Resources

Fig. 5 -No. of plants issued freely or sold to the public by the Forestry Service, 1993 - 2002

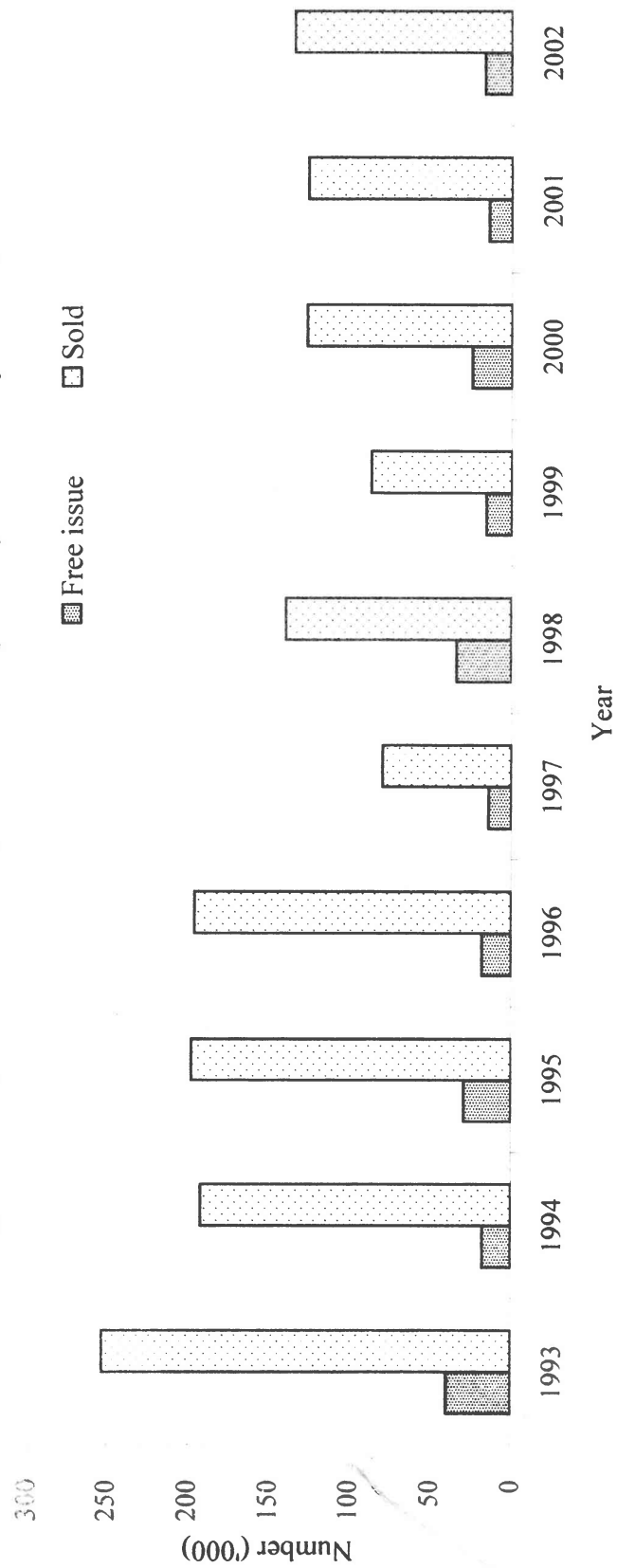


Table 1.11 - Revenue and expenditure of the Forestry Service, 1993 - 2002

Revenue item	Rupees thousand									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Sales of forest produce	7,706	7,290	4,450	4,267	6,557	8,172	8,506	8,172	6,879	7,159
Shooting and fishing rights	35	2,139	1,177	1,055	1,085	1,056	1,061	1,056	1,955	2,153
Agro - forestry	2	1	1	1	-	9	9	9	-	-
Miscellaneous (Wood exploitation licence)	187	210	216	222	198	246	213	246	210	207
Total revenue	7,930	9,640	5,845	5,545	7,840	9,483	9,789	9,483	9,044	9,519
Total expenditure	90,124	96,380	94,648	98,825	107,365	115,201	135,202	115,201	125,460	128,419

Source : Forestry Service, Ministry of Agriculture, Food Technology and Natural Resources

Table 1.12 - Selling rates of timber by type, class' and category², 1993 - 2002

Item	Rupees per cubic metre									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Standing timber (basic royalty)										
Class I	1,300	1,430	1,430	1,430	1,430	1,430	1,640	1,640	1,640	1,810
Class II	800	880	880	880	880	880	1,010	1,010	1,010	1,110
Class III										
Category I	625	690	690	690	690	690	800	800	800	880
Category II	500	550	550	550	550	550	650	650	650	715
Class IV	225	250	250	250	250	250	300	300	300	330
Sound logs at roadside (basic royalty+labour)										
Class I	1,900	2,090	2,090	2,090	2,090	2,090	2,400	2,400	2,400	2,640
Class II	1,400	1,540	1,540	1,540	1,540	1,540	1,770	1,770	1,770	1,950
Class III										
Category I	1,300	1,430	1,430	1,430	1,430	1,430	1,640	1,640	1,640	1,810
Category II	1,100	1,210	1,210	1,210	1,210	1,210	1,390	1,390	1,390	1,530
Class IV	850	940	940	940	940	940	1,080	1,080	1,080	1,190
Sound logs at Curepipe timber store (basic royalty +labour+transport)										
Class I	2,800	3,080	3,080	3,080	3,080	3,080	3,540	3,540	3,540	3,900
Class II	2,300	2,530	2,530	2,530	2,530	2,530	2,910	2,910	2,910	3,200
Class III										
Category I	2,000	2,200	2,200	2,200	2,200	2,200	2,530	2,530	2,530	2,780
Category II	1,600	1,760	1,760	1,760	1,760	1,760	2,020	2,020	2,020	2,220
Class IV	1,400	1,540	1,540	1,540	1,540	1,540	1,770	1,770	1,770	1,950

Source : Forestry Service, Ministry of Agriculture, Food Technology and Natural Resources

¹ Quality of wood , in decreasing order from Class I to Class IV. ² Category I -timber of 24 cm diameter and above ; Category II - timber of 18 cm to less than 24 cm diameter.

Table 1.13 - Private households using wood and charcoal for cooking, 1990 and 2000 Housing and Population Censuses, Republic of Mauritius

	1990		2000	
	Wood	Charcoal	Wood	Charcoal
Island of Mauritius	55,659	2,577	11,412	521
Urban	7,436	2,093	1,273	349
Rural	48,223	484	10,139	172
Island of Rodrigues	4,011	10	1,509	17
Agalega	...	...	2	-
Republic of Mauritius (% of households)	59,670 (25.2)	2,587 (1.1)	12,923 (4.3)	538 (0.2)

CHAPTER 2

FAUNA

Table 2.1 - Number of farmers and livestock population by geographical district as at March 2002

District	Cattle		Goat		Sheep		Pig	
	No. of farmers	Total no. of heads	No. of farmers	Total no. of heads	No. of farmers	Total no. of heads	No. of farmers	Total no. of heads
Pamplemousses	390	1,122	649	4,041	10	32	56	1,020
Riviere du Rempart	253	839	403	2,965	5	50	38	226
Flacq	637	1,481	838	5,893	16	145	78	2,361
Plaines Wilhems	222	1,920	158	1,063	-	-	14	500
Moka	181	474	58	366	2	21	10	198
Grand Port	225	591	264	1,547	2	8	59	884
Savanne	86	667	174	1,052	2	114	10	71
Black River	168	712	266	2,133	4	94	138	5,521
Port - Louis	44	336	41	388	1	4	87	1,669
Total	2,206	8,142	2,851	19,448	42	468	490	12,450

Source : Agricultural Research and Extension Unit, Ministry of Agriculture, Food Technology and Natural Resources.

Table 2.2 - Livestock herd status by geographical district as at March 2002

District	Cattle					Goat					
	No. of farmers	Cows	Calves	Heifers	Bulls	Total no. of heads	No. of farmers	Bucks	Does	Kids	Total no. of heads
Pamplemousses	390	445	22	368	287	1,122	649	1,152	1,320	1,569	4,041
Riviere du Rempart	253	309	308	126	96	839	403	746	923	1,296	2,965
Flacq	637	544	461	306	170	1,481	838	1,940	2,326	1,627	5,893
Plaines Wilhems	222	614	361	380	565	1,920	158	281	411	371	1,063
Moka	181	175	94	118	87	474	58	90	144	132	366
Grand Port	225	215	76	170	130	591	264	466	486	595	1,547
Savanne	86	272	90	158	147	667	174	242	406	404	1,052
Black River	168	198	178	140	196	712	266	504	851	778	2,133
Port Louis	44	119	70	55	92	336	41	83	150	155	388
Total	2,206	2,891	1,660	1,821	1,770	8,142	2,851	5,504	7,017	6,927	19,448

Source : Agricultural Research and Extension Unit, Ministry of Agriculture, Food Technology and Natural Resources.

Table 2.2 (cont'd) - Livestock herd status by geographical district as at March 2002

District	Sheep				Pig						
	No. of farmers	Bucks	Does	Kids	Total no. of heads	No. of farmers	Boars	Sows	Piglets	Fatteners	Total no. of heads
Pamplemousses	10	7	19	6	32	56	30	196	332	462	1,020
Riviere du Rempart	5	25	20	5	50	38	17	53	52	104	226
Flacq	16	26	64	55	145	78	43	321	645	1,352	2,361
Plaines Wilhems	-	-	-	-	-	14	17	75	141	267	500
Moka	2	2	9	10	21	10	4	17	78	99	198
Grand Port	2	2	6	0	8	59	40	145	316	383	884
Savanne	2	22	54	38	114	10	6	31	11	23	71
Black River	4	59	19	16	94	138	121	764	1,784	2,852	5,521
Port Louis	1	1	2	1	4	87	28	221	555	865	1,669
Total	42	144	193	131	468	490	306	1,823	3,914	6,407	12,450

Source : Agricultural Research and Extension Unit, Ministry of Agriculture, Food Technology and Natural Resources.

Table 2.3 - Production of selected agro-industrial products, 1993 - 2002

Detail	Unit	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002 ²
Beef ¹	tonnes	2,523	2,609	2,296	2,321	2,274	2,516	2,575	2,538	2,248	2,454
<i>Local (including Rodrigues)</i>	"	427	391	592	586	295	340	279	240	375	208
<i>Imported</i>	"	2,096	2,218	1,704	1,735	1,979	2,176	2,296	2,298	1,873	2,246
Goat meat and mutton ¹	"	139	148	127	140	128	118	125	102	114	141
Pork ¹	"	1,054	1,058	1,038	1,112	948	752	678	891	882	756
Poultry	"	17,000	18,850	19,325	20,100	20,825	18,300	20,900	25,600	27,200	29,305
Milk	'000 Litres	9,000	8,000	7,500	6,600	6,000	5,500	5,000	4,000	4,000	4,000

¹ abattoir slaughters only² Provisional

Table 2.4 - Export of monkeys (*Macaca fascicularis*), feral and captive bred, 1995 - 2002

	1995	1996	1997	1998	1999	2000	2001	2002
Number of animals	5,410	6,084	5,998	7,578	6,381	7,870	7,050	5,731
Value in US \$ ¹	284,400	324,950	304,200	380,800	280,700	363,200	352,500	286,550
Number of export permits issued	875	1,143	1,528	1,315	1,419	1,047	1,147	1,316

Source : National Parks and Conservation Service , Ministry of Agriculture Food Technology & Natural Resources

¹ The value in US \$ refers to the contribution paid to the National Parks and Conservation Fund by companies exporting monkeys

Table 2.5 - Fish production by type of fishery (in fresh - weight equivalent), 1993 - 2002

Tonnes

Type of fishery	Type	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Artisanal fishery											
Island of Mauritius	Fresh	1,583	1,663	1,443	1,616	1,246	1,229	1,225	1,360	1,075	1,302
Sports fishery	Fresh	650	650	650	650	650	650	650	650	650	650
Amateur fishery	Fresh	300	300	300	300	300	300	300	300	300	300
Barachois	Fresh	40	52	59	33	12	13	10	4	6	7
Ponds (prawn and fish)	Fresh	69	83	111	132	105	93	71	60	52	34
Offshore demersal fishery											
Shallow water banks	Fresh	6,696	6,629	6,474	5,033	4,831	3,731	4,297	4,303	3,366	3,943
Banks deep water snappers	Fresh	-	-	-	-	85	226	-	55	329	5
St Brandon inshore	Frozen & salted	76	86	299	435	562	594	557	497	557	491
Semi - industrial chilled fish	Chilled	-	-	-	59	95	102	172	190	188	204
Tuna fishery	Frozen	10,276	7,963	6,693	2,815	4,435	2,848	3,304	417	-	219
Sword Fish Fishery	Chilled	-	-	-	-	-	-	-	-	87	45
Demersal trawlers	Frozen	-	-	-	-	-	-	-	-	2,184	2,134
Total		19,690	17,426	16,029	11,073	12,321	9,786	10,586	7,836	8,794	9,334

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

Table 2.6 - Annual fish catch of the coastal (artisanal) fishery by gear - type, 1993 - 2002

Gear-type	Tonnes									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Basket trap	334.1	326.2	379.6	385.4	384.7	394.4	282.0	404.9	357.5	450.8
Line	310.1	322.2	333.7	345.8	300.7	264.2	339.1	503.2	368.4	429.3
Basket trap and Line	477.3	356.9	271.3	391.0	237.3	212.3	156.0	83.3	59.1	91.8
Large Net	340.0	517.1	308.3	306.9	163.3	217.1	294.7	230.7	172.9	183.4
Gill Net	45.8	44.5	38.4	28.8	16.6	16.8	16.0	12.8	11.4	25.3
Cast Net/Harpoon/on foot	75.5	96.2	111.7	158.6	143.5	123.9	137.1	125.1	105.9	121.1
Total	1,582.6	1,663.2	1,442.9	1,616.5	1,246.1	1,228.8	1,224.8	1,360.0	1,075.2	1,301.7

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

Table 2.7 - Number of active fishermen by gear - type, 1993 - 2002

Gear-type	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Basket trap	438	530	565	572	413	242	256	286	519	501
Line/Harpoon	494	763	785	742	844	451	523	642	678	734
Basket trap and Line	815	749	714	927	633	561	609	559	610	600
Large Net	515	537	499	478	426	270	270	226	180	165
Gill Net	94	107	96	83	77	23	27	28	27	28
Cast Net	36	54	52	61	55	38	31	-	-	-
Total	2,392	2,740	2,711	2,863	2,448	1,585	1,716	1,741	2,014	2,028

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

Table 2.8 - Fisherman-days and total catch ¹ from the lagoon and off lagoon, 1993 - 2002

Year	Fisherman-days			Catch (tonnes)
	Lagoon	Off lagoon	Total	
1993	208,428	91,346	299,774	1,583
1994	200,859	75,500	276,359	1,663
1995	217,278	85,690	302,968	1,443
1996	260,914	115,742	376,656	1,616
1997	170,143	88,334	258,477	1,246
1998	173,153	68,882	242,035	1,229
1999	170,612	70,107	240,719	1,225
2000	147,649	74,973	222,622	1,360
2001	144,927	93,744	238,671	1,075
2002	192,116	108,708	300,824	1,302

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

¹ Coastal (artisanal) fishery

Table 2.9 - Catch per fisherman-day, 1993 - 2002

Year	Kilogram		
	Lagoon	Off - lagoon	Mean
1993	4.6	6.9	5.3
1994	5.5	6.8	6.0
1995	4.1	6.4	4.8
1996	3.9	5.4	4.3
1997	4.1	6.9	4.8
1998	4.7	6.1	5.1
1999	4.8	5.9	5.3
2000	4.8	8.8	6.1
2001	4.0	5.3	4.5
2002	3.7	5.5	4.3

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

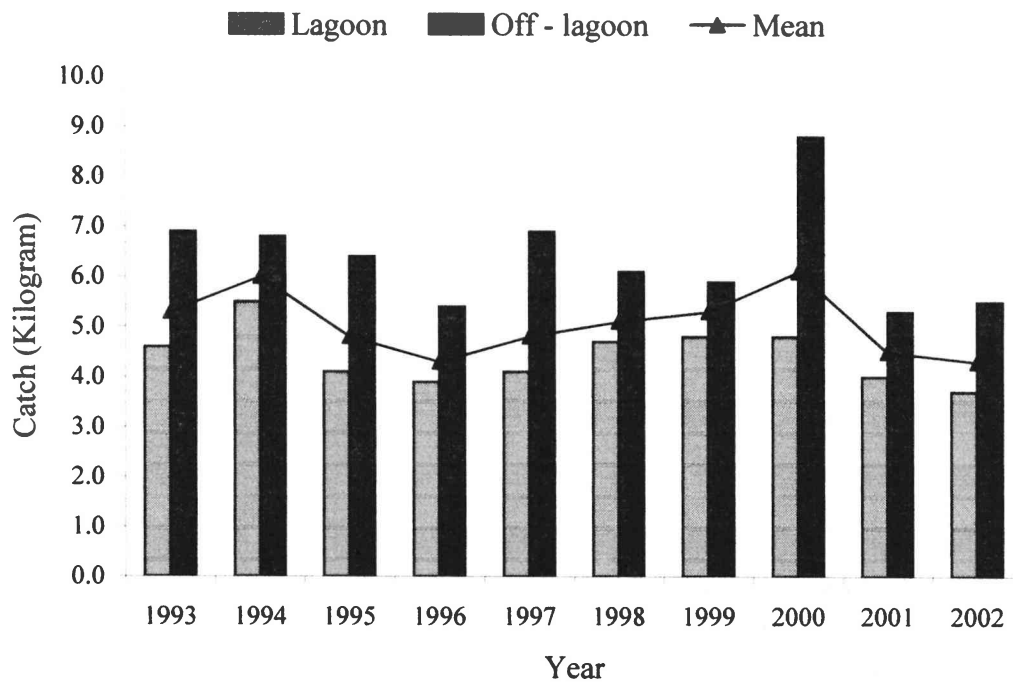
Fig. 6 - Catch per fisherman-day, 1993 - 2002

Table 2.10 - Average price of fresh fish and other sea food, 1993 - 2002

Species	Rupees per kilogram									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Homard	355	385	400	405	395	365	370	415	475	475
Crab and crevette	250	280	290	275	275	270	270	260	270	295
Vieille rouge	145	155	160	160	160	175	180	185	180	185
Vacoas, sacrechien	110	125	120	120	125	140	135	140	145	150
Capitaine	95	110	110	110	120	120	125	135	140	145
Dame berri	85	95	95	100	110	110	110	120	130	135
Octopus	60	65	70	75	80	85	90	90	100	100
Carangue	70	75	75	75	80	85	85	95	100	110
Cordonier	60	60	65	70	75	80	80	80	85	85
Rouget, tuna	60	60	65	70	75	80	75	80	80	80
Mulet voile	55	55	60	60	65	65	65	70	75	75
Bordemar	60	65	65	65	70	75	75	80	80	80
Licorne	55	55	55	60	70	75	75	80	85	95
Cateaux	50	55	55	55	65	60	60	65	65	70
Other fish	40	45	45	45	50	45	45	45	45	45
Shark	30	30	30	35	35	25	25	30	35	35

Source : Albion Fisheries Research Centre Ministry of Fisheries.

Table 2.11 - Annual catch by banks, 1993 - 2002Tonnes¹

Year	Saya de Malha	Nazareth	St. Brandon	Chagos	Albatros	Total Catch
1993	3,173	1,358	590	195	261	5,577
1994	3,167	1,591	224	307	232	5,521
1995	2,682	1,609	470	218	312	5,291
1996	2,283	1,253	432	321	135	4,424
1997	1,798	1,720	316	306	270	4,410
1998	2,054	1,086	400	81	76	3,697
1999	2,107	1,121	341	127	226	3,922
2000	2,099	1,080	267	312	141	3,899
2001	1,283	1,366	332	228	202	3,411
2002	2,090	918	436	223	161	3,828

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

¹ Product weight = Brought frozen without offals

Table 2.12- Import, export and trade balance of fish and fish products, 1993 - 2002

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Imports										
Quantity (tonnes)	16,880	20,602	29,271	28,422	30,911	34,331	30,339	42,146	52,050	83,753
Value (Rupees million)	374.6	488.5	634.9	689.5	866.9	1,113	793.1	1,057	1,754	3,832
Exports										
Quantity (tonnes)	8,510	9,900	13,570	13,919	15,827	13,023	15,206	18,151	27,381	49,560
Value (Rupees million)	405.3	542.7	657.5	758.9	926.9	972.6	971.2	961.5	1,840.8	4,081.0
Trade Balance (Rupees million)	30.7	54.2	22.6	69.4	60.0	-140.4	178.1	-96.4	86.5	249.0

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

Table 2.13 - Total number and type of fishing vessels calling at Port Louis , 1995 - 2002

Type/category	1995	1996	1997	1998	1999	2000	2001	2002
Tuna long liners and squid vessels	458	413	376	481	456	452	476	448
Purse seiners (local)	15	12	11	9	3	2	-	-
Reefers	...	...	27	24	37	46	50	39
Trawlers	...	...	9	10	18	55	52	22
Hand liners	...	...	48	58	75	63	56	108
Long liners (Ice cod fish sp.) (Patagonian tooth fish vessel)	...	...	...	88	47	80	62	44
Others, unspecified vessels	...	...	71	...	...	...	...	2
Total	473	425	542	670	636	698	696	663

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

**Table 2.14 - Exploitation of quota for shallow water banks¹ fishery by fishing seasons²
1995/1996 - 2001/02**

Detail	1995/96	1996/97	1997/98	1998/99	1999/00	2000/01	2001/02
Quota allocated (tonnes)	4,752	4,514	4,288	4,073	4,073	3,768	3,768
Quota used (tonnes)	3,999	4,106	3,443	3,454	3,952	2,611	2,996
Balance (tonnes)	753	408	845	619	121	1,157	772
Percentage (%) quota used	84	91	80	85	97	69	80

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

¹Saya de Malha, Nazareth and Albratross.

