

**DIGEST OF ENVIRONMENT STATISTICS
2011**

DIGEST OF ENVIRONMENT STATISTICS - 2011

Foreword

This is the tenth issue of the Digest of Environment Statistics prepared by Statistics Mauritius. 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 data provided in this publication and covering the period 2002 to 2011, wherever possible, are the latest available. These 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 researchers.

The digest has been prepared with the collaboration of the Ministry of Environment and Sustainable Development and several other organisations. The cooperation and assistance of all these organisations are gratefully acknowledged.

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December 2012

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Environment Statistics, 2011

1. Flora

1.1 *Decrease in forest area*

Preservation of forests is vital for the protection of the ecosystem. However, the total forest area has been declining from 47,159 hectares in 2010 to 47,140 hectares in 2011. Some 47% (22,140) of the total forest land in 2011 was state owned and the remaining 53% (25,000) was privately-owned (Table 1.1).

Out of the 22,140 hectares of state-owned forest area, 11,897 hectares (54%) were planted areas while the Black River Gorges National Park and the nature reserves accounted for another 6,574 (30%) and 799 (4%) hectares respectively. Forest area under the category "Pas Geometriques" represented about 631 hectares or 3%. The remaining 9% comprised islets, other nature parks and other forest lands.

The 25,000 hectares of privately-owned forest lands comprised of 18,447 hectares of land that were mostly plantation, forest, scrub and grazing lands. The remaining 6,553 hectares were mountain and river reserves.

1.2 *Land Protected Areas*

The land protected areas as shown in Table 1.6 totalled to 14,879 hectares. The Black River Gorges National Park represented 6,574 hectares (44%), the privately owned mountain reserves, 3,800 hectares (26%) and river reserves 2,740 hectares (18%). The nature reserves constituting the islets accounted for 621 hectares (4%).

2. Fauna

2.1 *Livestock*

As at June 2011, the livestock population of cattle, goat, sheep and pig was 59,988. Goats topped the list with an estimated population of 28,176 heads (47%), followed by pigs, 23,285 (39%), cattle, 6,596 (11%) and sheep, 1,931 (3%) (Table 2.1).

2.2 Agro-industrial production

In 2011, the production of beef from slaughter of live cattle decreased by 7.8% to 2,023 tonnes from 2,194 tonnes in 2010. The production of goat meat and mutton dropped by 8.8% from 68 tonnes to 62 in 2011. Production of pork went up by 4.3% from 623 tonnes to 650 tonnes in 2011.

The production of poultry increased by 0.9% to 47,000 tonnes from 46,600 in 2010. Milk production amounted to around 4.0 million litres in 2011 (Table 2.3).

2.3 Fish catch and production

Fish production decreased by 18.5% from 6,464 tonnes in 2010 to 5,270 tonnes in 2011 (Table 2.4). In 2011, fish production through coastal (artisanal) fishery increased by 7.3% to 892 tonnes from 831 tonnes in 2010. Basket trap accounted for 34% of the total catch, followed by large net (31%) and line (21%) (Table 2.5).

In 2011, the mean catch per fisherman per day (coastal) was 6.9 kilogram, 6.2% higher than in 2010 (Table 2.8).

2.4 Marine Protected Areas (MPA)

The 7,216 hectares of marine protected areas consisted of marine parks, fishing reserves and wetland. In 2011, the area occupied by the fishing reserves was 6,352 hectares (88.0%), followed by the marine parks, 838 hectares (11.6%) and wetland, 26 hectares (0.4%) (Table 2.17).

3. Atmosphere

3.1 Ambient Air quality

The ambient air quality, as monitored by mobile stations of the Ministry of Environment and Sustainable Development, was assessed in terms of the amount of pollutants present in the air. The main pollutants under investigation in 2011 were dust, Sulphur Dioxide, Nitrogen Dioxide and Carbon Monoxide.

The results of the monitoring exercise (Table 3.5) indicate that the air quality was at an acceptable level when compared to the existing national standards.

3.2 Greenhouse gas (GHG)

Greenhouse gas 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 and resulting in global warming.