² From september n-1 to August n ;where n = year

Fig. 7 - Exploitation of quota for shallow water banks fishery by fishing seasons 1995/1996 - 2001/02

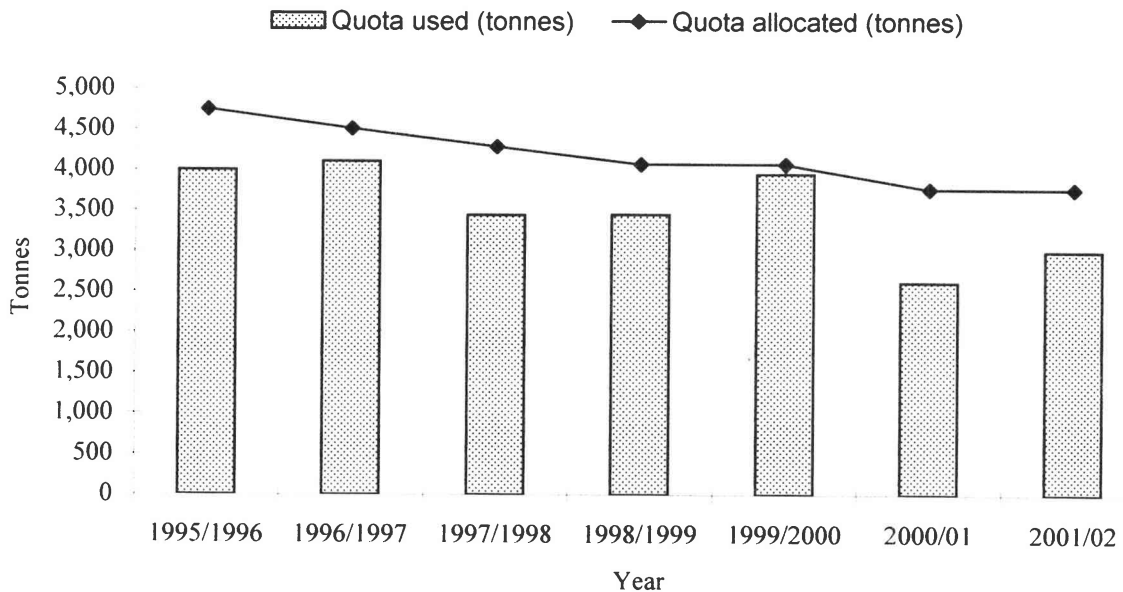


Table 2.15 - Per capita consumption of fish, 1993 - 2002

Year	Quantity
1993	19
1994	18
1995	19
1996	19
1997	19
1998	20
1999	21
2000	23
2001	20
2002	20

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

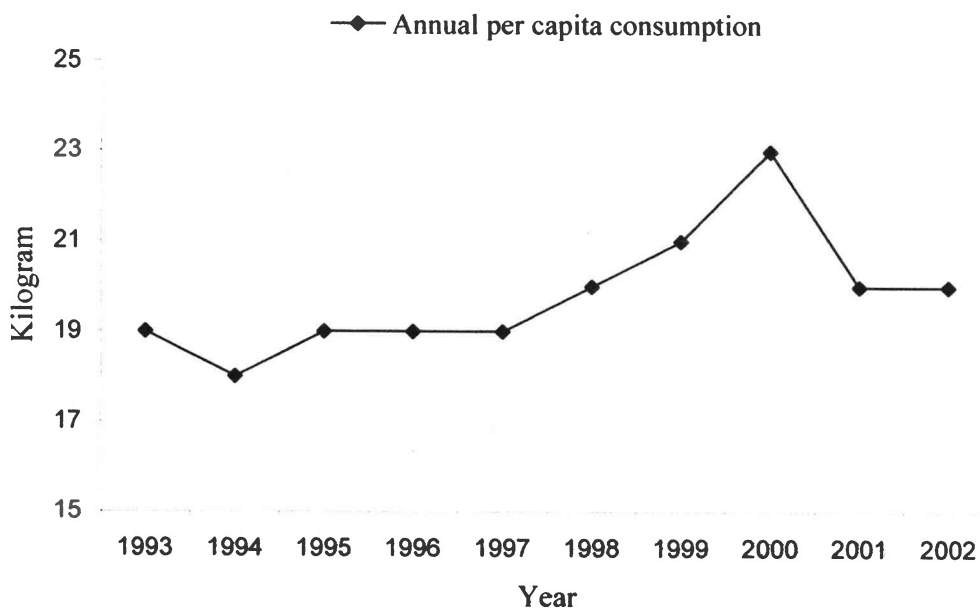
Fig. 8 - Per capita consumption of fish, 1993 - 2002

Table 2.16 - Cases of poisoning¹ by noxious fish and shellfish, venomous animals and plants, 1993 - 2002

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total										
General hospital discharges due to accidental poisoning by noxious fish and shellfish	161	142	103	99	68	22	69	53	67	26
General hospital discharges due to venomous animals and plants as the cause of poisoning and toxic reactions	60	38	94	117	105	201	186	170	189	93
Male										
General hospital discharges due to accidental poisoning by noxious fish and shellfish	72	60	49	41	28	13	32	26	33	12
General hospital discharges due to venomous animals and plants as the cause of poisoning and toxic reactions	46	33	70	90	78	149	155	118	144	71
Female										
General hospital discharges due to accidental poisoning by noxious fish and shellfish	89	82	54	58	40	9	37	27	34	14
General hospital discharges due to venomous animals and plants as the cause of poisoning and toxic reactions	14	5	24	27	27	52	31	52	45	22

Source : Statistics Unit, Min. of Health and Quality of Life

¹ Cases treated as in - patients in Government General Hospitals

Table 2.17 - List of fishable areas, Republic of Mauritius

Kilometre square		
Region	Depth	Area
Mauritius	Up to 100 metres	1,208
Banks		
Saint Brandon	0 - 35 metres	2,950
Nazareth	0 - 35 metres	7,625
Saya de Malha	0 - 100 metres	28,350
Chagos	0 - 35 metres	6,830
Rodrigues	0 - 100 metres	1,688
Agalega	0- 100 metres	15
Tromelin	...	-
Total		48,666

Source : State of the environment report - 1991

Table 2.18 - List of marine protected areas, 2002

Hectares

Marine protected areas	Area
Marine parks	838
Blue bay	353
Balaclava	485
Fishing reserves	6,352
Port Louis	331
Poudre d'Or	2,542
Poste La Fayette	280
Trou d'Eau Douce	574
Grand Port zone A	1,716
Grand Port zone B	112
Black River	797
Wetland	26
Rivulet Terre Rouge Estuary Bird Sanctuary	26

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

CHAPTER 3

ATMOSPHERE

Table 3.1 Monthly mean maximum temperature, 1993 - 2002

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal
1993	30.6	1.4	30.1	0.8	28.7	-0.3	28.2	0.0	27.9	1.3	25.3	0.2	23.5	-0.7	24.0	-0.1	24.3	-0.7	25.7	-0.5	27.4	-0.3	28.9	0.1
1994	29.6	0.3	29.9	0.6	29.5	0.4	29.1	0.9	27.1	0.5	25.7	0.7	24.8	-	24.7	0.7	25.3	0.2	27.1	0.9	27.9	0.2	29.6	0.8
1995	29.4	0.1	30.5	1.1	29.0	-0.1	28.6	0.5	25.8	-0.8	25.4	0.4	24.7	0.6	24.1	0.1	25.2	0.2	26.2	0.0	27.7	-0.1	28.6	-0.2
1996	29.2	-0.1	29.7	0.4	29.8	0.7	27.8	-0.4	26.3	-0.3	25.1	0.1	23.9	-0.2	24.3	0.2	25.1	0.1	26.2	0.0	28.6	0.8	28.9	0.1
1997	29.0	-0.3	29.3	0.0	29.5	0.4	28.7	0.5	26.7	0.1	25.1	0.1	24.2	0.0	24.9	0.8	24.9	-0.1	26.0	-0.1	28.7	0.9	30.2	1.4
1998	30.7	1.4	30.2	0.9	30.2	1.1	28.5	0.3	27.4	0.8	25.6	0.6	24.3	0.1	24.3	0.2	25.5	0.5	27.0	0.8	28.3	0.5	29.4	0.6
1999	30.1	0.8	29.8	0.5	29.6	0.6	29.3	1.2	28.1	1.5	26.1	1.1	24.4	0.2	24.5	0.4	25.4	0.4	26.3	0.1	28.1	0.4	28.6	-0.2
2000	29.6	0.4	28.9	-0.4	28.5	-0.6	28.1	-0.1	26.9	0.3	24.9	-0.1	23.7	-0.4	23.6	-0.4	24.8	-0.2	25.9	-0.2	27.3	-0.4	29.2	0.4
2001	29.8	0.5	29.6	0.3	29.7	0.6	28.4	0.3	27.3	0.7	24.6	-0.4	24.5	0.3	24.8	0.7	26.1	1.1	26.7	0.5	28.0	0.3	29.8	1.0
2002	29.3	0.0	30.2	0.8	29.5	0.4	28.5	0.3	26.6	0.0	24.6	-0.4	24.3	0.1	23.9	-0.2	25.2	0.2	26.6	0.4	28.5	0.8	29.2	0.4

Table 3.2 - Monthly mean minimum temperature, 1993 - 2002

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal
1993	22.1	0.3	22.5	0.5	21.9	0.1	21.4	0.6	20.1	1.3	17.5	0.3	16.4	-0.3	16.3	-0.1	16.3	-0.5	17.3	-0.6	18.5	-0.9	20.8	-0.1
1994	22.4	0.6	22.9	0.8	22.7	0.9	21.5	0.7	19.1	0.2	17.7	0.5	17.5	0.9	17.3	1.0	16.7	-0.1	18.4	0.5	18.9	-0.5	20.7	-0.2
1995	22.3	0.5	22.7	0.6	22.0	0.1	21.5	0.7	19.1	0.3	16.8	-0.5	17.3	0.6	16.9	0.5	17.3	0.5	17.9	0.0	18.3	-1.1	21.3	0.3
1996	22.7	0.9	22.5	0.7	22.3	0.4	21.1	0.3	18.3	-0.5	17.3	0.1	16.0	-0.7	16.7	0.3	15.8	-0.9	17.8	-0.1	18.9	-0.9	20.9	0.0
1997	22.0	0.3	21.9	-0.1	21.3	-0.5	20.4	-0.3	19.5	0.6	17.6	0.3	17.2	0.6	16.7	0.3	17.0	0.2	17.8	-0.1	19.9	0.5	21.7	0.7
1998	23.1	1.3	24.0	2.0	22.5	0.7	21.6	0.8	19.5	0.7	17.9	0.6	16.9	0.3	16.8	0.4	17.4	0.6	17.9	0.0	18.8	-0.6	20.1	-0.9
1999	20.9	-0.8	21.5	-0.6	21.3	-0.5	20.7	0.0	18.8	0.0	17.5	0.3	17.0	0.3	17.1	0.7	17.6	0.8	17.0	-0.9	19.5	0.1	20.7	-0.3
2000	22.5	0.7	22.4	0.3	21.9	-0.1	21.0	0.2	19.5	0.6	17.7	0.4	17.1	0.4	17.2	0.8	16.8	0.0	17.9	0.0	19.3	-0.1	21.3	0.4
2001	22.7	1.0	22.6	0.5	22.3	0.5	21.5	0.7	19.9	1.0	17.0	-0.3	16.5	-0.2	...	...	17.1	0.3	18.1	0.1	19.0	-0.4	20.4	-0.6
2002	21.7	-0.1	22.0	0.0	22.4	0.5	20.8	0.0	20.2	1.4	17.8	0.6	17.9	1.2	17.1	0.7	17.2	0.4	18.7	0.8	20.3	0.9	22.1	0.2

Table 3.3 - Monthly mean values of humidity (%) with extremes

Region	Station	Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
North	Pamplemousses	1986 - 2000	Mean	81	83	82	82	82	81	79	77	76	76	79		
			Highest Maximum	99	100	99	99	100	100	99	100	100	100	100	100	99
			Lowest Minimum	38	41	43	39	32	30	37	37	40	38	32	28	32
South	Plaisance	1971 - 2000	Mean	81	83	83	83	81	78	77	78	77	78	78	80	
			Highest Maximum	100	100	100	100	100	100	100	100	100	100	99	100	100
			Lowest Minimum	48	51	53	50	51	48	46	43	43	39	46	44	48
East	FUEL	1981 - 2000	Mean	84	87	84	85	83	82	82	82	82	82	81	84	
			Highest Maximum	96	96	96	97	96	96	96	96	97	97	96	96	96
			Lowest Minimum	55	56	60	54	53	50	51	51	51	49	50	48	55
West	Medine	1981 - 2000	Mean	79	82	81	80	79	78	77	76	75	76	77	79	
			Highest Maximum	100	100	99	98	100	100	100	100	100	100	100	100	100
			Lowest Minimum	34	36	36	33	26	23	25	20	20	25	25	30	33
Centre	Vacoas	1990 - 2000	Mean	83	84	85	84	84	83	82	80	80	79	78	81	
			Highest Maximum	98	98	99	99	99	98	98	98	98	98	98	98	99
			Lowest Minimum	47	50	50	44	43	45	41	43	43	30	40	43	42
		1971 - 2000	Mean	83	85	84	85	83	82	82	82	80	80	80	81	
			Highest Maximum	100	99	99	99	99	99	99	99	100	98	99	100	100
			Lowest Minimum	47	46	49	54	47	45	42	45	45	42	43	45	41

Source : Meteorological Services

Table 3.4 - Monthly total hours of sunshine by region and station, 1993 - 2002

Region : North, Station : Pamplémousses													
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEARLY TOTAL
Year													
1993	256	204	204	234	258	225	230	260	225	269	255	297	2,918
1994	250	245	242	230	236	241	247	275	237	285	293	324	3,105
1995	226	241	175	248	215	209	243	218	228	263	259	194	2,718
1996	208	281	262	209	256	214	250	237	231	277	282	236	2,942
1997	219	244	264	220	212	249	229	268	220	212	230	244	2,811
1998	277	122	259	252	239	221	232	228	240	276	271	286	2,686
1999	270	248	252	264	253	227	245	259	240	270	270	241	3,038
2000	205	246	259	248	245	252	224	240	229	238	256	234	2,874
2001	190	192	240	247	249	221	235	270	249	244	269	185	2,791
2002	198	248	221	239	176	236	193	265	249	270	244	201	2,740
Mean 1961-1990	259	221	231	223	235	219	235	237	221	251	257	243	2,830
Region : East, Station : Fuel													
1993	251	205	184	184	212	189	164	203	188	221	227	252	2,481
1994	203	220	218	214	224	199	194	223	199	229	242	280	2,643
1995	173	206	175	164	172	192	196	161	180	226	245	148	2,238
1996	169	234	220	167	192	171	200	176	220	212	270	202	2,434
1997	195	213	240	168	165	204	185	219	175	176	196	226	2,360
1998	236	108	212	154	196	182	184	153	186	232	242	261	2,346
1999	252	210	238	243	222	171	212	202	192	252	239	216	2,647
2000	187	179	200	207	196	217	177	173	187	213	215	207	2,358
2001	164	191	238	187	217	206	186	209	213	244	274	203	2,532
2002	200	241	192	204	129	177	134	186	210	241	217	145	2,276
Mean 1961-1990	219	193	205	183	193	181	185	185	189	209	210	213	2,365

Source : Meteorological Services

Table 3.4 (cont'd) - Monthly total hours of sunshine by region and station, 1993 - 2002

		Region : West, Station : Medine												YEARLY TOTAL
Month	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	1993	227	193	209	226	263	213	233	262	210	266	246	...	2,546
	1994	...	228	230	227	245	248	248	254	218	248	280	304	2,732
	1995	192	210	209	235	211	227	246	210	196	260	263	184	2,642
	1996	216	277	273	200	249	219	243	219	220	240	265	247	2,868
	1997	205	235	241	209	231	258	238	262	199	217	272	242	2,808
	1998	286	126	254	237	231	220	239	222	225	227	246	269	2,783
	1999	231	190	250	257	265	200	233	219	221	272	254	236	2,827
	2000	194	226	226	238	227	235	200	220	219	220	235	238	2,677
	2001	203	178	220	213	237	209	225	233	235	254	264	241	2,712
	2002	213	219	226	199	179	241	199	242	222	233	224	191	2,588
	Mean 1981-2000	233	206	228	214	236	218	230	228	216	237	234	236	2,715
		Region : Centre, Station : Vacoas												
	1993	226	171	206	213	247	208	217	235	211	250	270	278	2,732
	1994	222	211	239	213	226	225	239	241	216	260	258	267	2,818
	1995	189	226	175	216	192	219	238	205	203	253	239	144	2,499
	1996	196	266	242	187	250	222	250	221	240	250	258	205	2,786
	1997	224	228	248	193	204	243	241	249	210	224	214	212	2,690
	1998	278	113	256	208	236	218	189	189	232	258	245	262	2,686
	1999	273	235	230	259	248	209	215	225	207	279	260	240	2,879
	2000	196	222	237	220	225	244	208	206	200	217	235	237	2,646
	2001	202	190	244	228	250	225	233	215	220	254	270	185	2,716
	2002	184	223	208	209	160	212	181	230	236	249	241	196	2,529
	Mean 1961-1990	228	194	222	205	229	211	224	222	219	233	225	215	2,627

Source : Meteorological Services

Table 3.4 (cont'd) - Monthly total hours of sunshine by region and station, 1993 - 2002

		Region : South , Station : Plaisance												YEARLY TOTAL
Month	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	1993	271	206	198	184	220	157	147	189	187	232	271	270	2,532
	1994	221	201	207	216	198	179	171	208	203	241	258	303	2,605
	1995	207	217	195	214	188	198	175	167	202	244	257	194	2,457
	1996	201	230	226	168	209	204	199	167	225	231	289	230	2,577
	1997	217	209	242	174	169	189	161	232	190	186	227	230	2,426
	1998	269	122	221	180	202	170	170	157	200	251	283	303	2,528
	1999	300	255	252	236	236	177	182	179	207	273	257	249	2,802
	2000	203	213	218	219	217	197	174	151	204	217	253	272	2,538
	2001	204	223	252	210	218	185	190	215	234	263	280	249	2,723
	2002	224	258	192	211	149	184	150	183	225	219	253	191	2,437
Mean 1961-1990		249	214	216	188	192	177	181	189	197	234	242	245	2,523

Source : Meteorological Services

Table 3.5 - Ambient air quality monitoring at Medco Cassis, 2001 - 2002 ¹

Pollutant	Unit	Minimum		Maximum		24 hour Average for the year		Ambient air quality standard ²
		2001	2002	2001	2002	2001	2002	
Dust (PM ₁₀)	µg/m ³	12.0	12.0	64.0	75.0	26.4	25.0	100.0
Ozone (O ₃)	ppb	0.0	0.0	37.0	42.0	14.6	15.0	46.7
Sulphur dioxide (SO ₂)	ppb	0.0	0.0	12.0	14.0	2.0	3.0	70.0
Nitrogen dioxide (NO ₂)	ppb	0.0	0.0	22.0	25.0	9.0	9.0	97.5
Carbon monoxide (CO)	ppm	0.0	0.0	1.3	1.8	0.2	0.3	8.0
Total suspended particles (TSP)	µg/m ³	32.4	47.2	110.9	65.9	57.3	56.4	150.0
Lead	µg/m ³	0.0	0.0	0.2	0.1	0.1	0.0	1.5

Source: Ministry of Environment and National Development Unit.

¹ : Estimate

² : 24-hour standard except for Ozone. Carbon monoxide and lead which are based on 1 hour , 8 hour and 3 month averages respectively.

Note: (i) Conversion coefficients (at 25^o C and 1013 bar) have been used to convert the ambient air quality standards.

(ii) Measurements of the parameters are taken on a quarter hourly basis and the averaging time used is 24 hours.

Table 3.6 - Total emissions and removals of greenhouse gases, 1995, 2000 - 2002

Greenhouse gas	Gg or thousand tonne			
	1995	2000 ¹	2001 ²	2002 ²
Emissions				
Carbon Dioxide	1,738.4	2,456.8	2,597.7	2,647.9
Methane	4.6	5.7	5.8	6.0
Oxide of Nitrogen	10.2	13.8	14.2	14.5
Nitrous Oxide	0.7	1.4	1.4	1.5
Carbon Monoxide	67.0	66.3	65.9	62.9
NMVOC ³	15.5	17.2	17.1	18.5
Sulphur Dioxide	13.4	28.9	31.5	30.6
Removals				
Carbon Dioxide	221.4	229.2	234.5	239.5
Net emissions				
Carbon Dioxide	1,517.1	2,227.6	2,363.2	2,408.4

¹ Revised

³ Non - methane volatile organic compound

² Provisional

Table 3.7 - Sectoral carbon dioxide emissions from fossil fuel, 1995, 2000 - 2002

Gg or thousand tonne

Sector	1995		2000 ¹		2001 ²		2002 ²	
	Quantity	%	Quantity	%	Quantity	%	Quantity	%
Energy industries (electricity)	655.6	38	1,185.4	48	1,302.0	50	1,325.9	50
Manufacturing industries	277.7	16	357.4	15	383.6	15	385.5	15
Transport	645.0	37	735.8	30	734.6	28	760.0	29
Residential	138.5	8	141.7	6	141.7	6	141.8	5
Other ³	20.1	1	33.7	1	33.1	1	32.2	1
Total	1,736.9	100	2,454.0	100	2,595.0	100	2,645.4	100

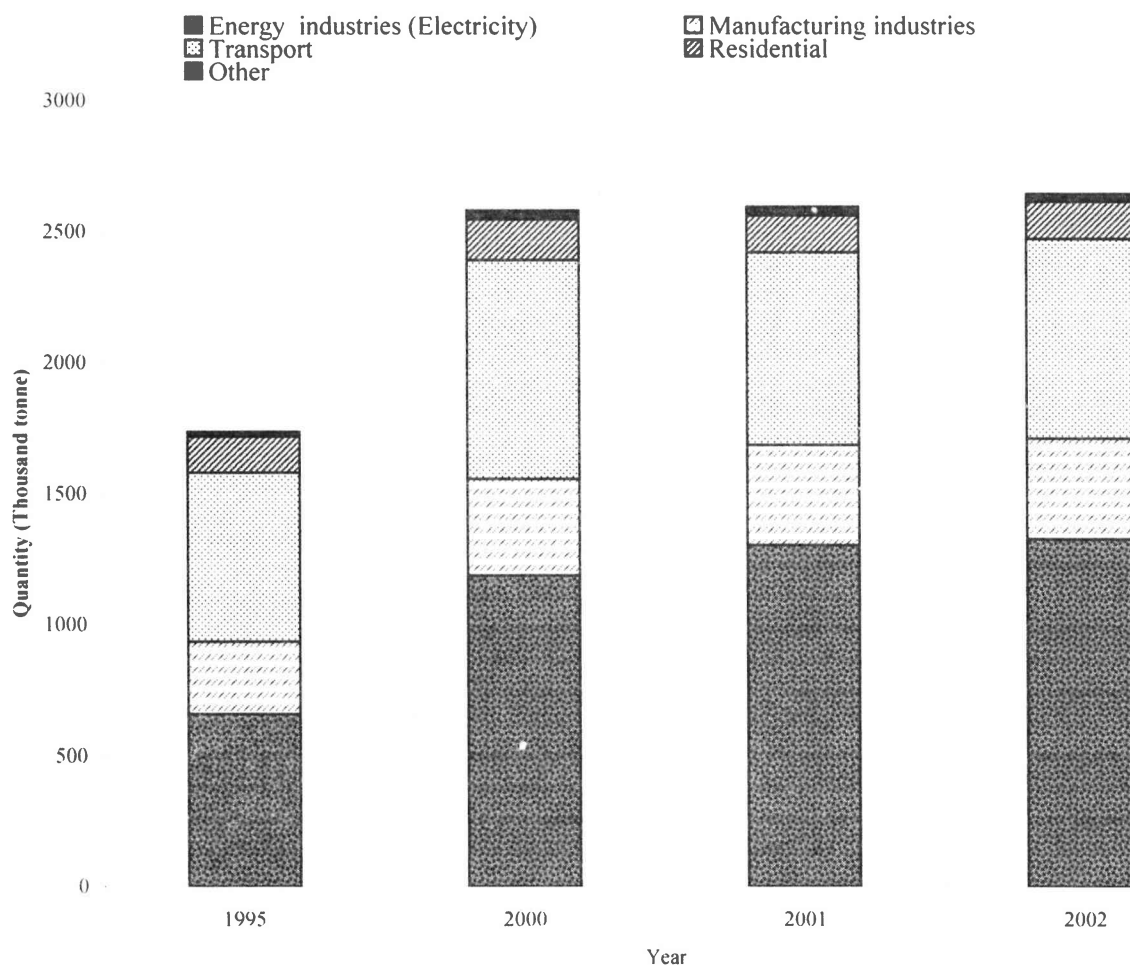
¹ Revised² Provisional³ includes Agriculture and Commerce**Fig 9 - Sectoral carbon dioxide emissions from fossil fuel, 1995, 2000 - 2002**

Table 3.8 - National inventory of greenhouse gases by source categories, 2002¹

Category	Gg or thousand tonne							
	Carbon dioxide(CO ₂) Emissions	Removals	Methane (CH ₄)	Nitrous oxide(N ₂ O)	Oxides of nitrogen(NO _x)	Carbon monoxide(CO)	NMVOC ²	Sulphur dioxide(SO ₂)
1. Energy	2,645.4	-	0.6	0.1	14.1	62.9	8.1	30.6
Fuel combustion activities								
(a) Energy industries (electricity)	1,325.9	-	0.3	0.1	4.8	8.9	0.5	21.5
(b) Manufacturing industries	385.5	-	0.1	-	1.4	14.5	0.2	7.1
(c) Transport	760.0	-	0.1	-	7.7	38.0	7.2	1.9
(d) Other sectors	174.0	-	0.1	-	0.2	1.5	0.2	0.1
2. Industrial processes	2.5	-	-	0.3	0.4	-	10.4	-
3. Solvent and other product use	...	...	...	...	...	...	...	...
4. Agriculture	-	-	1.1	1.1	-	-	-	-
5. Land use change and forestry	-	239.5	-	-	-	-	-	-
6. Waste	-	-	4.3	-	-	-	-	-
Total	2,647.9	239.5	6.0	1.5	14.5	62.9	18.5	30.6

¹ Provisional

² Non - methane volatile organic compound

Table 3.9 - Consumption of controlled ozone - depleting substances by sector, 1993 - 2002

Sector	Metric tonnes											
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002		
Aerosol	2.50	...	2.00	14.24	16.00	16.19	8.90	8.00	2.00	-		
Foam	...	...	0.45	0.40	0.16	-	0.06	...	...	-
Fire fighting	0.27	0.06	-	-	-	-	-	-	-	-		
Refrigeration and air conditioning	62.03	63.80	86.28	41.12	61.58	83.33	99.98	72.22	113.20	136.30		
Solvent	0.05	0.91	2.17	4.18	0.04	1.12	1.09	3.15	0.01	0.02		
Methyl bromide use	...	...	-	0.03	0.60	0.70	0.70	...	0.70	-		
Tobacco fluffing	...	...	-	-	0.04	-	-	...	...	-
Others	0.02	-	-	-	-	-	-	-	...	-		
Total	64.87	64.77	90.90	59.97	78.42	101.34	110.73	83.37	115.91	136.32		

Source : Ministry of Environment and National Development Unit.

Fig 10 - Consumption of ozone - depleting substances by sector, 1993 - 2002

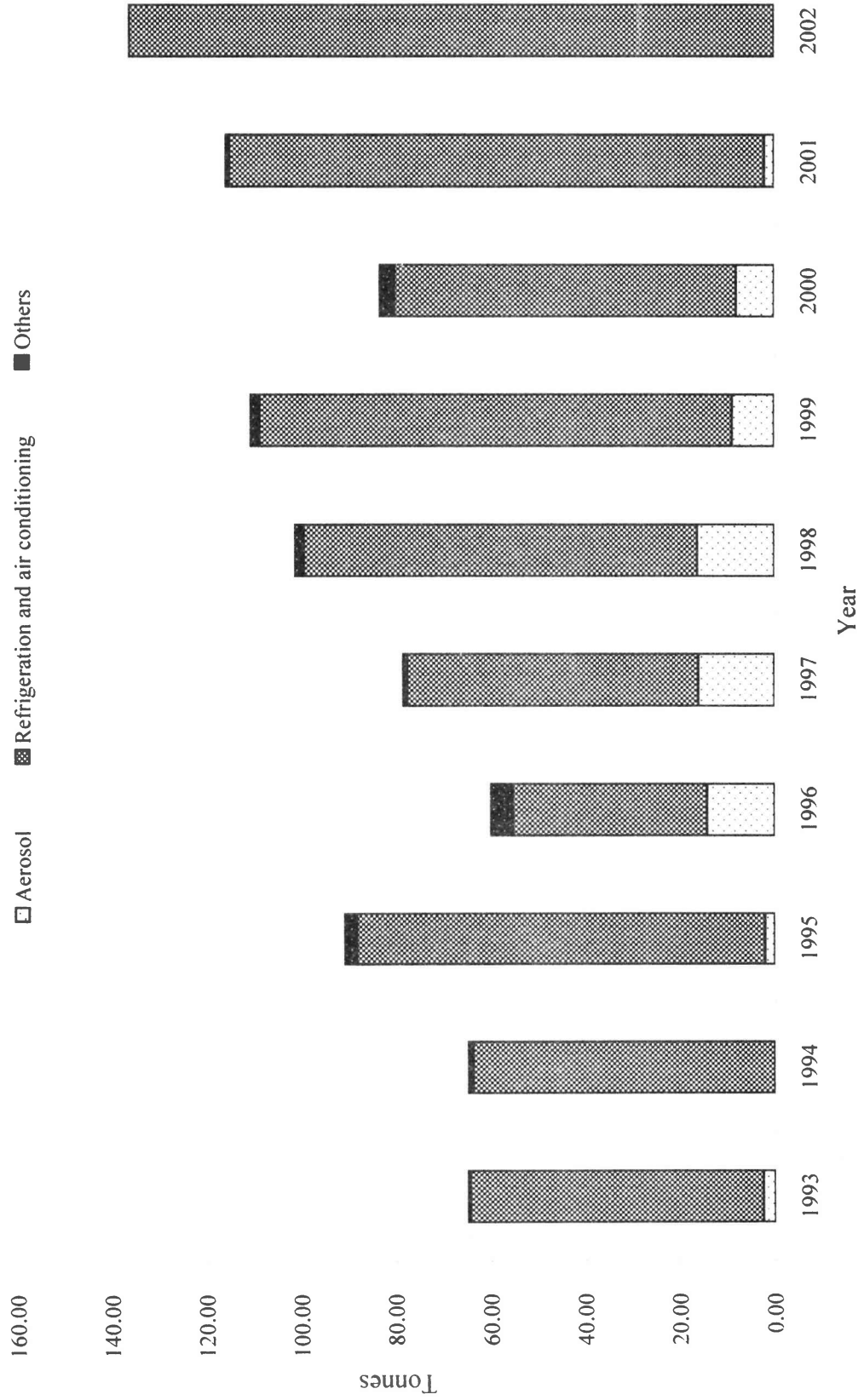


Table 3.10 - Consumption of controlled ozone - depleting substances by type of substances, 1993 - 2002

Type of substances	Metric Tonnes									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Chlorofluorocarbon (CFC's)	64.55	43.44	24.75	36.26	27.12	39.69	19.47	19.26	14.71	7.40
Halons	0.27	0.06	-	-	-	-	-	-	-	-
Carbon tetrachloride	0.05	0.02	0.08	0.04	0.01	0.02	0.01	0.01	0.01	0.02
Methyl chloroform	...	0.08	0.89	4.14	0.03	1.10	1.01	1.10	-	-
Hydrochlorofluorocarbon (HCFC's)	...	21.18	65.18	19.50	50.66	59.83	89.54	63.00	100.49	128.90
Methyl bromide	...	...	-	0.03	0.60	0.70	0.70	...	0.70	-
Total	64.87	64.77	90.90	59.97	78.42	101.34	110.73	83.37	115.91	136.32

Source : Ministry of Environment and National Development Unit.

Fig 11 - Consumption of controlled ozone - depleting substances by type of substances, 1993 - 2002

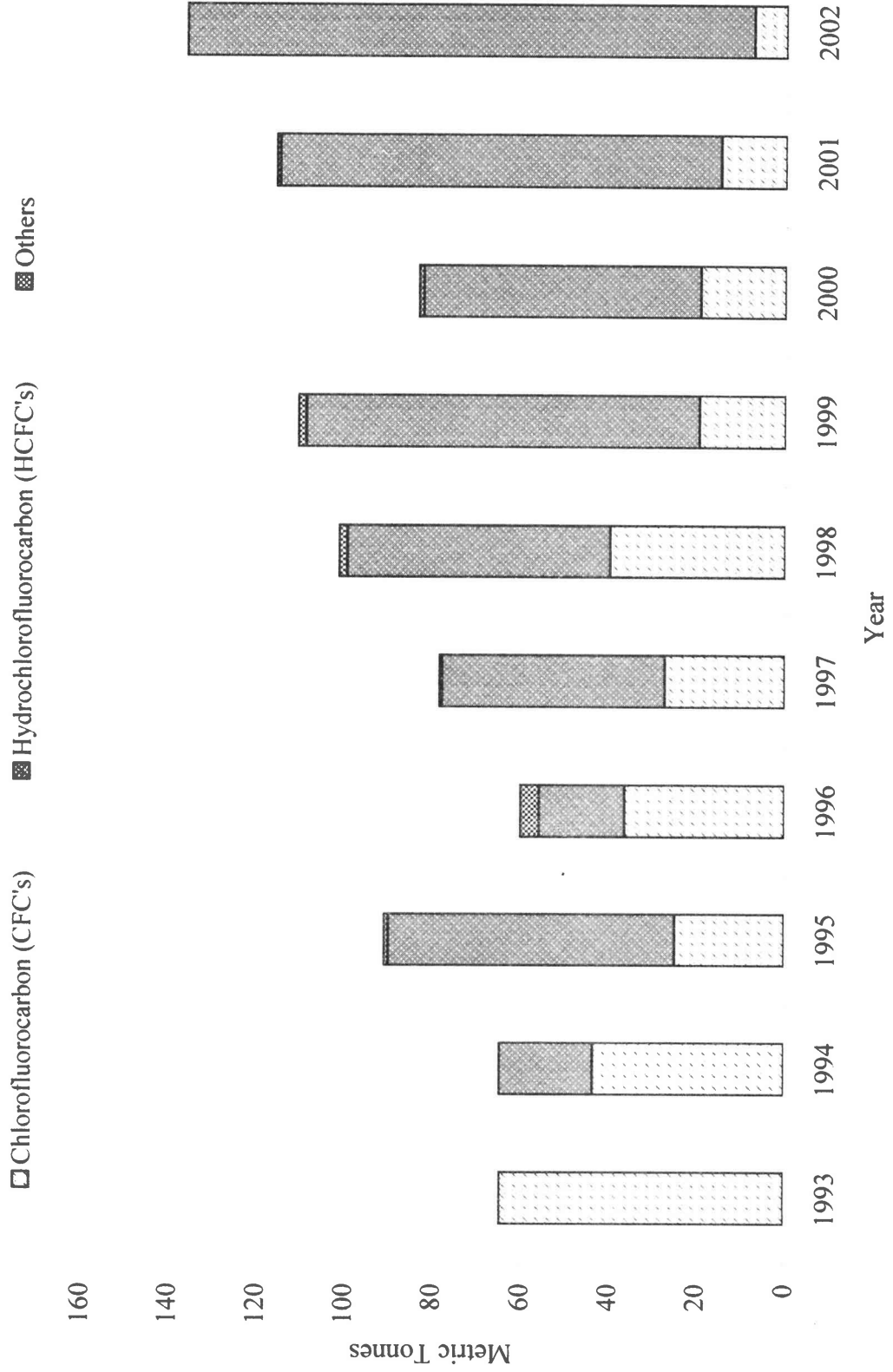


Table 3.11 - Health services (as at 31st December) Republic of Mauritius, 1993 - 2002

	Number									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002 ¹
Hospitals										
Regional General hospitals	4	4	4	4	4	5	5	5	5	5
Day care hospital ²	-	-	-	-	-	-	-	-	-	2
District General hospitals	5	5	5	5	5	4	4	4	4	2
Specialised hospitals (Psychiatric, chest, eye and E.N.T.) ³	4	4	4	4	4	4	4	4	4	4
Cardiac Centre	1	1	-	-	-	1	1	1	1	1
Mediclinics	-	-	-	-	-	2	2	2	2	2
Area health centres ⁴	29	29	29	29	29	27	27	27	27	27
Health centres with beds (Island of Rodrigues)	2	2	2	2	2	2	2	2	2	2
Community health centres ⁴	116	116	117	118	119	120	121	121	121	122
Family health service centres ⁵	9	9	9	9	9	9	9	9	6	3
Dispensaries										
Private dispensaries on sugar estates	25	25	26	26	26	26	24	23	20	19
Mobile dispensaries	5	5	4	3	2	2	1	1	1	1
Clinics										
Dental (including oral surgery and orthodontics)	33	35	36	36	37	38	41	40	41	43
Social hygiene	1	1	1	1	1	1	1	1	1	1
Private (General)	9	9	11	12	12	12	13	13	14	12
Public mobile ante natal and family planning	1	1	1	1	1	-	-	-	-	-
Public mobile dental	2	2	2	2	2	2	1	1	1	1
Health offices	14	14	14	14	14	14	14	14	14	14

¹ Provisional

² Mahebourg and Long Mountain

³ The E.N.T. Centre is administratively attached to Victoria Hospital

⁴ Including Dr.Y.Cantin Community Hospital

⁵ Centres providing maternal and child health and family planning services only

Table 3.12 - Respiratory diseases registered in government hospitals, 1993 - 2002

Detail	Number									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Both sexes										
General hospital discharges ¹ (including deaths)	8,339	8,922	9,961	9,793	9,749	10,637	12,473	12,021	9,788	10,442
First attendances ¹ at regional health centres	199,329	197,935	24,047	241,974	278,699	316,559	364,556	406,752	382,557	...
Discharges (including deaths) at P D'Or chest hospital	277	230	278	211	340	394	448	488	412	530
New cases diagnosed at specialist clinics in chest diseases	520	589	570	867	1,097	1,167	1,393	1,667	1,753	1,330
Male										
General hospital discharges ¹ (including deaths)	4,246	4,462	5,075	5,136	5,066	5,614	6,408	6,255	5,088	5,337
First attendances ¹ at regional health centres	92,912	92,215	111,222	113,784	131,228	151,076	175,504	197,363	184,994	...
Discharges (including deaths) at P D'Or chest hospital	191	171	198	143	244	259	319	352	289	391
New cases diagnosed at specialist clinics in chest diseases	330	328	342	514	673	715	841	955	962	766
Female										
General hospital discharges ¹ (including deaths)	4,093	4,460	4,886	4,657	4,683	5,023	6,065	5,766	4,700	5,105
First attendances ¹ at regional health centres	106,417	105,720	129,825	128,190	147,471	165,483	189,052	209,389	197,563	...
Discharges (including deaths) at P D'Or chest hospital	86	59	80	68	96	135	129	136	123	139
New cases diagnosed at specialist clinics in chest diseases	190	261	228	353	424	452	552	712	791	564

Source: Statistics Unit, Ministry of Health and Quality of Life.
¹ due to diseases of the respiratory system

Table 3.13 - Cases of asthma treated as in - patients in government hospitals, 1996 - 2002

Year	In - Patients		
	Male	Female	Total
1996	1,814	1,876	3,690
1997	1,726	1,787	3,513
1998	1,730	1,657	3,387
1999	2,005	1,994	3,999
2000	1,794	1,893	3,687
2001	1,565	1,616	3,181
2002	1,573	1,667	3,240

Source: Statistics Unit , Ministry of Health and Quality of Life.

Table 3.14 - Deaths registered due to asthma, 1996 - 2002

Year	Deaths		
	Male	Female	Total
1996	68	54	122
1997	69	50	119
1998	98	61	159
1999	80	70	150
2000	94	68	162
2001	74	94	168
2002	105	61	166

Source: Statistics Unit , Ministry of Health and Quality of Life.

Table 3.15 - Cases of asthma treated as in - patients in government hospitals by age group and sex, 2002

Age group (years)	Number of cases		
	Male	Female	Total
Less than one year	18	11	29
1 - 4	173	92	265
5 - 9	133	94	227
10 - 14	83	62	145
15 - 19	38	35	73
20 - 24	38	41	79
25 - 29	32	37	69
30 - 34	52	60	112
35 - 39	45	77	122
40 - 44	70	78	148
45 - 49	81	125	206
50 - 54	102	156	258
55 - 59	94	128	222
60 - 64	84	114	198
65 - 69	124	129	253
70 - 74	176	134	310
75 - 79	118	155	273
80 - 84	75	87	162
85 and over	37	52	89
Total	1,573	1,667	3,240

Source: Statistics Unit , Ministry of Health and Quality of Life.

Table 3.16 - Deaths registered due to asthma by age group and sex, 2002

Age group (years)	Number of cases		
	Male	Female	Total
Less than one year	-	-	-
1 - 4	-	-	-
5 - 9	-	-	-
10 - 14	-	1	1
15 - 19	-	-	-
20 - 24	-	1	1
25 - 29	2	-	2
30 - 34	-	-	-
35 - 39	3	4	7
40 - 44	4	2	6
45 - 49	3	4	7
50 - 54	7	2	9
55 - 59	9	3	12
60 - 64	6	4	10
65 - 69	13	4	17
70 - 74	18	5	23
75 - 79	16	8	24
80 - 84	12	7	19
85 and over	12	16	28
Total	105	61	166

Source: Statistics Unit , Ministry of Health and Quality of Life.

Table 3.17 - Households with members suffering from health problems related to air pollution by type of problem, - Republic of Mauritius, 2001

Health problem	Households reporting specific health problems		
	Number	as a % of households reporting health problems	as a % of all sampled households
Breathing difficulties	242	62.0	3.8
ENT problems	163	41.2	2.6
Asthma	138	35.4	2.2
Eye troubles	81	20.8	1.3
Skin diseases	65	16.7	1.0

Source : CSO - Continuous Multi-Purpose Household Survey 2001

CHAPTER 4

WATER

Table 4.1 - Monthly rainfall, 1993 - 2002

MONTH	YEAR											
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Millimetres	
January	Mean	96.2	171.4	306.2	243.6	264.1	144.4	53.9	393.5	278.6	573.1	
	Difference from Normal	-181.1	-105.9	+29.0	-33.6	-13.6	-132.9	-223.3	+115.3	0.3	+295.0	
February	Mean	388.5	318.7	242.8	160.6	157.4	592.2	168.7	313.4	205.1	99.0	
	Difference from Normal	+91.4	+21.9	-53.8	-136.8	-139.4	+295.4	-128.1	+15.7	-92.7	-198.7	
March	Mean	486.3	239.9	429.3	119.6	78.3	162.8	125.5	166.2	155.8	224.0	
	Difference from Normal	+244.3	-2.1	+201.8	-123.2	-163.8	-79.4	-116.5	-76.9	-87.3	-19.1	
April	Mean	185.8	167.4	121.6	187.9	284.1	115.0	79.0	186.1	329.9	135.4	
	Difference from Normal	-41.0	-59.3	+105.5	-39.4	+57.3	-111.7	-147.7	-41.7	102.0	-92.5	
May	Mean	235.9	105.7	343.9	64.8	188.4	162.6	70.0	95.8	95.3	141.1	
	Difference from Normal	+85.8	-44.5	+191.1	-85.6	+38.3	+10.3	-80.2	-56.5	-55.9	-10.1	
June	Mean	110.3	62.3	76.6	83.1	107.5	62.7	83.5	105.1	79.1	127.6	
	Difference from Normal	-6.8	-54.8	-40.6	-34.1	-9.7	-54.4	-33.7	-12.7	-38.7	+9.9	
July	Mean	109.2	96.3	114.9	111.7	119.5	141.0	152.5	117.1	93.3	139.9	
	Difference from Normal	-10.1	-23.0	-17.7	-7.2	+0.2	+20.7	+33.2	-3.1	-26.9	+19.7	
August	Mean	154.5	129.1	126.6	57.3	62.7	85.7	96.5	149.2	74.1	111.9	
	Difference from Normal	+46.2	+20.8	+18.2	-50.9	-45.7	-22.7	-9.6	+40.2	-35.1	+2.8	
September	Mean	78.4	57.4	86.5	26.9	83.7	78.9	82.9	43.7	71.9	37.1	
	Difference from Normal	+3.4	-17.4	+11.6	-47.9	+8.9	+4.1	+8.1	-31.6	-3.4	-38.2	
October	Mean	39.6	29.8	24.4	75.5	65.8	62.5	40.7	71.3	83.8	60.4	
	Difference from Normal	-33.1	-42.8	-44.0	-2.9	-6.9	-10.2	-32.0	-1.9	10.7	-12.8	
November	Mean	42.5	69.6	51.3	25.8	57.4	31.3	29.1	81.5	33.2	34.4	
	Difference from Normal	-51.5	-24.2	-42.8	-67.9	-36.3	-62.4	-59.8	-12.9	-61.1	-60.0	
December	Mean	184.5	66.8	510.2	409.0	220.8	37.7	120.1	75.2	153.3	222.4	
	Difference from Normal	-30.1	-147.9	+295.5	+194.3	+6.2	-179.4	-95.5	-140.4	-62.3	+6.8	
Total Year	Mean	2,111.7	1,514.4	2,434.3	1,565.8	1,689.7	1,676.8	1,102.4	1,798.1	1,653.4	1,906.3	
	Difference from Normal	+117.4	-479.2	+653.8	-429.4	-304.5	-322.6	-885.1	-206.5	-350.4	-97.2	

Fig 12 - Rainfall difference from normal, 2002

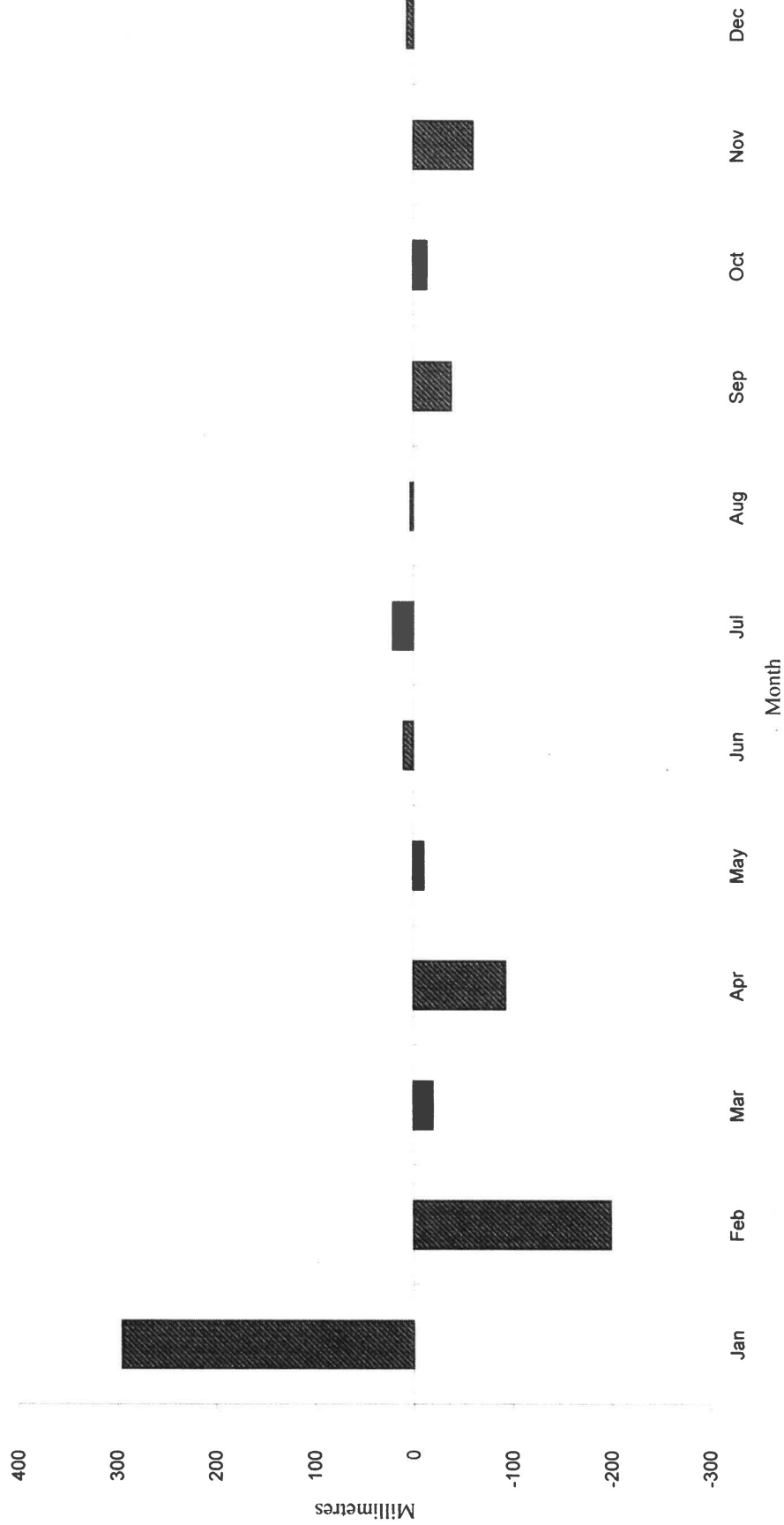


Table 4.2 - Yearly rainfall by region, 1993 - 2002

REGION	YEAR										
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
North	Mean	1,368.9	946.5	1,621.4	1,018.9	1,045.2	1,097.7	601.3	1,043.6	1,019.6	1,040.0
	Difference from Normal	-37.7	-463.4	+210.0	-400.8	-366.3	-330.7	-808.6	-366.7	-390.6	-370.2
South	Mean	2,779.4	1,854.1	2,705.9	1,774.7	2,160.8	2,142.3	1,336.7	2,055.2	2,124.0	2,314.0
	Difference from Normal	+405.2	-520.1	+344.6	-599.2	-213.1	-231.8	-1030.3	-318.8	-250.4	-60.4
East	Mean	2,463.4	1,829.3	3,110.7	2,020.8	2,116.0	2,045.3	1,534.6	2,386.8	1,993.8	2,303.9
	Difference from Normal	+25.2	-578.2	+693.5	-386.4	-291.7	-366.3	-87.3	-20.6	-423.9	-113.8
West	Mean	750.6	766.3	1,138.6	623.6	669.2	628.6	404.7	908.4	799.3	1,357.7
	Difference from Normal	-141.2	-122.0	+252.1	-264.8	-219.1	-259.9	-484.1	+202.2	-89.5	+468.9
Centre	Mean	2,106.9	1,677.0	2,920.9	1,878.0	1,599.4	1,605.3	1,145.4	2,006.5	1,536.1	2,105.6
	Difference from Normal	-5.0	-435.1	+805.8	-233.9	-512.7	-507.8	-966.6	-115.9	-576.2	+6.7
Island	Mean	2,111.7	1,514.4	2,434.3	1,565.8	1,689.7	1,676.8	1,102.4	1,798.1	1,653.4	1,906.3
	Difference from Normal	+117.4	+479.2	+653.8	-429.4	-304.5	-322.6	-885.1	-206.5	-350.4	+97.5

Source : Meteorological Services

Table 4.3 - Water balance , 1998 - 2002

	Unit	1998	1999	2000	2001	2002
Rainfall	Mm ³	3,473	2,184	3,749	3,527	3,905
Surface runoff	Mm ³	2,084	1,311	2,249	2,116	2,343
Evapotranspiration	Mm ³	1,042	655	1,125	1,058	1,171
Net recharge to groundwater	Mm ³	347	218	375	353	391

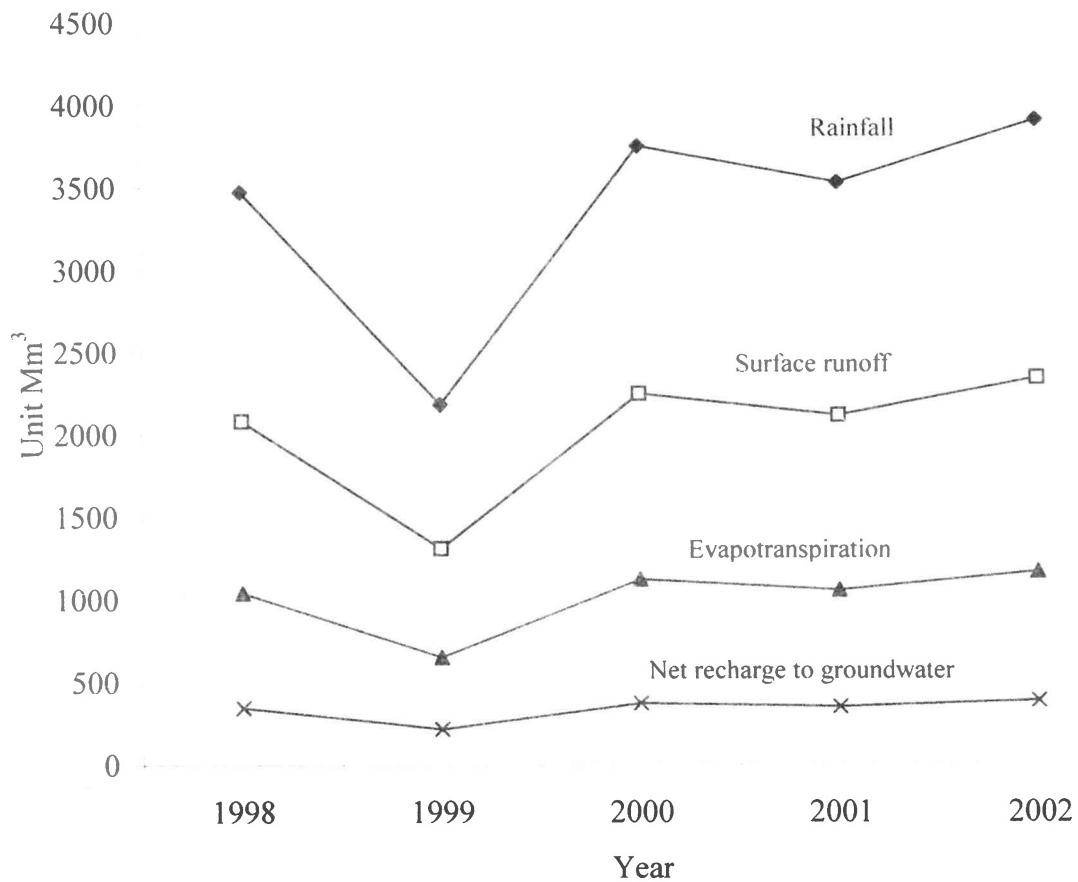
Fig 13 -Water balance , 1998 - 2002

Table 4.4 - Water utilisation ¹, 2002.