3.2.1 Total GHG emissions and removals

Total emissions and removals of greenhouse gases are given in Table 3.6 while the national inventory of greenhouse gas (GHG) emissions and removals by source categories is given in Table 3.8. Both tables indicate that:

- carbon dioxide CO₂ remains the main contributor of greenhouse gas emissions;
- net CO₂ emissions, after accounting for the removal of CO₂ by forests, dropped slightly from 3,375 thousand tonnes in 2010 to 3,351 thousand tonnes in 2011; and
- the non-carbon dioxide emissions consisted mainly of carbon monoxide and methane.

3.2.2 Carbon dioxide (CO₂) emissions from fuel combustion activities

Fuel combustion by the energy industries remained the largest source of GHG emissions and accounted for 61% (2,206 thousand tonnes) of the total GHG emissions in 2011 (Table 3.7). Next came the transport sector which made up 25% (922 thousand tonnes) of total GHG emissions and the manufacturing industries making up another 9% (337 thousand tonnes).

Compared to 2010, CO₂ emissions from fuel combustion registered a slight decline from 3,664 to 3,639 thousand tonnes (-0.7%). Table 3.7 shows a breakdown by sector:

- CO₂ emissions in the energy industries decreased slightly by 0.8% (from 2,224 to 2,206 thousand tonnes) mainly attributed to a decrease in the amount of fuel input (petroleum products and coal) to produce electricity (Table 6.16);
- the manufacturing sector registered a decrease of 4.3% in CO₂ emissions (from 352 to 337 thousand tonnes). This could be explained by a fall in the amount of fuel consumed by the sector (Table 6.17);
- CO₂ emissions by the transport sector went up by 1.1% (from 912 to 922 thousand tonnes) due to higher fuel consumption (Table 6.17). In fact, the number of registered motor vehicles went up by 4.4% (from 384,115 to 400,919) (Table 6.20).

3.2.3 Non-CO₂ emissions

Non-CO₂ emissions were distributed in thousand tonnes as follows: carbon monoxide 67.4, methane 38.5, non-methane volatile organic compounds (NMVOC) 21.1, oxide of nitrogen 18.1, sulphur dioxide 13.3, and nitrous oxide 1.1.

3.3 Ozone-depleting substances

The consumption of the controlled ozone-depleting substances namely hydrochlorofluorocarbon (HCFC's) increased to 157 metric tonnes in 2011 from 96 metric tonnes in 2010.

4. Water

Water, being a basic support element for human life and ecosystems is of vital environmental and biological importance.

4.1 Water balance

In 2011, the Island of Mauritius received 3,627 million cubic metres (Mm³) of precipitation (rainfall), compared to 3,368 Mm³ obtained in 2010 (+7.7%). Only 10 % of the precipitation went as ground water recharge, while evapotranspiration and surface runoff accounted for 30% and 60% respectively (Table 4.3).

4.2 Water utilization

Total water utilisation was estimated at 752 Mm³ in 2011. Around 84% of the total water utilisation was met by surface water and the remaining 16 % by ground water.

The agricultural sector accounted for 47% of the water utilised (356 Mm³), hydropower 24% (181 Mm³), domestic, industrial and tourism sector, 29% (215 Mm³) (Table 4.4).

Compared to 2010, water utilisation dropped by 19.6 %, from 935 to 752 Mm³ with falls in each sector as follows:-

- domestic, industrial and tourism: -7.7%,

- hydropower: -39.3% , and
- agriculture: -11.9%.

4.3 Water consumption

The daily per capita domestic consumption of water went up from 160 to 162 litres from 2010 to 2011. The daily per capita potable water consumed decreased from 221 to 211 litres (Table 4.12).

5. Land

5.1 Land use

Land use refers to the main activity taking place on an area of land, for example, farming, forestry or housing. Based on latest available data on land use (Table 5.1 and Figure 17) sugar cane plantations occupied 39% (72,000 hectares) of the total land area of the Island of Mauritius in 2005, forest, scrubs and grazing lands 25% (47,200 hectares) and built up areas another 25% (46,500 hectares).

During the period 1995 to 2005, the land occupied by sugarcane, tea plantations and forestry decreased mainly at the expense of built up areas.

5.2 Fertilisers and pesticides

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.

Between 2010 and 2011,

- import of fertilisers increased by 17.4% from 46,282 to 54,356 tonnes while
- import of pesticides dropped by 11.6% from 2,383 to 2,107 tonnes (Table 5.5).

5.3 Waste disposal

The total amount of solid waste landfilled went down by 3.1 % from 427,802 tonnes in 2010 to 414,543 tonnes in 2011 (Table 5.10). The drop in the amount of solid waste disposed at the Mare Chicose sanitary landfill was due to composting of solid waste. Domestic waste constituted 94% of the total solid waste landfilled in 2011.

5.4 Environmental Impacts Assessment (EIA) Licences and Preliminary Environmental Report (PER) Approvals

EIA Licences and PER Approvals

In 2011, some 30 EIA licences were granted of which 10 were issued to coastal hotels and related works, 5 to land parcelling and 4 to development in port area (Table 5.11).

During the same period, 24 PER approvals were granted, out of which 10 were for poultry rearing and 9 were for industrial development (Table 5.12).

6. Human settlement

6.1 The economy

Table 6.1 shows some main environment indicators and socio-economic indicators over the ten year-period, 2002 - 2011.

Gross Domestic Product (GDP), which measures the total value of production, increased in nominal terms by about 123%, from Rs 145,055 million in 2002 to Rs 322,993 million in 2011. The share of agriculture in GDP fell from 5.9% in 2002 to 3.7% in 2011; that of manufacturing decreased from 21.6% to 17.7%, while that of transport and communications decreased from 13.2% to 9.2%.

During the same period, population of the Republic of Mauritius increased by 6.7% from 1,210,196 to 1,286,051 and population density from 615 to 653 per km².

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 requirement

The total primary energy requirement of the country decreased by 0.3%, from 1,431 ktoe in 2010, to 1,427 ktoe in 2011. Around 84% of the total primary energy requirement was met by

imported fuels (oil, LPG and coal) and the remaining 16%, obtained from local sources (bagasse and hydro). Details on the primary energy requirement by energy source are shown in Table 6.14.

6.2.2 Inputs for electricity production

Different types of fuel are used for electricity production. Fuel input decreased from 778 ktoe in 2010 to 773 ktoe in 2011 (-0.6%). The major components of the fuel input were coal (49.5 %), fuel oil (26.6%) and bagasse (23.2%) (Table 6.16).

6.2.3 Final energy consumption

Final energy consumption increased by 0.9% from 854 ktoe in 2010 to 862 ktoe in 2011. "Transport" and "Manufacturing" were the two largest energy-consuming sectors accounting for 50.5% and 25.7% of energy consumed respectively. They were followed by "Household" (13.6%), "Commercial and Distributive Trade" (9.4%) and "Agriculture" (0.5%) (Table 6.18).

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.

Energy consumption by "Transport" sector stood at 435 ktoe, representing an increase of 3.1% over the previous year's figure of 422 ktoe.

6.3 Stock of registered motor vehicles

The fleet of motor vehicles went up by 4.4% from 384,115 in 2010 to 400,919 in 2011 (Table 6.20).

6.4 Complaints

Effective environmental management needs appropriate coordination and monitoring of environmental problems. The Ministry of Environment and Sustainable Development is entrusted to address environmental complaints received from the general public.

The number of complaints by category received by the Pollution Prevention and Control Division of the Ministry of Environment and Sustainable Development for 2002 to 2011 is shown in table 6.33. The number of complaints received increased from 622 in 2010 to 731 in 2011 (+17.5%). These were mainly due to noise (23%), solid waste (17%), air pollution (13%), waste water (12%) and odour (11%)

6.5 Contraventions

In 2011, the Police de L'Environnement issued 873 contraventions of which illegal littering accounted for 79% (687).