Million cubic metres

Use	Surface water		Ground water	Total
	River-run offtakes	Storage		
Domestic, Industrial and Tourism	33	55	124	212
of which, private boreholes	–	–	10	10
Agricultural (irrigation)	417	73	24	514
Hydropower	107	142	–	249
Total	557	270	148	975

Source: Water Resources Unit, Ministry of Public Utilities

¹ Estimates

Fig. 14 - Water utilisation, 2002

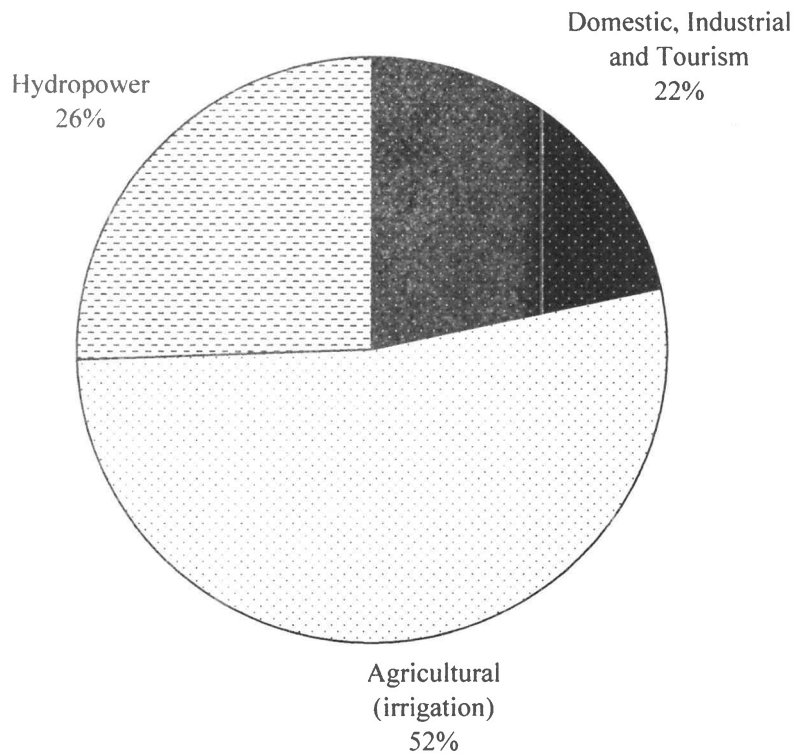


Table 4.5 - Fresh water abstractions¹ by source, 1993 - 2002²

Source	Million cubic metres									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Surface water	519	512	525	515	506	508	405	536	515	524
Reservoirs	117	115	129	125	115	119	61	147	125	128
Rivers and streams	402	397	396	390	391	389	344	389	390	396
Ground water	109	117	125	115	114	131	111	145	145	148
Total	628	629	650	630	620	639	516	681	660	672

Source: Water Resources Unit, Ministry of Public Utilities

¹ for agricultural, domestic and industrial purposes.

² Hydrologic year (i.e. From November n-1 to October n ,where n = year)

Table 4.6 - Characteristics of major reservoirs

Name of reservoir	Mare aux Vacoas Nicoliere Piton du Milieu Mare Longue La Ferme Tamarind Falls Eau Bleue Diamamove Midlands Dam
Characteristics	
Purpose	Potable Potable and irrigation Potable Hydro - power and irrigation Irrigation Hydro - power and irrigation Hydro - power and irrigation Hydro - power Hydro - power Hydro - power and irrigation Potable and irrigation Hydro - power Potable and irrigation
Total capacity (Mm ³)	25.89 5.26 2.99 6.28 11.52 2.30 6.20 4.40 25.50
Full reservoir level, m (a.m.s.l) ¹	566.35 249.02 438.00 500.00 146.00 495.00 357.00 241.00 395.00
Maximum water spread area (km ²)	5.60 1.02 0.76 1.05 2.28 1.68 0.75 0.43 2.98

Source: Water Resources Unit, Ministry of Public Utilities

¹ a.m.s.l : above mean sea level

Table 4.7 - Gross storage capacity of reservoirs

Million cubic metres

Reservoir	Gross capacity
Mare aux Vacoas ¹	25.9
Mare Longue	6.3
La Ferme ¹	11.5
Piton du Milieu ¹	3.0
La Nicoliere ¹	5.3
Tamarind Falls	2.3
Eau Bleue	6.2
Diamamove	4.4
Dagotiere	0.6
Valetta	2.0
Midlands Dam	25.5
Total Storage Capacity	93.0

Source: Water Resources Unit, Ministry of Public Utilities

¹ Based on hydrographic survey of 1997

Table 4.8 - Percentage water level by month and reservoir - 2002

Month	Mare aux Vacoas			La Nicoliere			Piton du Milieu			La Ferme			Mare Longue			All reservoirs						
	25.89 Mm ³			5.26 Mm ³			2.99 Mm ³			11.52 Mm ³			6.28 Mm ³			51.94 Mm ³						
	Normal ¹ %	Mean ² %	Min %	Max %	Normal ¹ %	Mean ² %	Min %	Max %	Normal ¹ %	Mean ² %	Min %	Max %	Normal ¹ %	Mean ² %	Min %	Max %	Normal ¹ %	Mean ² %				
Jan	60.5	61.9	48.4	84.3	63.0	78.3	27.6	100.0	63.5	73.7	40.5	100.0	22.6	21.4	3.5	55.2	31.9	29.3	2.7	75.8	49.1	51.3
Feb	64.6	81.8	79.7	84.1	74.7	97.2	93.3	100.0	72.0	99.3	98.7	100.0	30.4	80.0	58.2	94.6	48.1	79.7	76.3	83.8	56.5	83.7
Mar	80.2	85.0	79.6	87.4	91.3	99.1	95.8	100.0	87.8	99.3	97.7	100.0	64.3	98.7	95.1	100.0	72.9	87.2	82.8	90.1	77.3	90.6
Apr	83.1	87.0	84.5	88.7	92.3	89.8	78.1	97.7	88.8	97.7	95.3	100.0	74.7	90.6	83.0	97.7	75.0	94.1	89.6	96.7	81.5	89.5
May	83.4	87.8	86.9	88.8	95.0	72.5	61.5	78.5	90.8	97.9	95.3	99.3	77.4	74.8	66.1	82.3	77.4	90.7	82.3	96.2	82.9	84.3
Jun	80.5	90.2	89.0	93.4	93.9	79.1	62.7	91.1	86.1	98.9	98.3	99.7	68.9	60.0	54.1	65.5	72.8	85.1	81.7	92.5	78.7	82.3
Jul	79.4	95.0	93.4	96.3	92.9	98.3	91.8	100.0	83.0	99.2	98.3	100.0	58.1	49.6	46.4	53.8	65.1	97.5	93.0	99.2	74.5	85.8
Aug	79.7	96.9	95.8	98.0	94.2	99.1	95.8	100.0	83.0	98.7	97.3	100.0	49.4	44.3	42.4	46.2	62.6	98.9	98.6	99.4	72.6	85.8
Sep	77.7	95.5	92.9	97.6	89.4	83.9	55.2	97.5	80.7	95.6	88.3	99.3	37.3	39.4	35.4	42.5	58.3	98.1	94.4	99.2	67.8	82.2
Oct	71.5	87.5	82.7	92.4	68.7	38.1	31.0	53.9	72.5	80.4	73.9	88.0	25.1	28.5	21.4	35.0	46.0	77.6	62.1	93.5	57.9	67.8
Nov	62.9	77.7	72.8	82.2	46.2	24.7	18.8	30.6	60.1	66.2	57.9	72.9	13.0	15.1	10.1	20.9	28.4	46.4	26.8	61.0	45.8	54.0
Dec	57.5	71.9	70.2	73.2	39.2	31.4	19.6	39.6	56.8	58.6	54.8	66.9	9.8	7.7	5.5	10.1	19.9	16.1	11.5	25.0	40.5	46.1

¹ Average for the period 1990 - 1999² Average for the current month

Table 4.9 - Average monthly potable water production (Mm³), 2002

Month	Mare Aux Vacoas (Upper)		Mare Aux Vacoas (Lower)		Port -Louis		District water supply - North		District water supply - South		District water supply - East		Total production										
	Surface	Borehole	Surface	Borehole	Surface	Borehole	Surface	Borehole	Surface	Borehole	Surface	Borehole	Surface	Borehole	Total	Surface (%)	Borehole (%)						
Jan	2.47	0.46	2.93	0.01	2.05	2.06	1.67	0.99	2.65	1.02	2.05	3.07	0.73	1.22	1.95	0.74	1.09	1.84	6.64	7.86	14.50	45.8	54.2
Feb	2.20	0.48	2.68	0.01	2.11	2.11	1.58	0.96	2.54	0.99	2.04	3.02	0.69	1.06	1.75	0.73	1.02	1.75	6.19	7.67	13.86	44.7	55.3
Mar	2.50	0.51	3.01	0.01	2.39	2.40	1.87	1.09	2.95	1.11	2.29	3.39	0.72	1.17	1.89	0.83	1.10	1.93	7.04	8.54	15.57	45.2	54.8
Apr	2.29	0.50	2.79	0.01	2.23	2.24	1.86	0.95	2.81	1.12	2.04	3.17	0.71	1.16	1.86	0.76	1.02	1.77	6.74	7.89	14.64	46.1	53.9
May	2.35	0.50	2.84	0.01	2.26	2.27	1.96	0.78	2.74	1.19	2.10	3.29	0.72	1.10	1.82	0.83	1.04	1.87	7.06	7.77	14.83	47.6	52.4
Jun	2.35	0.49	2.84	0.01	2.21	2.22	1.86	0.71	2.56	1.14	1.98	3.12	0.64	1.07	1.71	0.79	1.01	1.81	6.78	7.47	14.25	47.6	52.4
Jul	2.46	0.49	2.95	0.01	2.27	2.28	1.88	0.78	2.66	1.22	1.98	3.20	0.69	1.10	1.79	0.82	1.01	1.83	7.08	7.63	14.71	48.1	51.9
Aug	2.49	0.51	3.00	0.01	2.24	2.25	1.91	0.69	2.60	1.44	1.88	3.32	0.68	1.09	1.77	0.78	1.00	1.78	7.31	7.41	14.72	49.7	50.3
Sep	2.54	0.50	3.04	0.01	2.27	2.28	1.68	0.82	2.50	1.53	1.75	3.28	0.69	1.15	1.84	0.76	1.11	1.87	7.21	7.60	14.81	48.7	51.3
Oct	2.73	0.53	3.25	0.01	2.20	2.21	1.73	0.88	2.61	1.08	1.89	2.97	0.75	1.31	2.06	0.72	1.27	1.99	7.02	8.08	15.10	46.5	53.5
Nov	2.78	0.50	3.28	0.01	2.14	2.15	0.82	1.66	2.49	1.09	1.89	2.98	0.75	1.28	2.03	0.72	1.19	1.91	6.17	8.66	14.83	41.6	58.4
Dec	2.88	0.50	3.38	0.01	2.17	2.18	0.82	1.73	2.54	1.27	1.87	3.14	0.75	1.32	2.07	0.75	1.23	1.98	6.47	8.82	15.29	42.3	57.7
Total year	30.0	6.0	36.0	0.1	26.5	26.6	19.6	12.0	31.7	14.2	23.8	38.0	8.5	14.0	22.5	9.2	13.1	22.3	81.7	95.4	177.1	46.1	53.9

Table 4.10 - Water sales by type of tariff of subscribers, 1998 - 2002

Type of tariff	1998		1999		2000		2001		2002	
	No. of subscribers	Volume (Mm ³)	No. of subscribers	Volume (Mm ³)	No. of subscribers	Volume (Mm ³)	No. of subscribers	Volume (Mm ³)	No. of subscribers	Volume (Mm ³)
Domestic	215,667	69,173	223,572	62,003	231,425	65,254	237,524	67,054	243,689	67,618
Commercial	9,579	5,626	9,330	4,594	9,176	4,833	9,237	5,034	9,233	5,186
Government	3,155	4,577	3,322	3,264	3,368	3,457	3,474	3,789	3,538	4,026
Agriculture and Livestock Producers	1,532	812	1,633	973	1,743	887	1,831	946	2,009	1,023
Industrial	782	4,656	782	4,327	782	4,603	781	4,679	766	4,727
Hotels , Guest houses	165	2,940	178	3,093	182	3,324	187	3,624	191	3,492
Acquired/concessionary ≡ prises	50	29	49	75	51	70	47	20	48	21
Total Potable water	230,930	87,813	238,866	78,329	246,727	82,428	253,081	85,146	259,474	86,093
Total non - treated water	208	12,038	220	12,591	228	13,438	228	16,664	231	14,693
TOTAL	231,138	99,851	239,086	90,920	246,955	95,866	253,309	101,810	259,705	100,786

Table 4.11 - Domestic per capita consumption of water ¹, 1993 - 2002

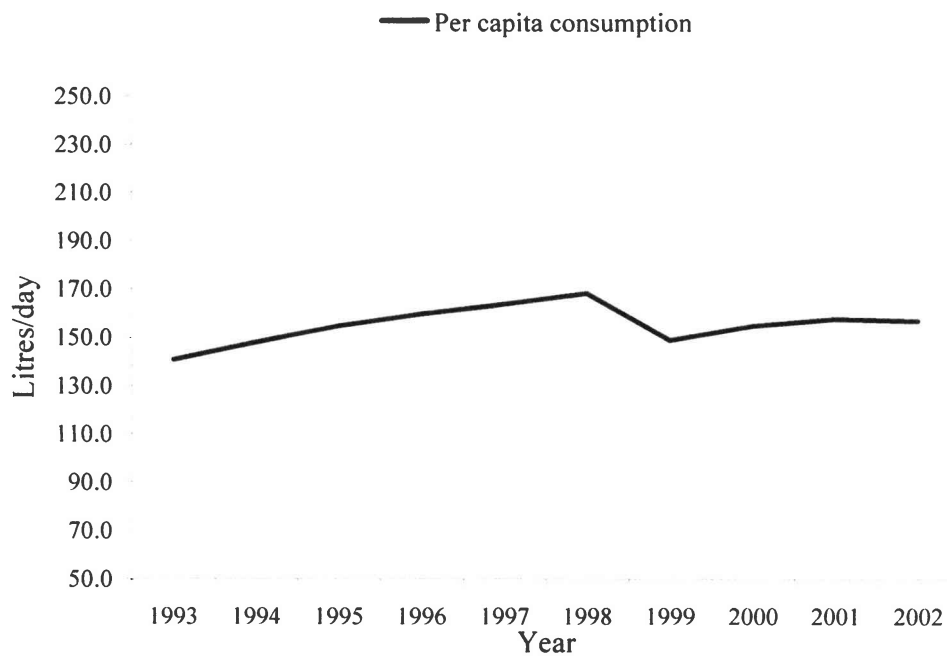
Litres / day	
Year	Per capita consumption
1993	140.7
1994	148.0
1995	154.8
1996	159.7
1997	163.8
1998	168.4
1999	149.0
2000	154.9
2001	157.8
2002 ²	157.0

Source: Water Resources Unit, Ministry of Public Utilities

¹ Potable water

² Provisional estimate

**Fig. 15 - Domestic per capita consumption of water,
1993 - 2002**



Note : The fall in consumption in 1999 is due to an unusually severe drought .

Table 4.12 - Volume of water used by the CEB for hydropower generation, 1993 - 2002

Power station	Million cubic metres									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Champagne	93	64	116	83	67	70	23	69	56	71
Ferney	108	84	131	104	106	111	39	102	80	81
Tamarind Falls	35	29	39	34	29	40	9	34	25	31
Le Val	3	1	23	14	14	15	1	16	4	9
Reduit	27	18	37	28	23	18	1	17	11	19
Cascade Cecile	13	4	20	16	20	22	8	19	16	19
Magenta	27	21	28	25	19	27	6	23	14	17
La Ferme	1	1	7	8	6	7	-	5	1	4
Total	307	222	401	312	284	310	87	285	207	251

Source: Central Electricity Board

Table 4.13 - Guidelines for inland surface water¹ quality

Parameters	Unit	Maximum Limits
<u>Inorganics</u>		
Boron	µg/l	0.75
Cadmium	"	0.70
Chlorine Residual	"	2.0
Chromium (total)	"	2.0
Copper	"	6.5
Cyanide	"	5.2
Dissolved Oxygen	mg/l	6.0 ²
Iron	mg/l	1.0
Lead	µg/l	1.3
Mercury	"	0.1
Methyl Mercury compounds	"	0.012
Nickel	"	87.6
pH		6.5 - 9.0
Selenium	µg/l	1.0
Silver	"	1.2
Zinc	"	59
Sulphide H ₂ S	"	2.0
Phosphate (for a lake)	"	25
(for streams entering a lake)	"	50
(for streams not entering a lake)	"	100
<u>Organics</u>		
Dieldrin	µg/l	0.0019
Chlordane	"	0.0043
Pentachlorophenol (for pH 6.5 - 7.5)	"	3.5 - 9.5
DDT	"	0.001
Endosulfan (alpha and beta forms)	"	0.056
Endrin	"	0.0023
Guthion	"	0.01
Lindane	"	0.08
Oil and Greases	"	Undetectable
PCBs	"	0.014
Suspended solids (at background concentration <100 mg/l)	mg/l	10
(when background conc.> 100 mg/l)	mg/l	10% of background concentration

Source: Ministry of Environment and National Development Unit.

¹ Water of river, watercourse, stream, lake, pond, dam or reservoir.

² Lower limit at 25^o C.

Table 4.14 - River water quality by selected physico-chemical parameters for Grand River South East (GRSE) and Grand River North West (GRNW), Jan - Nov 2002

Parameters	Unit	GRNW A	GRNW B	GRNW C	GRNW D	GRSE A	GRSE B	GRSE C	GRSE D
		Wooton	Cinq Arpents	Coromandel	GRNW Old Bridge	La Chartreuse	Kewal Nagar	La Nourrice	Beau Champ
Temperature	°C	19 - 22	19 - 25	20 - 26	21 - 28	19 - 24	21 - 28	22 - 26	22 - 28
pH		7.0 - 7.3	6.8 - 7.2	7.7 - 8.1	7.6 - 8.4	7.2 - 7.4	6.9 - 7.3	7.7 - 7.8	6.3 - 7.9
Conductivity	mS/cm	0.11 - 0.15	0.11 - 0.13	0.20 - 0.28	0.20 - 0.30	0.10 - 0.16	0.10 - 0.14	0.15 - 0.19	0.14 - 0.18
Total Dissolved Solids	g/l	0.05 - 0.08	0.05 - 0.07	0.10 - 0.14	0.10 - 0.15	0.05 - 0.08	0.05 - 0.07	0.07 - 0.10	0.07 - 0.09
Dissolved Oxygen	mg/l	7.0 - 8.2	6.1 - 8.4	7.0 - 8.7	6.9 - 9.0	6.6 - 8.5	5.5 - 8.1	7.4 - 8.4	6.7 - 8.8
Turbidity	NTU	0.5 - 2.9	1.6 - 4.6	0.6 - 3.6	0.4 - 2.9	1.3 - 6.2	2.5 - 22.0	1.5 - 4.1	1.4 - 14.0
Chemical Oxygen Demand	mg/l	5 - 95	3 - 30	3 - 40	3 - 38	1 - 20	2 - 19	4 - 99	3 - 21
Fluoride	mg/l	-	-	-	-	-	-	-	-
Chloride	mg/l	14.6 - 49.8	13.6 - 64.0	17.0 - 75.0	17.2 - 29.2	10.9 - 15.7	14.0 - 18.4	14.9 - 20.5	14.8 - 19.4
Nitrate (N)	mg/l	0.3 - 3.7	0.4 - 5.1	0.7 - 11.3	1.3 - 11.0	0.2 - 3.5	0.5 - 3.6	1.1 - 11.9	1.2 - 7.3
Phosphate(P)	mg/l	0.01 - 0.02	0.01 - 0.02	0.01 - 0.02	0.01 - 0.02	0.01 - 0.02	0.01 - 0.03	0.01 - 0.02	0.01 - 0.02
Sulphate	mg/l	0.5 - 8.2	0.8 - 6.2	7.7 - 19.6	7.9 - 16.8	0.8 - 4.9	1.1 - 4.2	0.8 - 4.6	1.1 - 4.7

Source : National Environmental Laboratory, Ministry of Environment and National Development Unit.

Table 4.15 - Range of levels of Nitrate-Nitrogen, Phosphate and COD for selected regions, 2002.

Milligram per litre

Region	Chemical water quality parameter		
	Nitrate-Nitrogen ¹ (NO ₃ ⁻ - N)	Phosphate ¹ (PO ₄ ³⁻)	Chemical Oxygen Demand ¹ (COD)
Ile aux Benitier	0	0 - 0.03	0.1 - 0.5
Bel Ombre	0	0 - 0.05	0.1 - 0.9
Bambous Virieux	0	0.01 - 0.02	0.1 - 0.5
Trou D'Eau Douce	0	0 - 0.06	0.1 - 0.8
Anse la Raie	0	0.01 - 0.04	0.2 - 0.5
Trou aux Biches	0	0 - 0.05	0.2 - 0.7
Pointe aux Sables	0	0 - 0.10	0 - 1.7
Tombeau Bay	0	0 - 0.25	0.1 - 1.5
Port Louis Harbour	0	0 - 0.18	0.1 - 0.6

Source: Albion Fisheries Research Centre, Ministry of Fisheries.

¹ All values below detection limit are taken as zero.

Note: A value of zero for NO₃⁻ - N and COD in the table stands for <0.1 and a value of zero for PO₄³⁻ stands for <0.01. The detection limit of the methods used for the analysis of nitrate-nitrogen, phosphate and COD in seawater are 0.1 mg/l, 0.01 mg/l and 0.1 mg/l respectively.

Table 4.16 - Volume of wastewater treated by public treatment stations, 1995 - 2002

Station	Million cubic metres							
	1995	1996	1997	1998	1999	2000	2001	2002
Fort Victoria	5.00	5.00	5.10	5.10	5.20	5.20	5.30	5.30
Baie du Tombeau	4.60	4.60	4.70	4.70	4.75	4.80	4.85	4.85
Pailles TP ¹	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B. Marchand ¹	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Riviere du Rempart ¹	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Borstal ¹	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Pte aux Sables	1.30	1.31	1.32	1.33	1.33	1.34	1.34	1.34
St. Martin	8.10	8.10	8.12	8.14	8.16	8.18	8.20	8.20
Kennedy ²	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Robinson	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Vuillemin ¹	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Flacq ¹	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Dubreuil ³	0.10	0.10	0.10	0.13	0.13	0.13	0.13	0.13

Source : Wastewater Management Authority

¹ Serves CHA houses

² Serves CHA houses and V. Hospital

³ CHA + NHDC houses

Table 4.17 - Water quality in coastal area - (Terre Rouge Rivulet Bird Sanctuary), 1997 - 2002

Variable	Unit	1997	1998	1999	2000	2001	2002
Chemical Oxygen Demand (COD)	mg O ₂ /l	2.8	1.4	1.5	1.3	1.0	0.4
Total Phosphorus ¹	mg P/l	0.25	0.16	0.19	0.14	0.12	0.08
Total Nitrogen ²	mg N/l	0.3	0.1	0.2	0.1	0.1	0

Source : Albion Fisheries Research Centre, Ministry of Fisheries

¹ Data given are for the variable Phosphate

² Data given are for the variable Nitrate-nitrogen

Note : All values below detection limit are taken as zero.