During the same period, 374 notices were issued to drivers of vehicles emitting black smoke (Table 6.34).

CHAPTER 1

FLORA

Table 1.1 - Forest area by category, 2002 - 2011

Category	Hectares									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
State - owned	22,089	22,068	22,200	22,185	22,181	22,176	22,159	22,159	22,159	22,140
Plantations	12,418	12,256	11,816	11,828	11,848	11,878	11,855	11,901	11,855	11,897
Nature reserves	799	799	799	799	799	799	799	799	799	799
<i>On mainland</i>	200	200	200	200	200	200	200	200	200	200
<i>Islets</i>	599	599	599	599	599	599	599	599	599	599
Black River Gorges National Park	6,574	6,574	6,574	6,574	6,574	6,574	6,574	6,574	6,574	6,574
Bras D'Eau National Park ¹	...	...	472	472	472	472	472	472	472	497
Islet National Parks ²	...	...	134	134	134	134	134	134	134	134
Vallee D'Osterlog Endemic Garden ³	...	...	...	...	...	275	275	275	275	275
Other Forest Lands	1,646	1,804	1,770	1,743	1,719	1,413	1,419	1,373	1,419	1,333
Pas Geometriques	652	635	635	635	635	631	631	631	631	631
<i>Plantations</i>	243	226	226	226	226	222	222	222	222	222
<i>Leased for grazing and tree planting</i>	230	230	230	230	230	230	230	230	230	230
<i>Others (mostly rocky)</i>	179	179	179	179	179	179	179	179	179	179
Privately - owned lands	34,540	34,540	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Reserves	6,553	6,553	6,553	6,553	6,553	6,553	6,553	6,553	6,553	6,553
<i>Mountain reserves</i>	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800
<i>River reserves</i>	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740
<i>Private reserves</i>	13	13	13	13	13	13	13	13	13	13
Other ⁴	27,987	27,987	18,447	18,447	18,447	18,447	18,447	18,447	18,447	18,447
Total	56,629	56,608	47,200	47,185	47,181	47,176	47,159	47,159	47,159	47,140

Source : Forestry Service, Ministry of Agro Industry and Food Security.

¹ Bras D'Eau & Poste La Fayette Reserves was proclaimed Bras D'Eau National Park in 2011.

² Islet National Parks were proclaimed in 2004.

³ Vallee D'Osterlog Endemic Garden was proclaimed in 2007

⁴ Includes plantations, forest lands, scrub and grazing lands.

Table 1.2 - Changes in forest-land cover, 2002 and 2011

	Area (hectares)		% of total land area	
	2002	2011	2002	2011
Forests lands :	56,629	47,140	30.4	25.3
of which				
State owned	22,089	22,140	11.8	11.9
<i>Plantations</i>	12,418	11,897	6.7	6.4
<i>Land Protected areas and Nature reserves</i>	7,373	8,279	4.0	4.4
<i>Other Forest Land</i>	1,646	1,333	0.9	0.7
<i>Pas Geometriques</i>	652	631	0.3	0.3
Privately-owned lands ¹	34,540	25,000	18.5	13.4
<i>Reserves (land Protected areas)</i>	6,553	6,553	3.5	3.5
<i>Other</i>	27,987	18,447	15.0	9.9

¹ includes plantations, reserves, scrub and grazing lands.

Table 1.3 - Local production, imports and consumption of timber, poles and fuel wood, 2002 – 2011

	cubicmetre (roundwood)									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Local Production	15,910	14,007	13,973	12,098	14,532	13,952	10,885	10,531	14,328	10,960
Timber	4,346	4,565	5,057	4,818	6,869	5,332	4,330	3,807	3,696	3,207
<i>State Lands</i>	3,796	3,730	4,587	4,628	6,067	4,874	4,260	3,762	3,231	3,077
<i>Private Lands</i> ¹	550	835	470	190	802	458	70	45	465	130
Poles	2,642	2,976	3,111	2,187	1,605	1,553	1,284	1,242	1,220	1,281
<i>State Lands</i>	1,612	1,911	2,356	1,677	1,060	1,022	1,002	1,102	787	1,098
<i>Private Lands</i> ¹	1,030	1,065	755	510	545	531	282	140	433	183
Fuelwood	8,922	6,466	5,805	5,093	6,058	7,067	5,271	5,482	9,412	6,472
<i>State Lands</i>	7,992	5,189	5,170	4,578	4,765	6,116	5,089	5,202	8,217	5,965
<i>Private Lands</i> ¹	930	1,277	635	515	1,293	951	182	280	1,195	507
Imports of timber ²	85,488	65,558	108,677	111,764	89,085	132,503	120,311	78,395	95,870	100,438
Total Consumption ³	101,398	79,565	122,650	123,862	103,617	146,455	131,196	88,926	110,198	111,398

Source: Forestry Service, Ministry of Agro Industry and Food Security.

¹ Estimates

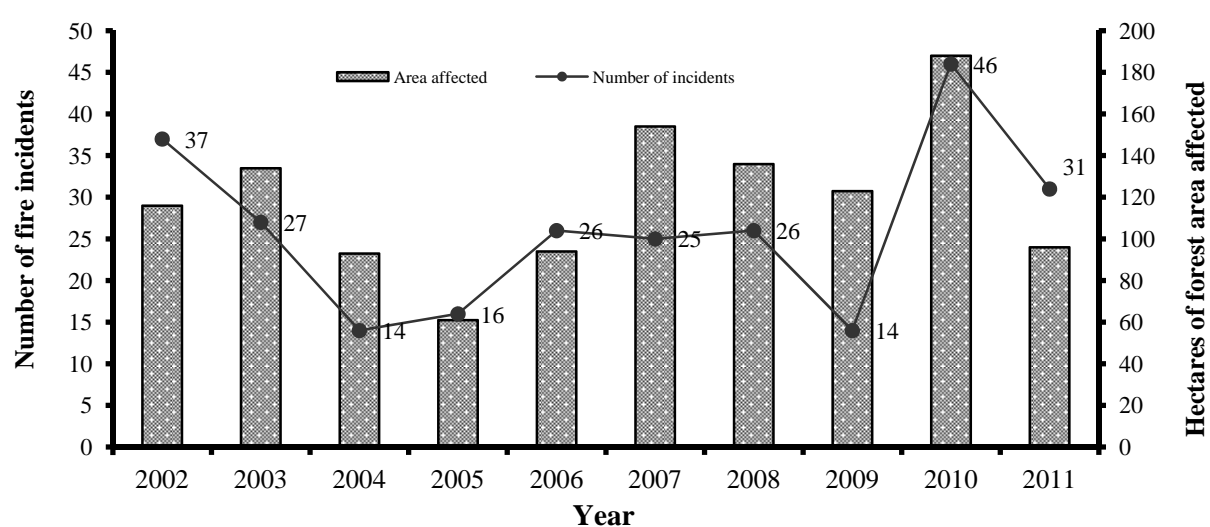
² Roundwood equivalent

³ Excludes plywood, paper and other wood products.

Table 1.4 - Forest fires and area affected, 2002 – 2011

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Number of incidents	37	27	14	16	26	25	26	14	46	31
Area affected (Ha)	116	134	93	61	94	154	136	123	188	96
of which										
<i>Protected areas</i>	44	13	-	4	8	4	1	-	53	10
<i>Unprotected areas</i>	72	121	93	57	86	150	135	123	135	86

Source : Forestry Service, Ministry of Agro Industry and Food Security.

Figure 1 - Forest fires and area affected, 2002 - 2011**Table 1.5 - Silvicultural operations carried out in state forest land plantation, 2002 – 2011**

Type of operation	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Clearing for planting	84	56	97	107	54	56	90	96	37	34
Planting	151	110	110	92	80	50	96	90	55	34
Weeding	490	402	300	282	266	174	195	199	206	165
Recruiting	394	391	298	222	257	208	202	170	209	148
Staking	629	30	15	35	44	214	20	3	14	-
Cleaning	606	744	586	484	331	417	307	239	223	267
Pruning	33	89	46	49	26	5	27	5	5	7

Source : Forestry Service, Ministry of Agro Industry and Food Security.