Table 4.18 - Number of cases of certain notifiable waterborne diseases reported to sanitary authorities, 1993 - 2002

Year	Disease	Amoebiasis	Food Poisoning	Infective Hepatitis	Leptospirosis	Malaria		Schistosomiasis	Typhoid Fever
						Indigenous	Imported		
1993		105	57	1800	4	5	49	5	8
1994		58	39	453	6	-	66	15	4
1995		2	57	38	4	-	45	-	2
1996		5	13	24	9	19	63	5	5
1997		-	35	10	4	1	63	2	1
1998		-	28	16	7	-	52	-	6
1999		1	73	24	1	-	73	-	2
2000		1	62	12	3	-	62	-	10
2001		8	23	41	3	-	62	-	1
2002		-	33	11	1	-	38	-	1

Source : Statistics Unit, Ministry of Health and Quality of Life

Table 4.19 - Enteritis and other diarrhoeal diseases, 1993 - 2002

YEAR	Cases treated as in-patients in government hospitals					Deaths in whole island				
	Under one Year	1 - 4 Years	5 - 14 Years	15 Years and over	Total	Under one Year	1 - 4 Years	5 - 14 Years	15 Years and over	Total
1993	776	1,094	475	1,978	4,323	7	5	3	25	40
1994	721	1,111	449	2,238	4,519	8	2	-	15	25
1995	881	1,585	606	2,353	5,425	13	2	8	19	42
1996	760	1,506	583	2,514	5,363	11	3	1	9	24
1997	440	815	433	1,856	3,544	2	-	2	20	24
1998	751	1,366	557	2,061	4,735	5	-	-	8	13
1999	1,012	2,007	751	2,584	6,354	3	1	-	7	11
2000	961	1,872	666	3,167	6,666	3	2	-	13	18
2001	616	880	483	2,517	4,496	3	2	-	9	14
2002	862	1,652	603	2,777	5,894	3	2	-	6	11

Source : Statistics Unit, Ministry of Health and Quality of Life

Table 4.20 - Sea transport¹, 1993 - 2002

Period	Vessels entering		Vessels leaving		Goods	
	Number	Net registered tonnage (000t)	Number	Net registered tonnage (000t)	Unloaded (000t)	Loaded ² (000t)
1993	1,151	5,271	1,129	5,219	2,375	830
1994	1,279	5,500	1,275	5,550	2,419	834
1995	1,206	5,356	1,227	5,313	2,463	799
1996	1,300	4,999	1,284	5,140	2,753	966
1997	1,481	5,485	1,436	5,263	2,902	950
1998	1,782	5,925	1,810	5,924	3,129	1,033
1999	1,665	6,725	1,676	6,129	3,355	1,198
2000	1,658	6,387	1,633	6,087	3,677	1,514
2001	1,643	7,026	1,782	6,482	4,362	1,365
2002	1,664	8,595	1,612	7,871	3,961	947

¹ exclude fishing vessels berthed in Port Louis only.

² exclude bunkers.

Table 4.21 - Contraventions established by the National Coast Guard, 2002

Month	Illegal removal of sand	Illegal fishing activities	Beach Offences	Illegal Pleasure Craft Activities	Miscellaneous	Total
January	-	2	13	76	31	122
February	-	8	25	114	43	190
March	-	8	18	55	10	91
April	-	8	9	36	23	76
May	-	12	11	89	23	135
June	-	-	6	46	39	91
July	-	4	5	41	24	74
August	1	-	9	37	21	68
September	-	1	18	32	22	73
October	-	4	11	51	21	87
November	-	6	13	57	17	93
December	-	9	10	51	10	80
Total	1	62	148	685	284	1,180

Source: Annual report of the National Coast Guard, 2002

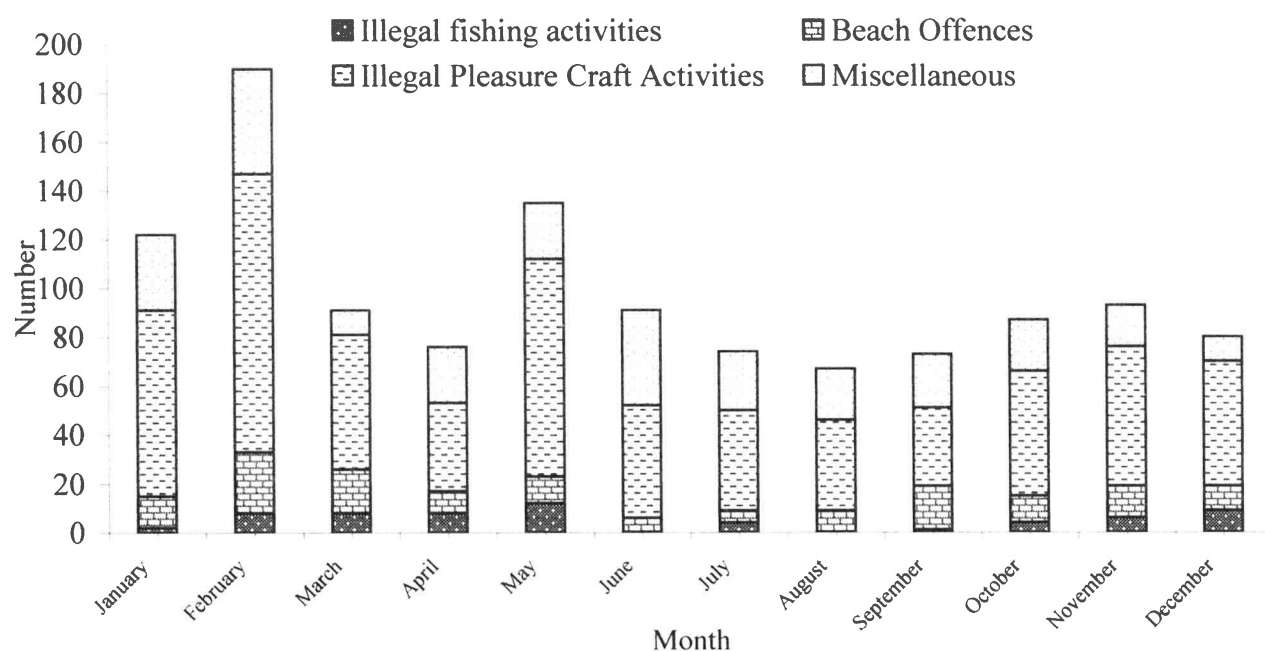
Fig. 16 - Contraventions established by the National Coast Guard, 2002

Table 4.22 - Mean sea surface temperature around the Island of Mauritius, 1993 - 2002

	Degrees celcius												Average for the year
	January	February	March	April	May	June	July	August	September	October	November	December	
1993 Mean	27.5	28.2	26.7	25.6	24.8	24.6	22.7	22.4	21.3	22.0	23.5	25.2	24.5
Difference from Normal	0.7	1.0	-0.4	-0.7	-0.4	0.6	-0.4	-0.2	-1.3	-1.2	-0.9	-0.6	
1994 Mean	25.8	26.8	26.8	25.7	25.7	23.9	22.5	22.4	23.2	23.5	24.9	26.1	24.8
Difference from Normal	-1.0	-0.4	-0.3	-0.6	0.5	-0.1	-0.6	-0.2	0.6	0.3	0.5	0.3	
1995 Mean	26.0	28.3	25.7	27.2	25.0	23.2	24.2	21.5	23.3	23.0	24.7	25.4	24.8
Difference from Normal	-0.8	1.1	-1.4	0.9	-0.2	-0.8	1.1	-1.1	0.7	-0.2	0.3	-0.4	
1996 Mean	26.6	26.7	27.0	26.5	25.0	23.9	22.8	22.4	22.5	23.0	23.4	25.5	24.6
Difference from Normal	-0.2	-0.5	-0.1	0.2	-0.2	-0.1	-0.3	-0.2	-0.1	-0.2	-1.0	-0.3	
1997 Mean	25.8	26.9	27.7	26.4	25.0	24.3	22.8	23.7	23.6	23.2	23.9	26.3	25.0
Difference from Normal	-1.0	-0.3	0.6	0.1	-0.2	0.3	-0.3	1.1	1.0	0.0	-0.5	0.5	
1998 Mean	26.7	27.6	26.1	26.1	25.4	23.6	23.1	22.4	22.4	23.5	23.8	26.1	24.7
Difference from Normal	-0.1	0.4	-1.0	-0.2	0.2	-0.4	0.0	-0.2	-0.2	0.3	-0.6	0.3	
1999 Mean	25.4	26.6	26.5	25.5	25.8	24.3	23.0	22.8	22.3	23.0	24.5	25.4	24.6
Difference from Normal	-1.4	-0.6	-0.6	-0.8	0.6	0.3	-0.1	0.2	-0.3	-0.2	0.1	-0.4	
2000 Mean	26.3	26.6	26.7	26.0	24.8	24.2	22.9	22.4	22.6	23.2	23.9	24.8	24.5
Difference from Normal	-0.5	-0.6	-0.4	-0.3	-0.4	0.2	-0.2	-0.2	0.0	0.0	-0.5	-1.0	
2001 Mean	25.5	27.3	26.6	26.6	25.3	23.7	23.5	22.7	22.5	23.2	24.2	25.9	24.8
Difference from Normal	-1.3	0.1	-0.5	0.3	0.1	-0.3	0.4	0.1	-0.1	0.0	-0.2	0.1	
2002 Mean	26.3	27.6	28.1	26.3	26.2	24.2	23.9	22.6	24.0	24.7	25.1	27.2	25.5
Difference from Normal	-0.5	0.4	1.0	0.0	1.0	0.2	0.8	0.0	1.4	1.5	0.7	1.4	
Mean 1971 -2000	26.8	27.2	27.1	26.3	25.2	24.0	23.1	22.6	22.6	23.2	24.4	25.8	

Source : Meteorological Services

Table 4.23 - Percentage distribution of households by type of water supply and other amenities available, Republic of Mauritius, 1990 and 2000 Housing Censuses.

Amenity available	Housing Censuses	
	1990 (%)	2000 (%)
1. Water supply		
(i) Piped water inside house	56.0	83.7
(ii) Piped water outside on premises	33.5	14.5
(iii) Public fountain, well, rivers , etc.	10.5	1.8
2. Availability of water tank / Reservoir	...	36.4
3. Bathroom		
(i) With running water	63.6	89.0
(ii) Without running water	30.9	10.0
(iii) None	5.5	1.0
4. Toilet		
(i) Flush toilet	62.8	88.8
(ii) Pit latrine	36.5	11.0
(iii) Other	0.7	0.2

CHAPTER 5

LAND

Table 5.1 - Land use by category, 1986 and 1995

	1986 ¹		1995 ²		Change %
	Hectares	%	Hectares	%	
Agriculture	90,000	48.2	86,500	46.4	-1.8
Sugarcane	83,625	44.8	76,840	41.2	-3.6
Other agricultural activities	6,375	3.4	9,660	5.2	+1.8
Forests, scrubs & grazing lands	65,400	35.1	57,000	30.6	-4.5
Reservoirs, ponds, swamps & rocks	2,610	1.4	2,600	1.4	0.0
Road and footpaths	3,465	1.9	4,000	2.1	+0.2
Built-up areas	25,000	13.4	36,400	19.5	+6.1
Total	186,475	100.0	186,500	100.0	

¹ Source : Digest of Agricultural Statistics

² Source : Initial National Communication under the United Nations Framework Convention on Climate Change, April 1999

Note: The difference in total area between 1986 and 1995 is due to rounding

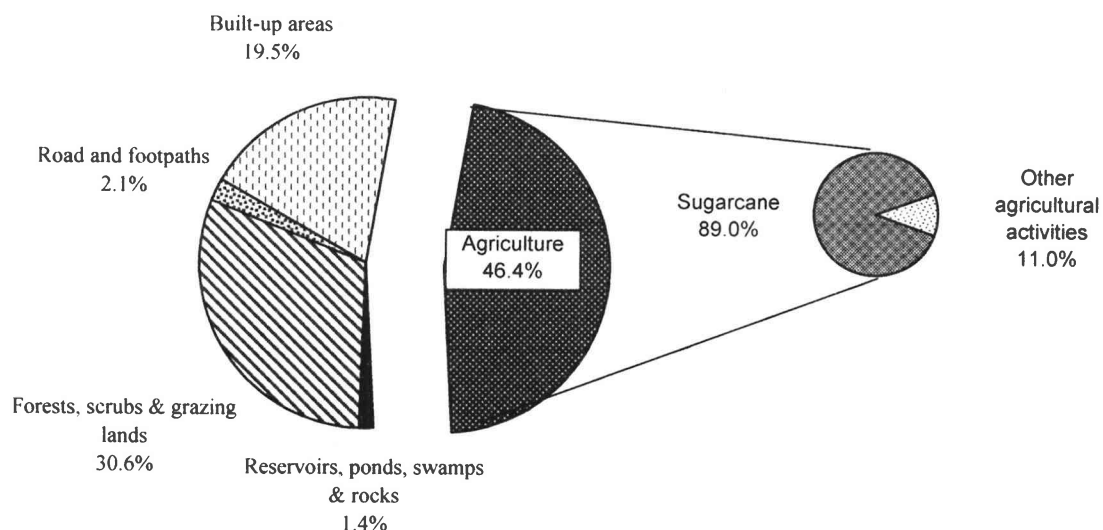
Fig.17 - Land use by category, 1995

Table 5.2 - Utilisation of agricultural land area, 1995, 2000 - 2002

Hectares

Detail	1995		2000		2001		2002	
	Area	%	Area	%	Area	%	Area	%
Sugarcane	76,840	91	76,962	93	76,478	93	75,501	93
Tea	2,077	2	670	1	660	1	680	1
Tobacco	673	1	397	0	383	0	340	0
Foodcrops ¹	5,000	6	4,860	6	5,140	6	5,090	6
Total	84,590	100	82,889	100	82,661	100	81,611	100

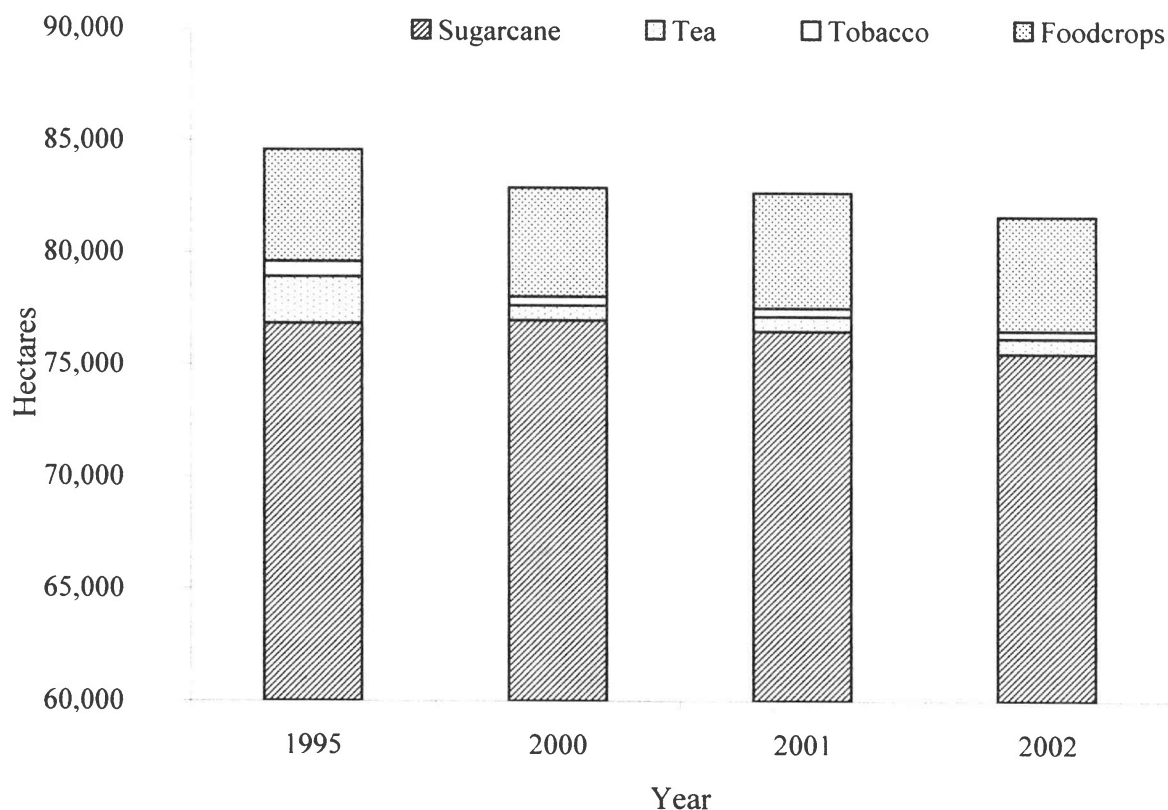
¹ Estimates**Fig. 18 - Utilisation of agricultural land area, 1995, 2000 - 2002**

Table 5.3 - Road network, 1996 - 2002

Year	Length of roads (km)				% of roads paved	Density of total network in km per sq km ¹	Number of vehicles per km of road
	Motorways	Main roads	Secondary roads	Other roads				Total
1996	31	902	582	390	95	1.02	105
1997	31	902	582	390	95	1.02	111
1998	36	902	582	390	96	1.02	114
1999	36	902	582	390	96	1.02	122
2000	44	910	582	390	97	1.03	127
2001	60	950	592	398	98	1.07	128
2002	60	950	592	398	98	1.07	133

¹ density of total network in km per sq km is the ratio of the total number of km of roads to the area of Mauritius (1 865 sq km)

Table 5.4 - Number of accidents by severity of accident, 1993 - 2002

Year	Severity of accident				
	Fatal	Serious	Slight	No injury	Total
1993	130	226	2,819	11,477	14,652
1994	142	263	2,647	12,675	15,727
1995	141	198	2,515	11,829	14,683
1996	138	176	2,469	12,062	14,845
1997	132	184	2,563	13,075	15,954
1998	152	229	2,557	15,117	18,055
1999	154	196	2,241	15,286	17,877
2000	148	191	2,081	15,858	18,278
2001	112	218	2,147	16,040	18,517
2002	144	162	1,852	15,864	18,022

Table 5.5 - Imports of fertilizers and pesticides, 1993 - 2002

Commodities	Tonnes									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Fertilizers	64,152	52,990	47,926	57,055	51,740	43,160	42,788	56,617	68,966	43,877
Pesticides	1,370	1,447	1,604	1,448	1,715	1,552	1,522	1,549	1,824	1,947
<i>Insecticides</i>	344	353	595	340	620	428	530	439	605	743
<i>Fungicides</i>	117	163	124	109	111	175	120	163	177	199
<i>Weedkillers</i>	909	931	885	999	984	949	872	947	1,042	1,005

Fig. 19 - Imports of fertilizers and pesticides, 1993 - 2002

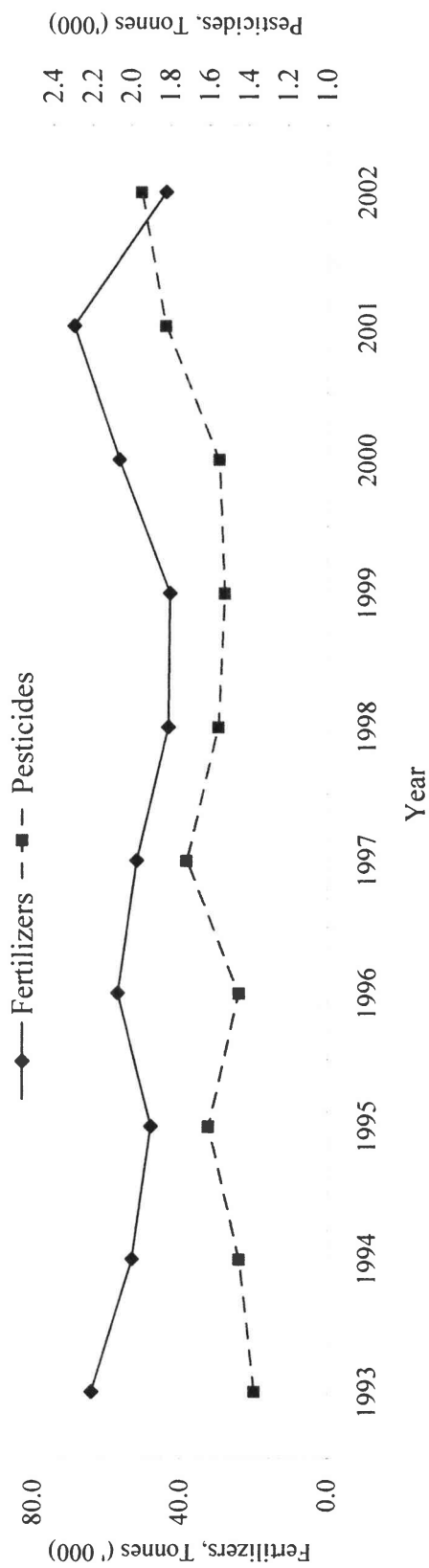


Table 5.6 - Consumption of fertilisers, 1993 - 2002

		1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Product weight		66,430	64,282	70,900	70,092	73,740	69,486	62,721	67,044	65,527	64,739
Nutrients Content	Nitrogen	11,605	11,073	11,800	11,634	12,294	11,681	10,941	11,550	11,428	11,028
	Phosphate	3,784	3,889	4,625	4,506	4,644	4,342	3,684	3,940	4,059	4,011
	Potash	12,290	11,910	14,208	14,550	15,326	14,444	11,351	13,464	12,911	13,296

Tonnes

Fig. 20 - Consumption of fertilisers (Nutrients) , 1993 - 2002

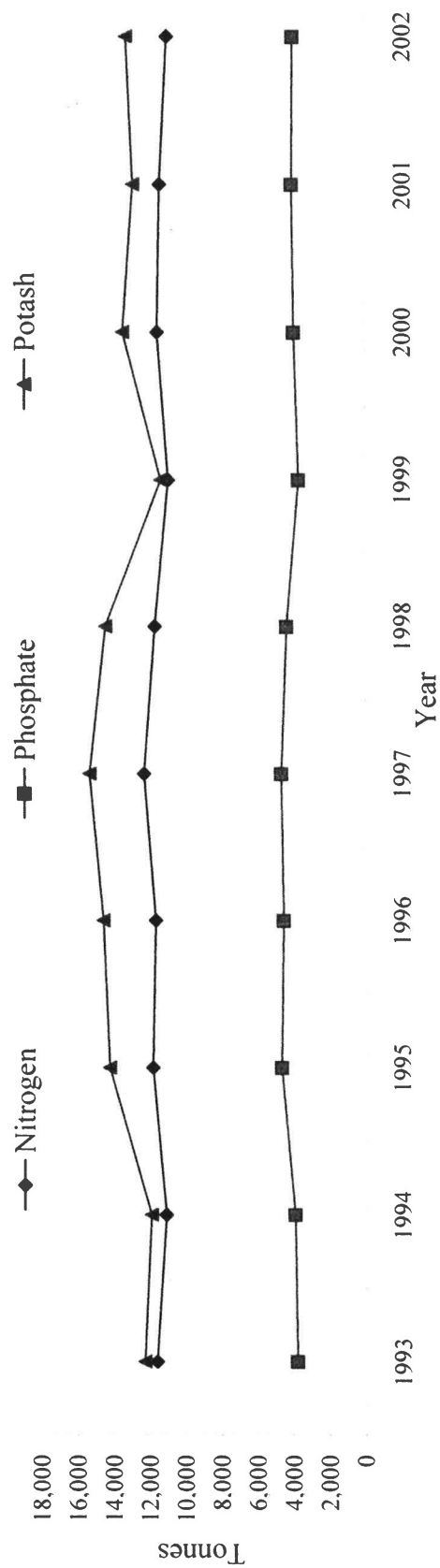


Table 5.7 - Land under irrigation, 1996 - 2002

Hectares				
Region	Overhead	Surface	Drip	Total
Total 1996	13,235	4,226	831	18,292
Total 1997	13,232	4,226	831	18,289
Total 1998	14,520	2,654	1,205	18,379
Total 1999	15,455	2,066	1,355	18,876
Total 2000	15,951	2,020	1,535	19,506
Total 2001	17,119	2,723	1,789	21,631
Total 2002	17,028	2,372	1,822	21,222
North	4,949	760	962	6,671
East	3,015	-	158	3,173
Centre	692	85	-	777
West	3,679	1,506	173	5,358
South	4,693	21	529	5,243

Table 5.8 - Number of permits¹ and floor area by region, 1997 - 2002

Region	1997		1998		1999		2000		2001		2002	
	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)
Urban areas	4,071	670,586	4,516	716,200	4,437	731,000	3,856	592,242	3,903	646,162	3,689	651,242
Port Louis	951	228,895	1,166	257,966	1,054	201,954	1,007	187,745	1,047	177,713	1,003	185,002
Beau Bassin - Rose Hill	676	114,942	644	102,005	679	104,505	580	98,719	649	138,961	525	93,308
Curepipe	879	107,420	869	108,446	741	123,845	654	98,462	704	88,341	632	84,741
Quatre Bornes	604	102,690	669	109,713	553	111,533	593	82,712	540	118,062	534	163,938
Vacoas - Phoenix	961	116,639	1,168	138,070	1,410	189,163	1,022	124,604	963	123,085	995	124,253
Rural Areas	3,537	545,933	4,255	763,704	4,380	815,349	5,011	918,231	5,592	858,387	5,365	891,358
Pamplemousses	683	118,632	878	168,548	897	159,535	929	202,799	1,112	183,808	931	173,086
Riviere du Rempart	510	96,397	681	154,012	737	148,879	753	136,085	948	158,955	799	135,612
Flacq	547	85,039	713	107,961	832	156,183	974	142,954	1,007	136,789	1,131	154,765
Grand Port	420	49,410	550	71,710	661	94,833	698	80,298	776	91,247	710	100,197
Savanne	249	32,716	374	50,044	327	45,003	422	55,826	528	71,154	531	66,563
Plaines Wilhems	36	5,313	47	7,999	20	2,636	52	8,649	48	6,808	53	7,405
Moka	422	57,894	448	68,417	412	65,887	585	88,042	543	79,771	567	120,466
Black River	670	100,532	564	135,013	494	142,393	598	203,578	630	129,855	643	133,264
Total	7,608	1,216,519	8,771	1,479,904	8,817	1,546,349	8,867	1,510,473	9,495	1,504,549	9,054	1,542,600

¹ includes new buildings and additions for which permits have been issued by Municipalities and Ministry of Public Infrastructure and Land Transport.