Table 1.6 - List of land protected areas, Republic of Mauritius, 2011

Land protected areas	Hectares Area
Black River Gorges National Park	6,574
Bras D'Eau National Park	497
Vallee D'Osterlog Endemic Garden	275
Nature reserves (mainland)	225
<i>Pouce</i>	69
<i>Perrier</i>	2
<i>Bois Sec</i>	6
<i>Gouly Pere</i>	11
<i>Corps de Garde</i>	90
<i>Cabinet</i>	18
<i>Les Mares</i>	5
<i>Grande Montagne (Rodrigues)</i>	14
<i>Anse Quitor (Rodrigues)</i>	10
Islet National Park	134
Nature reserves (Islets)	621
<i>Gunner's Quoin</i>	76
<i>Iles aux Aigrettes</i>	25
<i>Iles aux Serpents</i>	31
<i>Flat Island</i>	253
<i>Round Island</i>	169
<i>Gabriel Island</i>	42
<i>Illot Marianne</i>	2
<i>Iles aux Cocos (Rodrigues)</i>	15
<i>Iles aux Sables (Rodrigues)</i>	8
Mountain Reserves (all privately owned)	3,800
River Reserves (all privately owned)	2,740
Nature Reserves (privately owned)	13
<i>Mondrain</i>	5
<i>Sir Emile Series</i>	8
Total	14,879

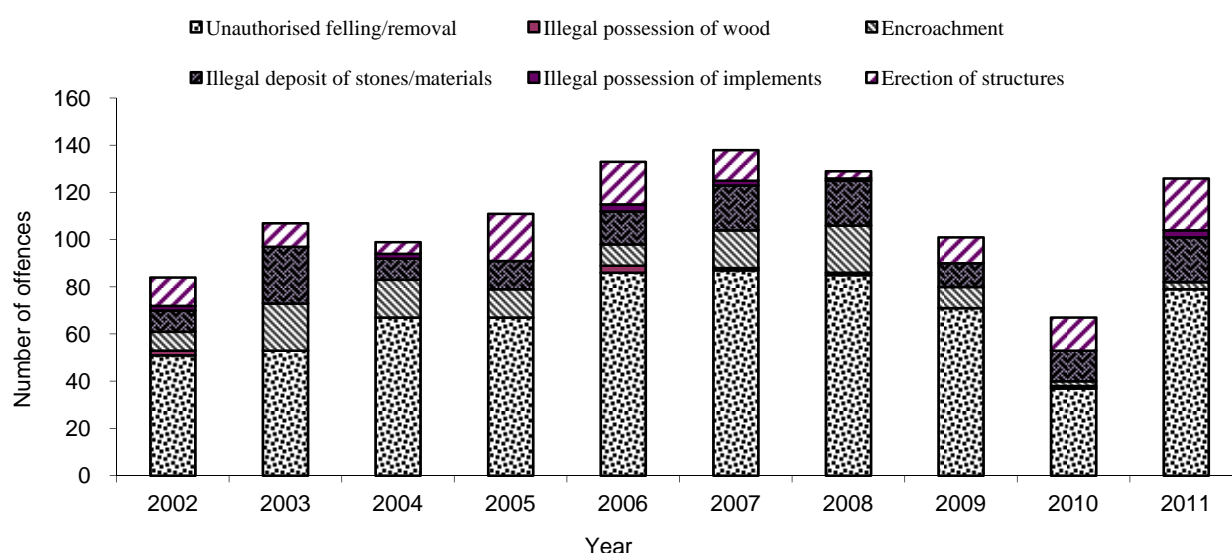
Source : Forestry Service, Ministry of Agro Industry and Food Security.