Table 5.9 - Number of permits¹ and floor area by type of building, 1997 - 2002

Type of building	1997		1998		1999		2000		2001		2002	
	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)
Residential	7,097	996,609	8,302	1,204,125	8,280	1,243,771	8,331	1,170,023	8,999	1,256,946	8,671	1,222,347
New buildings	4,011	714,055	4,667	839,006	4,657	864,710	4,538	784,627	4,459	794,586	4,167	758,397
Additions	3,086	282,554	3,635	365,119	3,623	379,061	3,793	385,396	4,540	462,360	4,504	463,950
Non residential	511	219,910	469	275,779	537	302,578	536	340,450	496	247,603	383	320,253
Agriculture, forestry, hunting and fishing	17	5,914	20	11,205	21	13,618	14	6,862	15	7,000	11	3,979
Manufacturing	57	51,378	57	92,393	47	42,697	44	38,573	52	42,351	48	69,546
Electricity and water	-	-	1	4,128	1	308	2	833	1	2,207	-	-
Construction	1	312	-	-	1	679	1	68	3	3,607	2	2,204
Wholesale and retail trade, restaurant and hotels	335	75,834	310	113,337	392	186,217	382	218,471	338	146,780	251	151,525
Transport, storage & communication	8	2,502	4	474	2	736	7	3,320	3	725	4	659
Banking, insurance and real estate	20	18,992	15	21,347	20	40,590	24	33,774	7	3,547	6	57,444
Community, social & personal services	73	64,978	62	32,895	53	17,733	62	38,549	77	41,386	61	34,896
Total	7,608	1,216,519	8,771	1,479,904	8,817	1,546,349	8,867	1,510,473	9,495	1,504,549	9,054	1,542,600

¹ includes new buildings and additions for which permits have been issued by Municipalities and Ministry of Public Infrastructure and Land Transport.

Table 5.10 - Number of permits¹ and floor area by region for residential building, 1997 - 2002

Region	1997		1998		1999		2000		2001		2002	
	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)
Urban areas	3,843	520,251	4,316	576,409	4,187	596,995	3,664	488,607	3,701	508,794	3,544	476,092
Port Louis	847	112,604	1,083	152,783	964	142,448	940	138,375	984	135,799	947	137,761
Beau Bassin - Rose Hill	642	107,112	617	93,651	630	93,960	552	86,613	592	103,452	496	81,820
Curepipe	839	95,464	834	97,213	709	103,999	626	79,876	676	82,357	606	71,639
Quatre Bornes	581	92,363	648	103,023	535	104,120	558	72,276	521	80,338	520	69,644
Vacoas - Phoenix	934	112,708	1,134	129,739	1,349	152,468	988	111,467	928	106,848	975	115,228
Rural Areas	3,254	476,358	3,986	627,716	4,093	646,776	4,667	681,416	5,298	748,152	5,127	746,255
Pamplemousses	627	106,897	826	137,759	835	139,268	840	134,501	1,034	154,912	877	128,203
Riviere du Rempart	458	81,192	645	115,158	685	113,983	704	110,190	923	147,841	773	121,285
Flacq	494	71,044	676	95,666	771	112,410	917	123,023	951	122,660	1,079	134,717
Grand Port	387	46,039	504	59,108	630	83,431	672	76,034	741	82,595	688	81,850
Savanne	223	29,183	349	44,190	303	41,307	399	47,299	504	60,707	519	63,810
Plaines Wilhems	34	5,063	41	5,607	19	2,623	43	7,082	44	5,671	52	7,361
Moka	397	52,070	427	61,351	383	57,229	550	75,181	507	68,560	531	101,685
Black River	634	84,870	518	108,877	467	96,525	542	108,106	594	105,206	608	107,344
Total	7,097	996,609	8,302	1,204,125	8,280	1,243,771	8,331	1,170,023	8,999	1,256,946	8,671	1,222,347

¹ includes new buildings and additions for which permits have been issued by Municipalities and Ministry of Public Infrastructure and Land Transport.

Table 5.11 - Number of permits¹ and floor area by region for non - residential building, 1997 - 2002

Region	1997		1998		1999		2000		2001		2002	
	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)	No of permits issued	Floor area (m ²)
Urban areas	228	150,335	200	139,791	250	134,005	192	103,635	202	137,368	145	175,150
Port Louis	104	116,291	83	105,183	90	59,506	67	49,370	63	41,914	56	47,241
Beau Bassin - Rose Hill	34	7,830	27	8,354	49	10,545	28	12,106	57	35,509	29	11,488
Curepipe	40	11,956	35	11,233	32	19,846	28	18,586	28	5,984	26	13,102
Quatre Bornes	23	10,327	21	6,690	18	7,413	35	10,436	19	37,724	14	94,294
Vacoas - Phoenix	27	3,931	34	8,331	61	36,695	34	13,137	35	16,237	20	9,025
Rural Areas	283	69,575	269	135,988	287	168,573	344	236,815	294	110,235	238	145,103
Pamplemousses	56	11,735	52	30,789	62	20,267	89	68,298	78	28,896	54	44,883
Riviere du Rempart	52	15,205	36	38,854	52	34,896	49	25,895	25	11,114	26	14,327
Flacq	53	13,995	37	12,295	61	43,773	57	19,931	56	14,129	52	20,048
Grand Port	33	3,371	46	12,602	31	11,402	26	4,264	35	8,652	22	18,347
Savanne	26	3,533	25	5,854	24	3,696	23	8,527	24	10,447	12	2,753
Plaines Wilhems	2	250	6	2,392	1	13	9	1,567	4	1,137	1	44
Moka	25	5,824	21	7,066	29	8,658	35	12,861	36	11,211	36	18,781
Black River	36	15,662	46	26,136	27	45,868	56	95,472	36	24,649	35	25,920
Total	511	219,910	469	275,779	537	302,578	536	340,450	496	247,603	383	320,253

¹ includes new buildings and additions for which permits have been issued by Municipalities and Ministry of Public Infrastructure and Land Transport.

**Table 5.12 - Solid waste input by type at Mare Chicose landfill site,
1999 - 2002**

Waste type	Tonnes			
	1999	2000	2001	2002
Commercial	49	505	1,387	1,843
Construction	14,398	6,839	3,709	6,404
Domestic	161,254	251,249	292,880	325,006
Industrial (inc. textile)	4,566	5,861	4,269	6,429
Tuna	...	...	125	48
Poultry	373	671	3,152	3,615
Rubber tyres	58	228	135	240
Asbestos	19	...	33	34
Condemned goods	43	464	1,002	1,626
Post Cyclone Dina Wastes	...	...	...	18,669
Difficult and hazardous	28	...	...	...
TOTAL	180,788	265,815	306,691	363,913

Source: Ministry of Local Government and Rodrigues

Table 5.13 - Monthly solid waste input by type at Mare Chicose landfill site, Jan - Dec 2002

Waste type	Tonnes												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Domestic	27,058	26,674	28,462	24,851	28,400	24,298	26,627	26,194	24,437	27,334	27,917	32,754	325,006
Textile	2,527	306	290	381	435	385	440	373	324	380	319	271	6,429
Poultry	274	290	362	362	253	293	344	292	283	319	297	247	3,615
Tuna	11	-	8	6	9	-	14	-	-	-	-	-	48
Rubber tyres	3	16	32	61	18	5	6	3	29	51	9	7	240
Commercial	128	152	145	317	191	92	133	177	143	99	144	123	1,843
Construction waste	34	247	298	364	357	298	520	477	656	1,443	990	720	6,404
Asbestos	-	-	-	22	6	-	-	6	-	-	-	-	34
Condemned goods	89	217	197	122	92	94	307	72	65	87	128	154	1,626
Post Cyclone Dina Wastes	-	5,051	10,423	1,333	-	-	-	-	-	407	1,421	34	18,669
Total	30,124	32,955	40,216	27,819	29,760	25,465	28,390	27,593	25,936	30,120	31,224	34,311	363,913

Source: Ministry of Local Government and Rodrigues

Table 5.14 - No. of EIA licenses granted by type of project, 1993 - 2002

Project	1993 / 1994	1995	1996	1997	1998	1999	2000	2001	2002
Land parcelling (morcellement)	22	40	28	21	13	17	31	74	19
Poultry rearing	27	24	22	20	17	35	26	13	15
Industrial development	9	10	7	11	17	6	7	1	5
Coastal hotels & related works	3	6	7	7	13	13	11	9	10
Livestock rearing	3	3	3	7	3	11	4	-	-
Housing	4	5	2	6	6	7	4	4	4
Stone crushing plants	1	3		3	1	3	3	-	-
Development in port area	1	4	3	3	3	2	2	2	-
Service station ("filling" station)	2	7	2	1	2	2	2	-	-
Other	2	3	4	3	3	2	2	7	9
Total	74	105	78	82	78	98	92	110	62

Source : Ministry of Environment and National Development Unit.

Table 5.15 - Number of establishments¹ by industrial group, Republic of Mauritius, 1999 - 2002

Industrial group	Number of establishments			
	1999	2000	2001	2002
Agriculture, forestry and fishing	<u>284</u>	<u>304</u>	<u>272</u>	<u>250</u>
Sugarcane	<i>179</i>	<i>180</i>	<i>154</i>	<i>145</i>
Tea	<i>7</i>	<i>7</i>	<i>10</i>	<i>8</i>
Tobacco	<i>38</i>	<i>55</i>	<i>52</i>	<i>41</i>
Other agriculture	<i>60</i>	<i>62</i>	<i>56</i>	<i>56</i>
Mining and quarrying	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>
Manufacturing	<u>930</u>	<u>942</u>	<u>924</u>	<u>915</u>
Food	<i>111</i>	<i>112</i>	<i>110</i>	<i>108</i>
Beverage and tobacco	<i>17</i>	<i>17</i>	<i>18</i>	<i>16</i>
Textile and wearing apparel (except footwear)	<i>420</i>	<i>420</i>	<i>403</i>	<i>387</i>
Other manufacturing	<i>382</i>	<i>393</i>	<i>393</i>	<i>404</i>
Electricity, gas and water	<u>5</u>	<u>4</u>	<u>4</u>	<u>6</u>
Construction	<u>89</u>	<u>90</u>	<u>87</u>	<u>87</u>
Wholesale and retail trade, repair of m/vehicles, motorcycle, personal & household goods	<u>355</u>	<u>349</u>	<u>348</u>	<u>353</u>
Wholesale and retail trade	<i>312</i>	<i>307</i>	<i>309</i>	<i>313</i>
Maintenance and repair of motor vehicles and motorcycles	<i>16</i>	<i>15</i>	<i>14</i>	<i>14</i>
Sales of motor vehicles, motorcycles and related parts; automotive fuel	<i>27</i>	<i>27</i>	<i>25</i>	<i>26</i>
Hotels and restaurants	<u>130</u>	<u>128</u>	<u>129</u>	<u>132</u>
Transport , storage and communication	<u>99</u>	<u>100</u>	<u>100</u>	<u>98</u>
Financial intermediation	<u>67</u>	<u>68</u>	<u>69</u>	<u>68</u>
Real estate, renting and business activities	<u>135</u>	<u>138</u>	<u>139</u>	<u>148</u>
Public administration & defence; compulsory social security	<u>129</u>	<u>130</u>	<u>132</u>	<u>133</u>
Education	<u>160</u>	<u>152</u>	<u>150</u>	<u>149</u>
Health and social work	<u>42</u>	<u>44</u>	<u>45</u>	<u>44</u>
Other community, social and personal services	<u>78</u>	<u>79</u>	<u>83</u>	<u>86</u>
Total	2,509	2,534	2,488	2,475

¹ Only large establishments have been considered, i.e those engaging 10 or more persons.

CHAPTER 6

HUMAN SETTLEMENTS

Table 6.1 - Main socio-economic indicators, Republic of Mauritius, 1993 and 2002

Indicator	Units	1993	2002
1. Gross Domestic Product (GDP) at market prices ¹	Rs mn	57,637	142,096
2. Sectoral contribution to GDP ¹			
<i>Agriculture</i>	%	10.6	6.3
<i>Mining and quarrying</i>	%	0.2	0.1
<i>Manufacturing</i>	%	23.3	22.8
<i>Construction</i>	%	7.0	5.8
<i>Electricity, gas and water</i>	%	2.4	2.4
<i>Wholesale and retail trade</i>	%	13.3	11.8
<i>Hotels and restaurants</i>	%	4.3	6.0
<i>Transport and communications</i>	%	11.2	13.6
<i>Financial intermediation and business services</i>	%	14.1	18.9
<i>Other</i> ²	%	13.6	12.3
3. GDP annual growth rate (basic prices) ¹	%	+4.9	+2.2
4. Per capita GDP at market prices ¹	Rs	52,514	117,388
5. Per capita GDP in US dollars ¹	US\$	2,967	3,918
6. Investment (GDFCF) ¹	Rs mn	16,101	31,369
7. Exports (f.o.b) (include re-exports)	Rs mn	23,522	53,893
8. Imports (c.i.f)	Rs mn	30,319	64,608
9. Population (end of year)	000	1,105.6	1,216.5
10. Population annual growth rate	%	1.2	0.9
11. Population density (per km ²)	Number	562	618
12. Total labour force	000	463.9	540.9
13. Total employment	000	445.9	490.1
<i>Agriculture (as a % of total)</i>	%	14.0 ³	9.6
<i>Manufacturing (as a % of total)</i>	%	30.0 ³	28.5
14. Unemployment rate	%	3.9	9.7
15. Inflation rate	%	10.5	6.4
16. Tourist arrivals	000	374.6	681.6
17. Primary energy requirement	ktoe	822.0	1,168.8
18. Energy intensity	toe per Rs 100,000 GDP	2.09	1.62

¹ Revised estimates² Includes public administration, education, health and financial intermediation services indirectly measured (FISIM)³ Includes employees of Government Ministries/Departments

Table 6.2 - Evolution of the population by urban¹ /rural residence and sex between the 1990 and 2000 censuses

Urban\Rural Residence	1990 census ²			2000 census ²			Intercensal increase	
	Both sexes	Male	Female	Both sexes	Male	Female	Number	Annual average (%)
Island of Mauritius	1,022,456	510,676	511,780	1,143,069	566,056	577,013	120,613	1.12
Urban population	414,242	206,104	208,138	503,045	247,844	255,201	88,803	1.96
Port Louis	132,460	65,873	66,587	144,303	71,720	72,583	11,843	0.86
Beau Bassin/Rose Hill	91,518	45,497	46,021	103,872	50,730	53,142	12,354	1.27
Quatre Bornes	68,398	33,875	34,523	75,884	37,306	38,578	7,486	1.04
Vacoas/Phoenix	56,452	28,235	28,217	100,066	49,452	50,614	43,614	5.89
Curepipe	65,414	32,624	32,790	78,920	38,636	40,284	13,506	1.89
Rural population	608,214	304,572	303,642	640,024	318,212	321,812	31,810	0.51

¹ Urban population refers to the population in the five Municipal Council Areas defined according to proclaimed boundaries, altered in 1963

(Proclamation No 12 and 13) and subsequently enlarged in 1965 (Proclamation No 23) 1967 (Proclamation No 2) and in 1990 (Proclamation No 8)

² Unadjusted " de jure " population

Table 6.3 - Evolution of the population by geographical district and sex between the 1990 and 2000 censuses

Geographical district	1990 census ¹			2000 census ¹			Intercensal increase	
	Both sexes	Male	Female	Both sexes	Male	Female	Number	Annual average (%)
Port Louis	133,073	66,179	66,894	127,855	63,458	64,397	-5,218	-0.40
Pamplemousses	101,666	51,212	50,454	122,252	60,533	61,719	20,586	1.86
Riviere du Rempart	86,779	43,362	43,417	98,854	49,116	49,738	12,075	1.31
Flacq	112,773	56,452	56,321	126,839	63,549	63,290	14,066	1.18
Grand Port	96,667	48,425	48,242	106,665	53,011	53,654	9,998	0.99
Savanne	60,841	30,444	30,397	66,356	32,787	33,569	5,515	0.87
Plaine Wilhems	321,713	160,252	161,461	358,182	175,852	182,330	36,469	1.08
Moka	65,176	32,378	32,798	75,479	37,275	38,204	10,303	1.48
Black River	43,768	21,972	21,796	60,587	30,475	30,112	16,819	3.31
Island of Mauritius	1,022,456	510,676	511,780	1,143,069	566,056	577,013	120,613	1.12

¹ "de jure" population; not adjusted for under enumeration of young children

Table 6.4 - Age distribution of the population¹ as enumerated at the 1990 and 2000 censuses

Age group (Years)	1990				2000			
	Male	Female	Both sexes		Male	Female	Both sexes	
			Number	%			Number	%
0	10,088	9,908	19,996	2.0	9,163	8,965	18,128	1.6
1 - 4	36,743	36,039	72,782	7.1	36,697	35,910	72,607	6.3
5 - 9	50,011	48,443	98,454	9.6	51,229	50,271	101,500	8.9
10 - 14	54,708	53,684	108,392	10.6	47,438	46,410	93,848	8.2
15 - 19	47,231	45,982	93,213	9.1	49,447	48,126	97,573	8.5
20 - 24	50,784	48,694	99,478	9.7	53,325	53,993	107,318	9.4
25 - 29	52,451	50,576	103,027	10.1	45,390	45,656	91,046	8.0
30 - 34	46,603	44,800	91,403	8.9	48,739	48,307	97,046	8.5
35 - 39	40,437	39,142	79,579	7.8	50,503	49,151	99,654	8.7
40 - 44	29,457	29,689	59,146	5.8	44,739	43,568	88,307	7.7
45 - 49	21,219	22,102	43,321	4.2	38,340	38,069	76,409	6.7
50 - 54	17,892	18,974	36,866	3.6	27,168	28,556	55,724	4.9
55 - 59	15,219	16,016	31,235	3.1	18,623	20,647	39,270	3.4
60 - 64	14,426	15,747	30,173	3.0	14,808	17,248	32,056	2.8
65 - 69	11,062	12,698	23,760	2.3	11,404	13,602	25,006	2.2
70 - 74	6,307	8,040	14,347	1.4	9,267	11,954	21,221	1.9
75 - 79	3,815	5,924	9,739	1.0	5,905	8,681	14,586	1.3
80 - 84	1,514	3,110	4,624	0.4	2,506	4,416	6,922	0.6
85 +	680	2,172	2,852	0.3	1,324	3,410	4,734	0.4
Age unknown	29	40	69	0.0	41	73	114	0.0
All ages	510,676	511,780	1,022,456	100.0	566,056	577,013	1,143,069	100.0

¹ 'de jure' population; not adjusted for under enumeration of young children

Table 6.5 - Population growth in intercensal periods, Republic of Mauritius¹ 1851 - 2000

Census date	Republic of Mauritius			Island of Mauritius			Island of Rodrigues		
	Population enumerated at census	Density per km ²	Average annual rate of increase(%)	Population enumerated at census	Density per km ²	Average annual rate of increase(%)	Population enumerated at census	Density per km ²	Average annual rate of increase(%)
20th November 1851	181,318	92	...	180,823	97	2.55	495	5	...
8th April 1861	310,743	158	5.91	310,050	166	5.91	693	7	3.65
11th April 1871	317,150	161	0.20	316,042	169	0.19	1,108	11	4.80
4th April 1881	361,305	184	1.31	359,874	193	1.31	1,431	14	2.59
6th March 1891	372,656	189	0.31	370,588	199	0.29	2,068	20	3.75
1st April 1901	374,185	190	0.04	371,023	199	0.01	3,162	30	4.34
31st March 1911	373,620	190	-0.02	368,791	198	-0.06	4,829	46	4.33
21st May 1921	383,069	195	0.25	376,485	202	0.21	6,584	63	3.15
26th April 1931	401,440	204	0.47	393,238	211	0.44	8,202	79	2.22
11th June 1944	431,070	219	0.55	419,185	225	0.49	11,885	114	2.89
30th June 1952	514,748	261	2.24	501,415	269	2.26	13,333	128	1.45
30th June 1962 ²	699,954	356	3.12	681,619	366	3.12	18,335	176	3.24
30th June 1972 ²	850,968	432	1.97	826,199	443	1.94	24,769	238	3.05
2nd July 1983 ²	999,945	508	1.48	966,863	518	1.44	33,082	318	2.67
1st July 1990 ³	1,056,660	537	0.79	1,022,456	548	0.80	34,204	329	0.48
1st July 2000 ³	1,178,848	599	1.10	1,143,069	613	1.12	35,779	344	0.45

¹ excluding Agalega and St Brandon

² "de facto" population

³ "de jure" population

Table 6.6 - Growth of the resident population¹ and vital statistics - Republic of Mauritius², 1993 - 2002

Year	Population at beginning of year	Natural movement			Net international migration	Total increase	% change during the year due to:		Population at end of year
		Live births	Deaths	Natural increase			Natural increase	International migration		Total
1993	1,091,888	22,329	7,433	14,896	-1550	13,346	1.36	-0.14	1,105,234
1994	1,105,234	21,795	7,402	14,393	-2337	12,056	1.30	-0.21	1,117,290
1995	1,117,290	20,549	7,465	13,084	-1466	11,618	1.17	-0.13	1,128,908
1996	1,128,908	20,763	7,670	13,093	-41	13,052	1.16	0.00	1,141,960
1997	1,141,960	20,012	7,986	12,026	+1358	13,384	1.05	+0.12	1,155,344
1998	1,155,344	19,434	7,839	11,595	-37	11,558	1.00	0.00	1,166,902
1999	1,166,902	20,311	7,944	12,367	+1,092	13,459	1.06	+0.09	1,180,361
2000	1,180,361	20,205	7,982	12,223	+591	12,814	1.04	+0.05	1,193,175
2001	1,193,175	19,696	7,983	11,713	+500	12,213	0.98	+0.04	1,205,388
2002	1,205,388	19,983	8,310	11,673	-569	11,104	0.97	-0.05	1,216,492

¹ Figures for 1992 - 1999 have been revised in the light of the 2000 census data

² Excl. Saint Brandon and Agalega

Table 6.7 - Life Expectancy at birth, 1993 - 2002

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002 ¹
Male	66.4	66.4	66.5	66.4	66.6	66.8	67.4	68.1	68.2	68.3
Female	73.9	74.0	74.2	74.3	74.4	74.4	74.6	75.3	75.4	75.5

¹ Provisional

Table 6.8 - Infant mortality¹ rate by geographical district, 1993 - 2002

Geographical district	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Port Louis	23.3	18.9	20.7	24.6	22.0	23.4	20.4	18.6	16.0	13.8
Pamplemousses	13.8	21.8	17.4	24.9	17.6	18.9	17.0	15.3	13.8	11.9
Riviere du Rempart	21.7	15.1	17.7	17.8	17.8	20.7	14.3	14.1	12.0	19.1
Flacq	18.7	18.6	21.3	19.0	21.4	13.4	16.5	13.9	14.4	12.5
Grand Port	21.6	20.4	20.3	26.7	19.1	30.9	27.2	18.3	16.8	20.9
Savanne	15.9	19.3	17.5	22.1	33.0	12.3	28.4	20.9	7.3	17.6
Plaines Wilhems	18.2	18.0	18.9	20.6	18.2	16.4	17.8	13.8	13.1	11.8
Moka	30.0	8.3	19.8	19.4	22.7	23.5	16.8	14.7	14.2	13.4
Black River	15.9	16.5	24.9	29.6	20.6	21.6	19.9	18.5	17.3	18.4
Island of Mauritius	19.6	18.0	19.6	22.2	20.3	19.4	19.2	15.8	13.9	14.5

¹ : The number of infant deaths in a year per 1000 live births during the year

Table 6.9 - Total number of buildings, residential and partly residential buildings, housing units, households and population, 1990 and 2000 Censuses

	Housing Census		Increase 1990 - 2000	
	1990	2000	No.	%
All buildings	200,626	257,521	56,895	28.4
Residential/Partly residential buildings	177,711	229,779	52,068	29.3
Total housing units	216,011	288,344	72,333	33.5
Occupied housing units	208,163	268,917	60,754	29.2
Private households	236,110	287,701	51,591	21.9
Population	1,054,902	1,129,801	74,899	7.1

Table 6.10 - Distribution of buildings by type, 1990 and 2000 censuses

Building type	Housing Census		Increase 1990 - 2000	
	1990	2000	No.	%
Under construction	8,929	11,460	2,531	28
Wholly residential	172,780	219,797	47,017	27
Partly residential	6,666	11,114	4,448	67
Hotels and Institutions	288	497	209	73
Non - residential	9,938	11,926	1,988	20
Other	2,025	2,727	702	35
All buildings	200,626	257,521	56,895	28

Table 6.11 - Residential and partly residential buildings by type of construction materials, 1990 and 2000 Housing Censuses.

Type of walls and roof materials	Housing census				Change 1990-2000	
	1990		2000			
	No.	%	No.	%	No.	%
Concrete walls and roof	127701	71.9	199,898	87.0	72,197	56.5
Concrete walls & iron/tin roof	13067	7.4	9,206	4.0	-3,861	-29.5
Iron/tin walls and roof	30075	16.9	16,815	7.3	-13,260	-44.1
Wood walls & iron/tin/shingle roof	4236	2.4	2,140	0.9	-2,096	-49.5
Other	2632	1.5	1,720	0.7	-912	-34.7
Total	177711	100.0	229,779	100.0	52,068	29.3

Table 6.12 - Distribution of housing units by occupancy status and type of vacancy, 1990 and 2000 Housing Censuses

Type of occupancy or vacancy	Housing units			
	1990		2000	
	No.	%	No.	%
Housing units occupied as :				
Principal residence	208,983	96.7	269,622	93.5
Secondary residence	1,725	0.8	3,901	1.4
Total occupied	210,708	97.5	273,523	94.9
Vacant housing units : For rent	2,093	1.0	5,990	2.1
For sale	205	0.1	2,548	0.9
Provided by employer	846	0.4	602	0.2
Under repairs	659	0.3	1,077	0.4
Other	1500	0.7	4,604	1.6
Total vacant	5,303	2.5	14,821	5.1
All housing units	216,011	100.0	288,344	100.0

Table 6.13 - Main Energy indicators, Republic of Mauritius, 1993 - 2002

Details	Unit	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total primary energy requirement	ktoe	821.99	828.33	889.56	924.33	956.18	1,021.75	1,003.50	1,125.93	1,191.53	1,168.84
Imported	ktoe	529.94	568.37	584.26	634.70	647.31	707.18	778.92	849.02	901.17	898.76
Local	ktoe	292.05	259.97	305.31	289.63	308.87	314.57	224.58	276.91	290.36	270.08
Total primary energy requirement index (1990 = 100)		110.15	111.00	119.20	123.86	128.13	136.92	134.47	150.88	159.67	156.63
Annual increase	%	+1.25	+0.77	+7.39	+3.91	+3.45	+6.86	-1.79	+12.20	+5.83	-1.90
Import dependency	%	64.47	68.62	65.68	68.67	67.70	69.21	77.62	75.41	75.63	76.89
Energy intensity	toe per Rs.100,000 GDP	2.09	2.01	2.05	2.00	1.96	1.98	1.90	1.69	1.70	1.62
Per capita primary energy requirement	toe	0.75	0.74	0.79	0.82	0.83	0.88	0.85	0.95	0.99	0.97
Per capita primary energy consumption	toe	0.59	0.58	0.61	0.62	0.63	0.64	0.59	0.63	0.65	0.63
Per capita consumption of electricity sold	kWh	684	736	814	879	947	1,026	1,059	1,158	1,222	1,248

Table 6.14 - Primary energy requirement, (Energy unit), Republic of Mauritius, 1993 - 2002

Energy source	Thousand tonne of oil equivalent (Ktoe)									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Imported										
Gasolene	78.1	86.0	90.7	94.4	94.7	95.7	96.7	99.4	94.8	94.5
Diesel Oil	118.2	125.7	127.6	137.4	147.0	156.7	166.6	191.3	190.6	198.7
Dual Purpose Kerosene	108.2	110.2	119.8	163.2	141.0	154.6	154.1	136.0	143.4	127.7
Kerosene	24.9	26.6	44.6	79.4	58.8	61.5	53.1	23.6	13.8	14.4
Aviation Fuel	83.3	83.6	75.2	83.8	82.2	93.1	101.0	112.4	129.6	113.3
Fuel Oil	151.2	171.8	170.0	175.3	194.1	212.7	230.0	215.5	236.1	231.4
LPG	35.6	36.0	37.0	39.5	42.3	43.7	46.9	50.0	50.8	52.5
Coal	38.7	38.8	39.1	25.0	28.3	43.9	84.7	156.9	185.5	193.9
Sub- total (Imported)	530.0	568.5	584.2	634.8	647.4	707.3	779.0	849.1	901.2	898.7
Local										
Hydro\Wind	22.9	16.7	29.7	23.0	20.5	23.0	6.6	21.0	15.6	18.9
Bagasse ¹	250.0	227.9	262.4	255.2	278.6	282.7	210.3	248.5	267.4	243.9
Fuel Wood ¹	19.2	15.4	13.2	11.4	9.8	8.8	7.7	7.3	7.3	7.3
Sub- total (Imported)	292.1	260.0	305.3	289.6	308.9	314.5	224.6	276.8	290.3	270.1
Total	822.1	828.5	889.5	924.4	956.3	1,021.8	1,003.6	1,125.9	1,191.5	1,168.8

¹ estimates

Table 6.15 - Imports of energy sources (Energy unit), Republic of Mauritius, 1993 - 2002

Energy sources	Thousand tonne of oil equivalent (Ktoe)									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Gasolene	78.6	84.7	90.9	95.1	95.1	93.9	100.2	97.0	93.7	86.7
Diesel Oil	179.0	212.1	228.5	224.2	258.5	285.6	298.5	343.1	341.4	349.9
Dual Purpose Kerosene	165.8	155.5	177.5	203.8	204.1	214.7	241.2	226.1	222.7	234.5
Kerosene	31.9	26.9	41.2	84.4	79.6	56.3	46.0	28.5	12.5	14.9
Aviation Fuel	134.0	128.6	136.3	119.4	124.5	158.4	195.2	197.6	210.3	219.6
Fuel Oil	174.2	191.4	199.2	186.6	239.2	263.2	236.4	210.0	264.1	200.2
LPG	31.9	35.3	39.1	39.5	45.0	48.3	47.1	51.1	47.4	60.4
Coal	39.0	23.8	41.1	23.9	17.2	53.5	79.9	137.9	215.4	193.5
Total	668.5	702.9	776.3	773.1	859.2	959.0	1,003.2	1,065.2	1,184.8	1,125.2

Fig. 21 - Imports of energy sources, Republic of Mauritius, 1993 - 2002

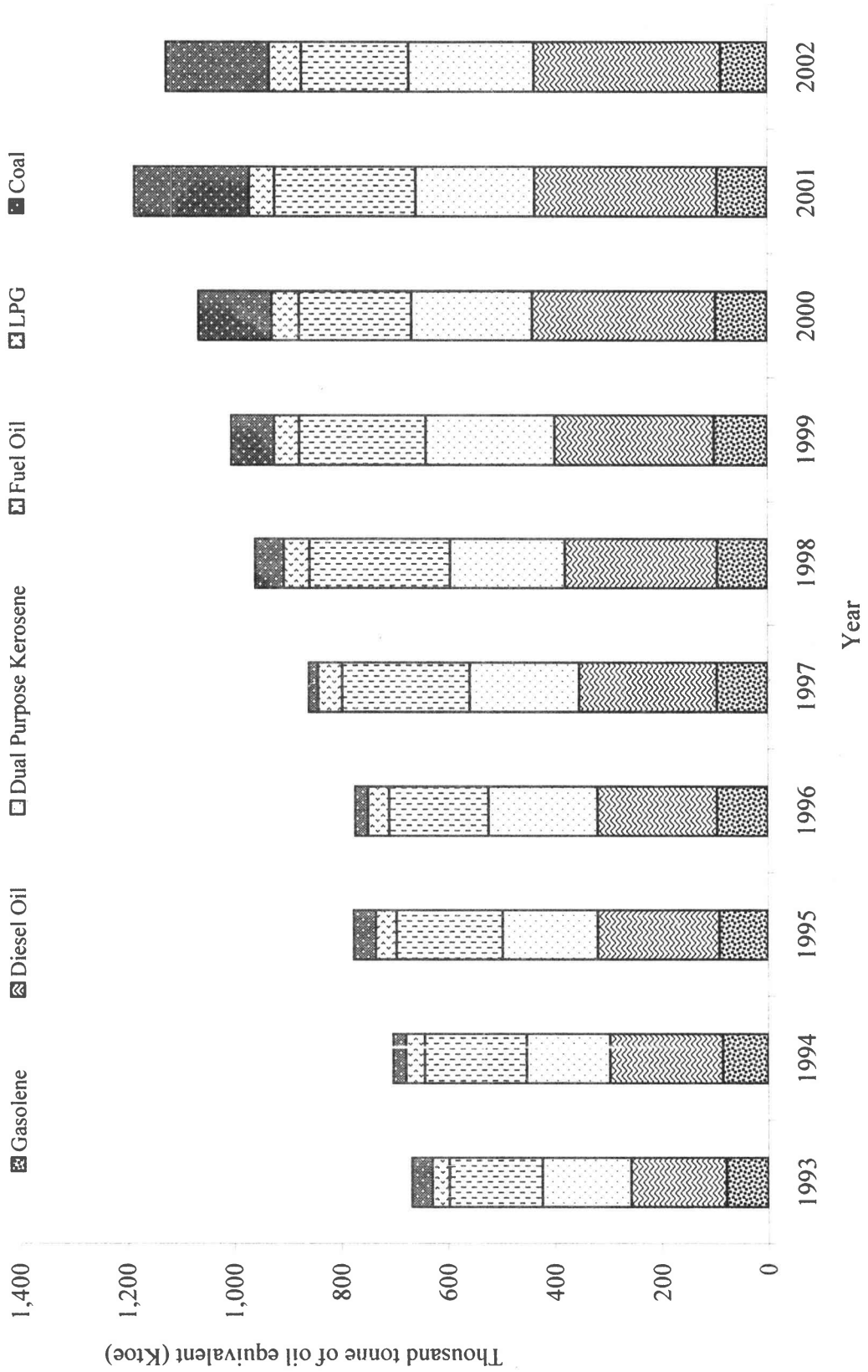


Table 6.16 - Fuel input for electricity production, (Energy unit), Republic of Mauritius, 1993 - 2002

Fuel	Thousand Tonne of oil equivalent (Ktoe)									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
<u>Island of Mauritius</u>										
Fuel oil	123.0	141.2	137.2	139.6	154.4	169.0	183.1	164.5	173.8	168.0
Diesel oil	2.8	2.9	2.6	2.2	2.3	2.6	3.1	2.9	2.6	2.8
Kerosene	12.8	15.4	33.6	68.5	48.9	51.7	43.6	13.6	3.9	5.7
Coal	19.1	19.8	18.8	4.1	11.4	27.9	69.5	141.7	169.5	177.9
Bagasse ¹	61.5	63.3	67.7	85.3	95.6	122.6	114.2	163.4	182.8	173.1
<u>Island of Rodrigues</u>										
Diesel oil ²	0.0	0.0	0.0	0.6	1.8	2.6	3.6	4.0	4.2	4.5
Fuel oil ²	2.0	2.2	2.7	2.3	1.1	1.2	0.4	0.6	0.6	0.7
Total	221.2	244.8	262.6	302.5	315.5	377.6	417.6	490.6	537.3	532.6

¹ estimates

² Figures for 1993 - 1997 are estimates

Table 6.17 - Final energy consumption by sector and type of fuel (Physical unit), Republic of Mauritius, 1993 - 2002

Sector	Unit	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Manufacturing											
Fuel oil	tonne	29,362	31,814	34,203	36,590	39,518	42,774	45,150	49,000	60,630	61,439
Diesel oil	tonne	16,459	18,373	17,255	23,367	26,622	30,233	32,650	41,600	37,533	37,409
LPG	tonne	2,200	2,470	2,550	2,761	3,179	3,276	3,600	3,689	3,650	3,502
Coal	tonne	31,593	30,647	32,797	33,727	27,242	25,713	24,490	24,464	25,781	25,888
Fuel wood ¹	tonne	7,142	4,382	3,900	3,400	2,500	2,000	1,800	1,500	1,500	1,450
Electricity ²	GWh	369.4	370.2	415.9	446.2	496.1	551.3	558.8	651.6	711.4	700.7
Bagasse ¹	tonne	1,178,000	1,028,400	1,216,900	1,062,100	1,143,800	1,000,600	600,400	531,800	529,000	442,722
Transport											
Gasolene	tonne	72,308	79,595	83,958	87,387	87,671	88,592	89,500	92,000	87,749	87,507
LPG	tonne	-	-	-	-	-	264	485	633	820	1,216
Diesel oil	tonne	94,092	99,202	101,876	106,224	113,361	118,934	126,500	142,000	145,555	153,437
Aviation fuel (local aircraft)	tonne	80,052	80,363	72,305	80,569	79,025	89,537	97,126	108,082	124,652	108,972
Household											
Kerosene	tonne	11,699	10,793	10,590	10,504	9,533	9,472	9,100	9,600	9,480	8,409
LPG	tonne	27,458	27,550	28,600	30,437	32,313	32,837	34,700	37,710	37,850	39,023
Fuel wood ¹	tonne	35,300	30,100	26,100	23,200	20,900	19,000	16,400	16,000	15,900	15,850
Charcoal ¹	tonne	1,000	500	400	350	300	250	200	150	150	130
Electricity	GWh	278.82	300.81	339.95	364.47	394.93	431.20	449.60	491.93	522.80	532.55
Commercial and Distributive Trade											
LPG	tonne	3,264	3,281	3,150	3,356	3,650	4,000	4,500	4,150	4,450	4,559
Charcoal ¹	tonne	1,000	1,000	800	500	300	300	300	300	330	340
Electricity	GWh	186.92	209.18	232.29	256.35	290.26	322.32	337.38	374.85	415.54	424.92
Agriculture											
Diesel oil ¹	tonne	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,460	2,430
Electricity	GWh	14.63	18.59	17.31	21.29	20.53	25.54	22.47	27.24	26.77	27.48

¹ Revised estimates² Revised to include own use of IPPs

Table 6.18 - Final energy consumption by sector (Energy unit), Republic of Mauritius, 1993 - 2002

Sector	Thousand tonne of oil equivalent (Ktoe)									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Manufacturing	289.7	268.8	305.3	292.2	311.8	299.3	240.2	249.9	262.4	249.2
of which bagasse ¹	188.5	164.5	194.7	169.9	183.0	160.1	96.1	85.1	84.6	70.8
Transport	256.4	269.7	268.8	285.5	291.4	309.2	326.0	355.9	372.3	364.1
Household	79.9	78.7	81.3	84.2	86.9	89.8	92.0	99.2	101.8	102.8
Commercial and Distributive Trade	20.3	22.3	24.0	26.0	29.1	32.3	34.1	36.9	40.8	41.7
Agriculture	3.0	3.4	3.4	3.9	3.9	4.4	4.3	4.8	4.8	4.8
Other (n.e.s) and losses	1.1	1.2	1.3	1.4	1.5	1.6	1.8	2.3	2.3	2.4
TOTAL	650.5	644.1	684.0	693.1	724.5	736.6	698.3	749.0	784.4	765.1

¹ estimates

Table 6.20 - Vehicles¹ registered by type, 1993 - 2002

Type of vehicle	Number									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Car	39,511	41,355	43,288	45,563	48,390	51,051	52,892	54,911	58,082	63,307
(of which taxi car)	(4,050)	(4,311)	(4,439)	(4,673)	(4,721)	(4,761)	(4,905)	(5,039)	(5,318)	(5,801)
Dual purpose vehicle	17,882	20,023	22,086	24,382	27,050	29,527	32,262	34,912	36,984	38,129
Heavy motor car	826	848	898	922	934	945	934	916	923	944
Motor cycle	18,829	20,461	21,492	22,230	22,839	23,577	24,125	24,523	25,104	25,723
Auto cycle	66,711	72,509	76,317	79,524	82,567	85,566	88,821	91,955	94,849	97,078
Lorry and truck	8,166	8,559	8,815	9,058	9,356	9,750	10,138	10,485	10,888	11,236
Van	9,663	10,292	10,851	11,434	12,469	14,508	16,814	18,807	20,694	21,750
Bus	2,217	2,276	2,362	2,348	2,359	2,367	2,344	2,394	2,408	2,450
Tractor and dumper	2,413	2,478	2,546	2,580	2,615	2,627	2,630	2,645	2,683	2,683
Prime mover	228	249	256	262	278	297	315	322	335	349
Trailer	1,333	1,428	1,534	1,597	1,640	1,703	1,719	1,726	1,776	1,770
Road roller	106	106	107	106	108	105	102	100	100	101
Other	273	300	315	314	317	321	319	322	323	321
Total	168,158	180,884	190,867	200,320	210,922	222,344	233,415	244,018	255,149	265,841

¹ Excluding pedal cycles, but including government vehicles

Fig. 22 - Vehicles registered by type, 1993 - 2002

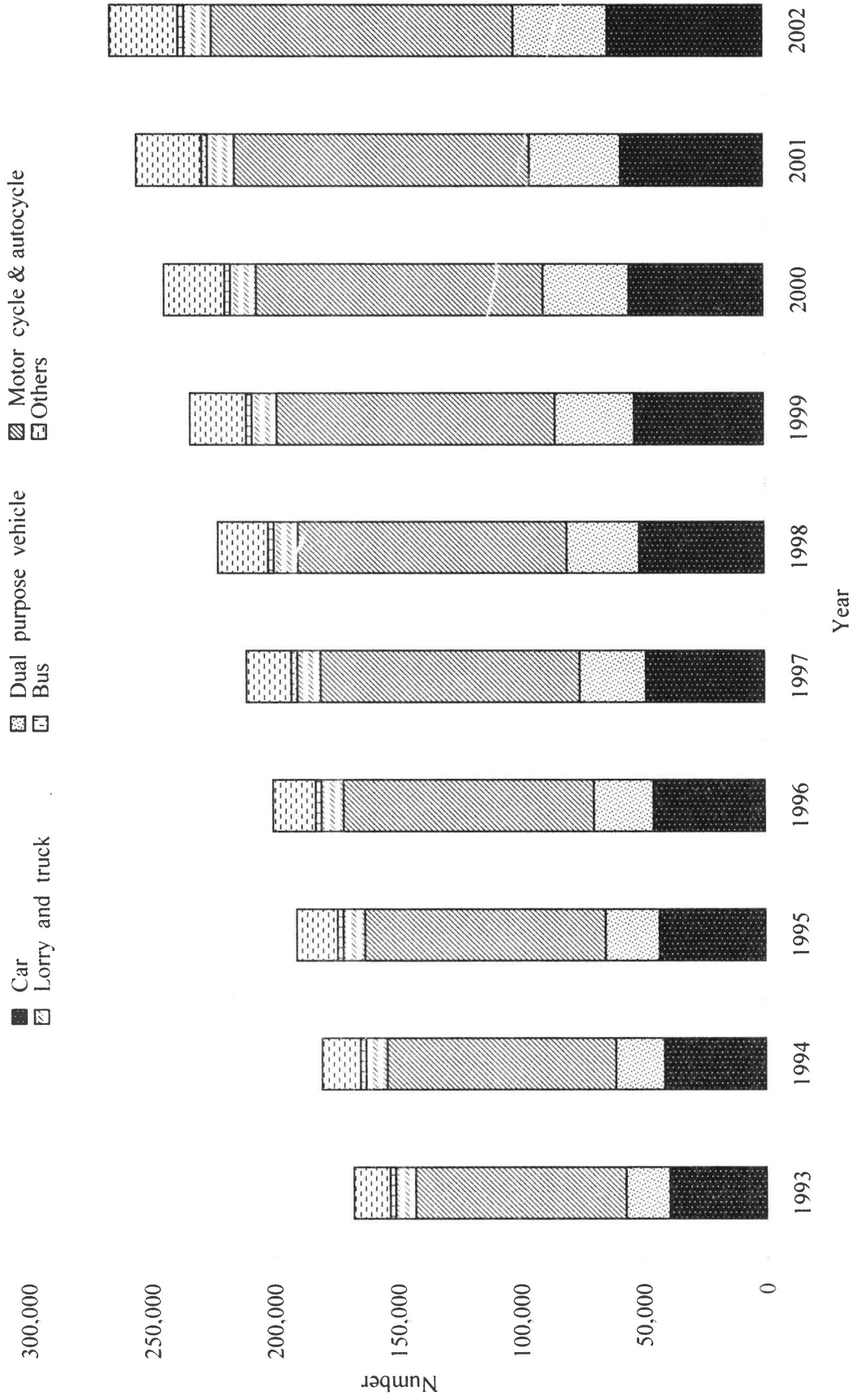


Table 6.21 - Road traffic accidents ¹ and casualties, 1993 - 2002

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
1. Road traffic accidents:										
Number	14,652	15,727	14,683	14,845	15,954	18,055	17,877	18,278	18,517	18,022
Rate per 100,000 Population	1,370	1,459	1,350	1,351	1,434	1,605	1,569	1,588	1,591	1,535
Rate per 1,000 registered motor vehicles	91	91	80	77	78	84	79	77	75	69
2. Motor vehicles involved :										
Number	25,240	27,203	25,584	26,270	28,561	32,568	32,547	33,537	33,988	33,119
Rate per 1,000 registered motor vehicles	158	158	139	135	140	152	144	142	137	127
3. Casualties :										
Total number of casualties	4,160	3,947	3,586	3,774	3,755	3,828	3,405	3,291	3,264	2,904
Fatal	157 ²	154 ²	173 ²	153 ²	146 ²	162 ²	170 ²	163 ²	126 ²	158 ³
Seriously injured	322 ²	330 ²	280 ²	238 ²	261 ²	281 ²	237 ²	266 ²	288 ²	216 ³
Slightly injured	3,681	3,463	3,133	3,383	3,348	3,385	2,998	2,862	2,850	2,530
4. Fatality :										
Rate per 100,000 population	14.8	14.3	15.9	13.9	13.1	14.4	14.9	14.2	10.8	13.5
Rate per 1,000 registered motor vehicle	1.0	0.9	0.9	0.8	0.7	0.8	0.8	0.7	0.5	0.6
Index ⁴	3.8	3.9	4.8	4.1	3.9	4.2	5.0	5.0	3.9	5.4

¹ Exclude number of accidents involving bicycles only

³ As from 2002, figures are based on definition of fatal accidents where death occurred within 30 days

² From 1993 to 2001, figures are based on definition of fatal accidents where death occurred within 7 days

⁴ Fatality index is the number of fatalities per 100 casualties

Fig. 23 - Road traffic accidents and casualties rate, 1993 - 2002

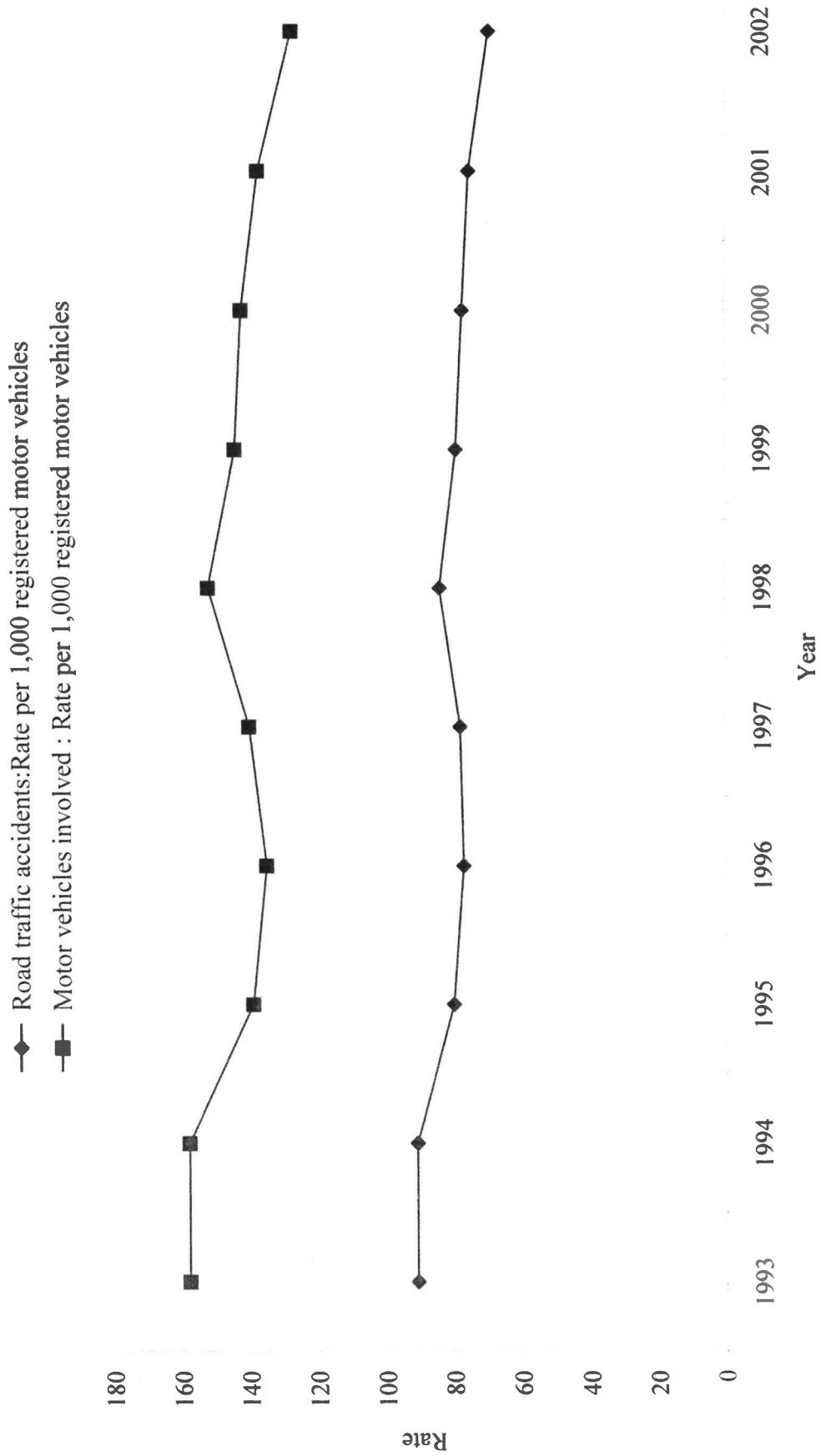


Table 6.22 - Imports of motor spirit and gas oil by country of origin, 1998 - 2002

(C.I.F. Value Rs ' 000)

Item	Country of origin	Unit	1998		1999		2000		2001		2002 ¹	
			Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Motor spirit (Gasoline)	Bahrain	M/ton	24,035	102,814	27,798	167,006	25,300	215,549	26,148	203,232	19,837	164,003
	Saudi Arabia	"	46,878	191,194	47,644	223,102	19,497	177,034	15,065	110,845	26,907	222,842
	South Africa Rep.	"	15,982	62,313	12,960	70,677	45,027	351,728	30,038	218,891	16,190	89,057
	Singapore	"	-	-	-	-	-	-	3,074	26,345	-	-
	United Arab Emirates	"	-	-	-	-	-	-	12,448	86,812	17,363	129,752
	Yemen	"	-	-	4,335	14,388	-	-	-	-	-	-
			86,895	356,321	92,737	475,173	89,824	744,311	86,773	646,125	80,297	605,654
Gas oil (Diesel)	Bahrain	M/ton	78,893	217,560	90,841	377,663	105,408	661,929	62,967	392,692	87,179	617,939
	Saudi Arabia	"	150,460	428,385	153,800	542,322	64,150	412,539	90,262	580,062	99,745	667,094
	South Africa Rep.	"	53,384	162,339	42,199	172,026	170,113	1,092,232	123,223	710,386	58,841	298,879
	Singapore	"	-	-	-	-	-	-	20,777	131,704	-	-
	United Arab Emirates	"	-	-	-	-	-	-	40,815	231,327	100,636	639,664
	Yemen	"	-	-	8,711	22,008	-	-	-	-	-	-
			282,737	808,284	295,551	1,114,019	339,671	2,166,700	338,044	2,046,171	346,401	2,223,576

¹ Provisional

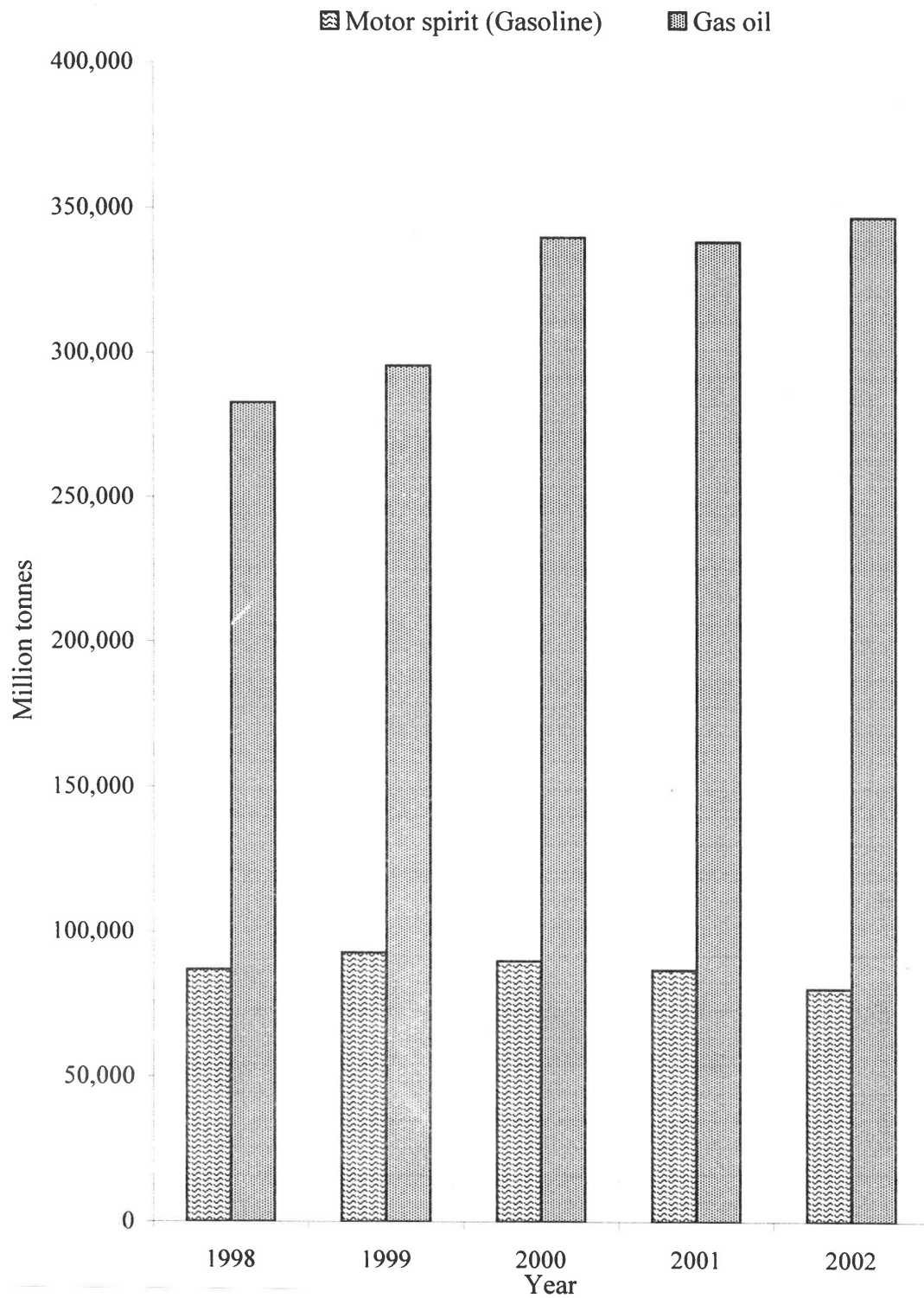
Fig. 24 - Imports of motor spirit and gas oil, 1998 - 2002

Table 6.23 - Imports of lubricating oils and greases by country of origin, 1998 - 2002

Item	Country of origin	1998		1999		2000		2001		2002 ¹	
		Quantity (M/ton)	Value (Rs '000)	Quantity (M/ton)	Value (Rs '000)	Quantity (M/ton)	Value (Rs '000)	Quantity (M/ton)	Value (Rs '000)	Quantity (M/ton)	Value (Rs '000)
Lubricating oil containing not less than 70 % by weight of petroleum products	France	488	14,830	549	15,383	757	19,425	431	14,206	247	7,965
	Japan	19	1,652	33	2,375	9	830	22	1,594	2	209
	Singapore	4,720	92,013	4,733	93,347	5,091	92,738	4,236	95,848	3,496	69,322
	South Africa Rep.	2,932	59,867	2,712	57,627	2,687	60,821	2,545	63,489	2,790	57,651
	Thailand	93	1,792	138	2,270	121	2,141	111	2,269	21	551
	United Kingdom	48	2,115	35	1,749	43	1,356	21	1,382	6	391
	United States	61	4,794	119	6,624	48	4,308	38	4,597	68	9,037
	Other countries	386	13,435	347	8,449	191	4,693	207	5,499	249	5,735
		8,747	190,498	8,666	187,824	8,947	186,312	7,611	188,884	6,879	150,861
Lubricating greases containing not less than 70 % by weight of petroleum products	France	49	1,589	41	1,210	37	1,005	47	1,492	13	549
	Singapore	10	332	16	635	118	2,917	13	541	10	296
	South Africa Rep.	122	3,088	83	2,458	92	2,958	109	3,265	114	3,081
	Other countries	29	1,102	38	1,626	24	1,168	10	929	5	547
		210	6,111	178	5,929	271	8,048	179	6,227	142	4,473

¹ Provisional

Table 6.24 - Air transport, 1993 - 2002

Year	Number of movements ¹		Freight ²	
	Landings	Take - offs	Unloaded (Tonnes)	Loaded (Tonnes)
1993	5,577	5,575	11,066	14,674
1994	5,717	5,703	12,690	14,855
1995	5,830	5,829	14,367	16,111
1996	6,265	6,261	16,856	18,815
1997	7,049	7,045	17,443	20,762
1998	7,320	7,314	17,516	19,559
1999	7,612	7,592	20,290	20,695
2000	8,349	8,332	20,113	21,156
2001	8,765	8,753	18,107	20,754
2002	9,172	9,170	19,114	25,663

¹ include only movements of commercial aircraft ;
each touch down / take-off is counted as a separate movement.

² include freight carried by planes other than commercial .

Table 6.25 - Tourist¹ arrivals by mode of transport and tourist nights spent during period, 1993 - 2002

Period	Tourist arrival during period			Tourist nights spent during period ²	% change over previous year	
	Sea	Air	Total		Tourist arrivals	Tourist nights
1993	5,710	368,920	374,630	4,610,400	+ 11.7	+ 12.2
1994	6,383	394,143	400,526	4,359,303	+ 6.9	- 5.4
1995	6,105	416,358	422,463	4,434,891	+ 5.5	+ 1.7
1996	6,484	480,383	486,867	4,957,683	+ 15.2	+ 11.8
1997	7,476	528,649	536,125	5,451,314	+ 10.1	+ 10
1998	17,109	541,086	558,195	5,567,889	+ 4.1	+ 2.1
1999	13,852	564,233	578,085	5,729,464	+ 3.6	+ 2.9
2000	10,677	645,776	656,453	6,412,876	+ 13.6	+ 11.9
2001	10,532	649,786	660,318	6,527,800	+ 0.6	+ 1.8
2002	14,180	667,468	681,648	6,768,870 ³	+ 3.2	+ 3.7

¹ A tourist is defined as a non-resident staying in the island for more than 24 hours but less than a year and is not involved in any gainful occupation.

² Including nights spent during reference period by tourist arriving prior to the period.

³ Provisional

Table 6.26 - Broadcasting services (end of period), Republic of Mauritius, 1993 - 2002

	Unit	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
A. Sound											
Channels	Number	5	5	5	6	7	7	7	8	8	8
Transmitters	"	13	17	19	20	20	20	22	24	18	21
Aerial output:											
Medium wave	kW	11	10	10	10	10/1	10/1	10/2	10/2	10/2	10/2
F.M.	kW		0.5	0.5	1.3	1/0.3	1/0.3	1/0.5	1/0.5	1/0.5	1/0.5
Weekly transmission time	Hour	435	700	840	1,008	1,350	1,176	1,176	1,344	1,344	1,344
B. Television											
Channels	Number	...	2	5	5	6	6	4	4	4	4
Transmitters	"	49	44	50	51	55	57	53	59	78	55
Aerial output (ERP)	kW	15	0.4 - 30	0.4 - 30	0.4 - 30	0.4 - 30	0.4 - 30	0.4 - 30	0.4 - 30	0.4 - 30	0.4 - 30
Weekly transmission time	Hour	164	108	800	800	800	800	500	500	672	672
Television sets licensed											
Isl. of Mauritius	Number	159,712	162,700	165,400	172,080	192,711	214,574	216,691	219,282	230,676	236,551
Isl. of Rodrigues	"	...	2,695	2,900	3,440	3,770	4,104	4,356	4,575	4,760	4,934
Private operators	"	...	...	...	...	...	...	3	3	3	3

Table 6.27 - Telephone services (end of period), 1993 - 2002

	Unit	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total line capacity of local exchanges	Number	143,386	154,471	183,000	253,852	264,627	267,788	268,210	299,034	354,557	387,924
Main telephone lines in operation	"	105,386	129,126	148,228	183,902	222,747	243,630	257,099	284,604	309,693	325,774
Cellular mobile telephone subscribers	"	...	5,706	11,735	23,000	44,000	61,000	80,000	126,600	278,500	366,438
National telephone traffic (calls) ¹	000	201,151	266,434	333,000	414,000	527,000	579,000	636,000	506,630 ²	511,573 ²	539,243 ²
International outgoing telephone traffic:											
(a) calls	000	...	5,281	5,838	6,490	7,298	8,259	9,676	10,727	11,179	12,627
(b) minutes	000	...	18,903	20,022	21,732	24,642	27,626	31,474	34,641	35,535	36,516

Source: Mauritius Telecoms and Emtel Ltd

¹ include only calls made via the Mauritius Telecom transmission network.² figures prior to and including 1999 relate to call units whereas 2000, 2001 and 2002 figures are for calls irrespective of duration

Table 6.28 - Health related statistics, 1997 - 2002

Year	1997	1998	1999	2000	2001	2002
No of doctors (public sector) ¹	590	590	585	663	694	703
No of doctors (public and private sectors) ¹	1,016	1,033	1,061	1,080	1,107	1,186
No of nurses (public sector) ¹	2,801	2,827	2,769	2,778	2,721	2,803
No of beds (public and private sectors)	3,844	4,170	4,418	4,391	4,297	4,350
No of children immunised against Tuberculosis	16,766	16,238	16,829	16,923	16,611	16,658
No of children immunised against DPT (diphtheria, pertussis, tetanus) & Hepatitis B 3 rd dose	17,401	16,724	16,616	16,925	17,381	16,895
No of children immunised against Polio 3 rd dose	17,443	16,803	16,690	16,962	17,441	16,937
No of children immunised against Measles/Mumps/Rubella (MMR)	16,831	15,863	15,581	16,354	16,846	19,190
No of cases of (Imported) Malaria reported	63	52	73	62	62	38
No of cases of (Introduced) Malaria reported	1	-	-	-	3	-

¹ Republic of Mauritius

Table 6.29 - Percentage distribution of private households by amenities available, Republic of Mauritius, 1990 and 2000 Housing Censuses

Amenity available	Housing census	
	1990 (%)	2000 (%)
1. Electricity	96.8	99.0
2. Water supply :		
Piped water inside house	56.0	83.7
Piped water outside on premisses	33.5	14.5
Public fountain,well, river, etc.	10.5	1.8
3. Availability of water tank/reservoir	...	36.4
4. Bathroom	94.5	99.0
With running water	63.6	89.0
Without running water	30.9	10.0
None	5.5	1.0
5. Toilet	100.0	100.0
Flush toilet	62.8	88.8
Pit latrine	36.5	11.0
Other	0.7	0.2
6. Kitchen	97.6	99.2
Inside housing unit	64.9	87.8
Outside housing unit	32.7	11.4
None	2.4	0.8
7. Fuel for cooking :		
Gas	50.3	91.5
Wood and charcoal	26.3	4.5
Kerosene	21.7	3.4
Electricity	1.5	0.5
Other and not stated	0.2	0.1

Table 6.30 - Percentage distribution of private households by method of refuse disposal, 1990 and 2000 Censuses

Method of refuse disposal	Housing census	
	1990 (%)	2000 (%)
Receptacle with cover	31.1	...
Receptacle without cover	10.5	...
Enclosure made of bricks/stones	7.0	...
Regular collection	-	88.7
Irregular collection	-	4.9
Dumped on premises	15.9	1.3
Dumped on roadside	13.8	0.9
Ash pit	20.6	3.8
Other	1.1	0.4
Total	100.0	100.0

Table 6.31 - Private households by principal fuel used for heating water for bathing, 2000 Housing and Population Census

Fuel type	Urban	Rural	Total
Electricity	50,827	23,567	74,394
Gas	46,751	69,557	116,308
Solar	5,767	5,687	11,454
Other	4,788	18,446	23,234
None ¹	22,780	40,995	63,775
Not stated	5	-	5

¹ Includes households who do not regularly use hot water for bathing

Table 6.32 - No. of complaints received at the Pollution Prevention and Control Division of the Department of Environment by category, 1994 - 2002

Category	1994	1995	1996	1997	1998	1999	2000	2001	2002 ¹
Noise	100	87	106	86	150	121	555	821	458
Solid waste	56	56	43	35	85	57	586	758	88
Air pollution	55	45	35	18	47	32	71	188	229
Waste water	78	49	74	35	60	32	150	210	286
Animal husbandry	-	-	-	12	11	12	-	-	-
Odour	44	56	44	24	64	56	251	417	406
Other	37	56	90	85	86	93	293	657	189
Total	370	349	392	295	503	403	1,906	3,051	1,656

Source : Ministry of Environment and National Development Unit

¹provisional

Fig. 25 - No. of complaints received at the Pollution Prevention and Control Division of the Department of Environment by category, 2002

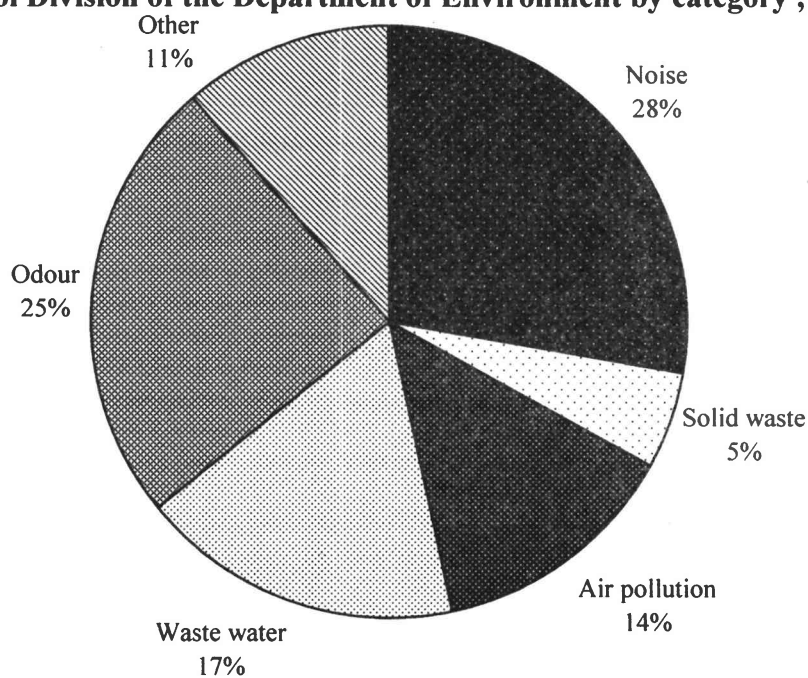


Table 6.33 - Contraventions and notices established by Police De L'Environnement, 2001 and 2002

Type of contravention	2001	2002
Illegal Littering	1,368	3,731
Illegal Dumping	27	39
Noise	85	156
Smoking in prohibited area	93	267
Waste carriers offences	...	70
Setting fire within 50 metres from building/plantation	...	27
Obstruction	...	45
Road Traffic Offences	...	68
Trading without licence	...	50
Allowing animal to stray	...	18
Disturbance	...	4
Others	313	231
Total	1,886	4,706
No. of notices issued to drivers of vehicles emitting black smoke	1,592	2,764

Source: Ministry of Environment and National Development Unit.

Table 6.34 - Employment by industrial group ¹ and sex, March 2002, Republic of Mauritius

Industrial group	Male	Female	Both sexes
<u>Agriculture, forestry and fishing</u>	<u>19,972</u>	<u>5,286</u>	<u>25,258</u>
Sugarcane	13,453	4,162	17,615
Tea	113	156	269
Tobacco	73	131	204
Flower growing	182	283	465
Fishing	694	56	750
Animal Farming	491	88	579
Agricultural & animal husbandry services	3,732	310	4,042
Forestry, logging & related service activities	1,222	16	1,238
Other	12	84	96
<u>Mining and quarrying</u>	<u>85</u>	<u>85</u>	<u>170</u>
<u>Manufacturing</u>	<u>49,191</u>	<u>61,826</u>	<u>111,017</u>
Food:			
Meat and fish processing	2,926	1,882	4,808
Bread	551	85	636
Sugar confectionery, biscuits and other farinaceous products	463	478	941
Sugar	3,035	29	3,064
Tea	175	28	203
Other	79	159	238
Beverage and tobacco:			
Distilleries & cigarette manufacture	311	85	396
Wine and beer	744	124	868
Soft drinks	1,439	79	1,518
Textiles	5,046	2,949	7,995
Wearing apparel (except footwear)	21,006	48,976	69,982
Leather products	181	506	687
Footwear	289	187	476
Wood products (except furniture)	368	183	551
Paper products	579	165	744
Printing and publishing	1,698	725	2,423
Chemical products	1,716	432	2,148
Rubber products	170	33	203
Plastic products	1,037	400	1,437
Non-metallic mineral products:			
Stone and concrete	1,145	82	1,227
Other	242	70	312
Basic metals	356	18	374
Fabricated metal products	1,548	245	1,793
Machinery & equipment	386	44	430
Electrical machinery & apparatus	324	183	507
Radio, television & communication equipment	131	69	200
Medical, optical & photographic equipment	381	537	918
Watches and clocks	267	515	782
Transport equipment	254	14	268

¹ Large establishment

Table 6.34(cont'd)-Employment by industrial group ¹ and sex, March 2002, Republic of Mauritius

Industrial group	Male	Female	Both sexes
Furniture	1,101	162	1,263
Jewellery and related articles	916	1,149	2,065
Other manufacturing industries	327	1,233	1,560
<u>Electricity, gas and water</u>	<u>2,868</u>	<u>173</u>	<u>3,041</u>
<u>Construction</u>	<u>12,511</u>	<u>516</u>	<u>13,027</u>
<u>Wholesale & retail trade, repair of m/vehicles, motorcycles, personal & household goods</u>	<u>12,063</u>	<u>4,846</u>	<u>16,909</u>
Maintenance & repair of motor vehicles & motorcycles	327	38	365
Sale of motor vehicles, motor cycles & related parts; automotive fuel	1,272	265	1,537
Wholesale trade	6,451	1,776	8,227
Retail trade	4,013	2,767	6,780
<u>Hotels and restaurants</u>	<u>13,664</u>	<u>3,478</u>	<u>17,142</u>
Hotels	12,684	3,206	15,890
Restaurants	980	272	1,252
<u>Transport, storage & communication</u>	<u>14,613</u>	<u>2,908</u>	<u>17,521</u>
Bus transport	5,627	55	5,682
Other land transport	800	149	949
Water & air transport	1,564	738	2,302
Cargo handling, storage & warehousing & related activities	3,296	504	3,800
Travel agencies & tour operators	718	676	1,394
Post & telecommunication	2,608	786	3,394
<u>Financial intermediation</u>	<u>4,171</u>	<u>2,845</u>	<u>7,016</u>
Banking	2,698	1,655	4,353
Insurance	1,176	954	2,130
Other	297	236	533
<u>Real estate, renting and business activities</u>	<u>6,381</u>	<u>2,348</u>	<u>8,729</u>
Real estate & renting of equipment	178	70	248
Computer services	630	759	1,389
Accounting & consultancy services	844	681	1,525
Architectural & engineering services	708	133	841
Advertising services	187	121	308
Security services	2,646	60	2,706
Other	1,188	524	1,712
<u>Public administration & defence; compulsory social security</u>	<u>29,875</u>	<u>7,895</u>	<u>37,770</u>
<u>Education</u>	<u>10,251</u>	<u>8,663</u>	<u>18,914</u>
<u>Health and social work</u>	<u>5,777</u>	<u>5,209</u>	<u>10,986</u>
Health services	5,084	4,514	9,598
Social work activities	693	695	1,388
<u>Other community, social and personal services</u>	<u>5,132</u>	<u>1,971</u>	<u>7,103</u>
Cleaning services	2,202	995	3,197
Recreational & sporting activities	2,390	721	3,111
Other	540	255	795
Total	186,554	108,049	294,603

¹ Large establishment

Table 6.35 - Number of accidents by economic activity, bodily location and agency, Republic of Mauritius, (July 2001 - June 2002)

Economic Activity	Classification according to Bodily Location										Classification according to Agency						
	1.Head (including throat & cervical vertebrae)	3.Trunk	4.Upper Limb	5.Lower Limb	6.Multiple Locations	7.General Injuries	8.Unspecified location of Injury	TOTAL	1.Machines	2.Means of transport & lifting equipment	3.Other Equipment (including cranes)	Substances & Radiations	5.Working Environment	6.Other agencies, not elsewhere classified	7.Agencies not classified for lack of sufficient data	TOTAL	
Agriculture, hunting & forestry	424	20	801	118	224	23	1	86	1,697	1	2	1	23	1,661	0	9	1,697
Fishing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mining & Quarrying	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Manufacturing	43	8	361	42	173	14	0	48	689	34	6	2	31	599	0	17	689
Electricity, Gas & Water Supply	0	0	3	0	0	0	0	2	5	0	0	0	0	3	0	2	5
Construction	116	18	384	38	203	2	0	24	785	6	4	0	61	710	0	4	785
Commerce	2	1	68	13	15	5	0	9	113	4	0	1	1	102	0	5	113
Hotels & Restaurants	1	0	32	7	10	2	0	10	62	2	0	0	1	56	0	3	62
Transport, Storage & Communications	22	5	133	25	33	4	0	11	233	2	0	0	2	227	0	2	233
Financial Intermediation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Real Estate, renting & business activities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Public Administration & defence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Education	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Health & Social Work	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other community, Social & Personal Service Activities	6	0	54	6	38	0	0	13	117	0	0	1	3	108	0	5	117
Private households with employed persons	12	1	68	9	25	7	0	12	134	5	0	1	8	106	0	14	134
Extra-territorial organisations & bodies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	626	53	1,905	258	721	57	1	215	3,836	54	12	6	130	3,573	0	61	3,836

Table 6.36 - Rating of the state of the environment by heads of households surveyed, 2001, Republic of Mauritius

Situation	Percentage of households having rated the situation as :					
	Very Good	Good	Satisfactory	Poor	Bad	Total
Vicinity of house	3.4	34.3	38.0	17.5	6.8	100.0
Rivers/riverside	0.7	17.4	32.3	33.2	16.4	100.0
Industrial/commercial sites	0.6	21.0	40.8	26.4	11.2	100.0
Beaches	5.6	40.3	40.3	10.3	3.5	100.0
Country in general	1.6	24.4	48.4	19.8	5.8	100.0

Source : CSO, Continuous Multi - Purpose Household Survey 2001



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