Table 1.7 - Number of offences detected against forest laws¹ by category, 2002 – 2011

Category	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Unauthorized felling/removal	51	53	67	67	86	87	85	71	37	79
Illegal possession of wood	2	-	-	-	3	1	1	-	1	-
Encroachment	8	20	16	12	9	16	20	9	2	3
Illegal deposit of stones/materials	9	24	9	12	14	19	19	10	13	19
Illegal possession of implements	2	-	2	-	3	2	1	-	-	3
Erection of structures and others	12	10	5	20	18	13	3	11	14	22
Total	84	107	99	111	133	138	129	101	67	126

Source : Forestry Service, Ministry of Agro Industry and Food Security.

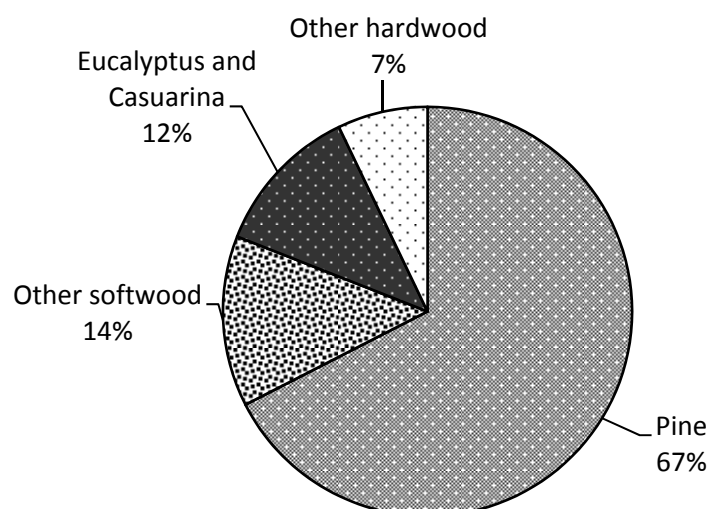
¹include cases taken to court, treated departmentally, outstanding, and in which offenders were unknown.

Figure 2 - Number of offences detected against forest laws by category, 2002 – 2011**Table 1.8 - Forest plantations¹ by type of plants, 2002 – 2011**

Type of plant	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Hectares										
Soft wood										
<i>Pine</i>	8,062	8,113	8,136	8,143	8,162	8,195	8,197	8,197	8,199	8,176
<i>Other softwood</i>	1,609	1,609	1,609	1,612	1,613	1,613	1,617	1,624	1,637	1,637
Hardwood										
<i>Eucalyptus and Casuarina</i>	1,919	1,921	1,450	1,450	1,450	1,443	1,443	1,443	1,443	1,443
<i>Other hardwood</i>	828	839	847	849	849	849	852	859	859	863
Total	12,418	12,482	12,042	12,054	12,074	12,100	12,077	12,123	12,138	12,119

Source : Forestry Service, Ministry of Agro Industry and Food Security.

¹ State land

Figure 3 - Percentage composition of forest plantations, 2011**Table 1.9 - Number of seedlings raised by species at the nurseries of the Forestry Service, 2002 – 2011**

Species	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Pine	300,119	313,293	133,162	222,975	203,594	170,840	256,748	150,216	130,988	80,497
Eucalyptus	47,018	10,000	11,400	12,535	20,950	5,000	7,700	20,500	9,925	9,275
Cryptomoria	14,531	6,265	14,722	8,820	455	1,382	1,688	1,852	4,766	13,777
Casuarina (Filao)	23,198	32,650	6,449	-	5,091	6,000	5,550	8,200	18,810	2,315
Araucaria	47,961	19,291	5,098	1,026	20,578	22,780	21,776	58,641	5,430	3,820
Juniper	818	-	55	-	7	-	423	114	160	265
Other ¹	193,063	231,219	189,397	264,990	279,615	200,578	197,135	267,384	250,149	301,899
Total	626,708	612,718	360,283	510,346	530,290	406,580	491,020	506,907	420,228	411,848

Source : Forestry Service, Ministry of Agro Industry and Food Security.

¹ includes ornamentals and indigenous forest trees.

Figure 4 - Number of seedlings raised by species at the nurseries of the Forestry Service, 2002 - 2011

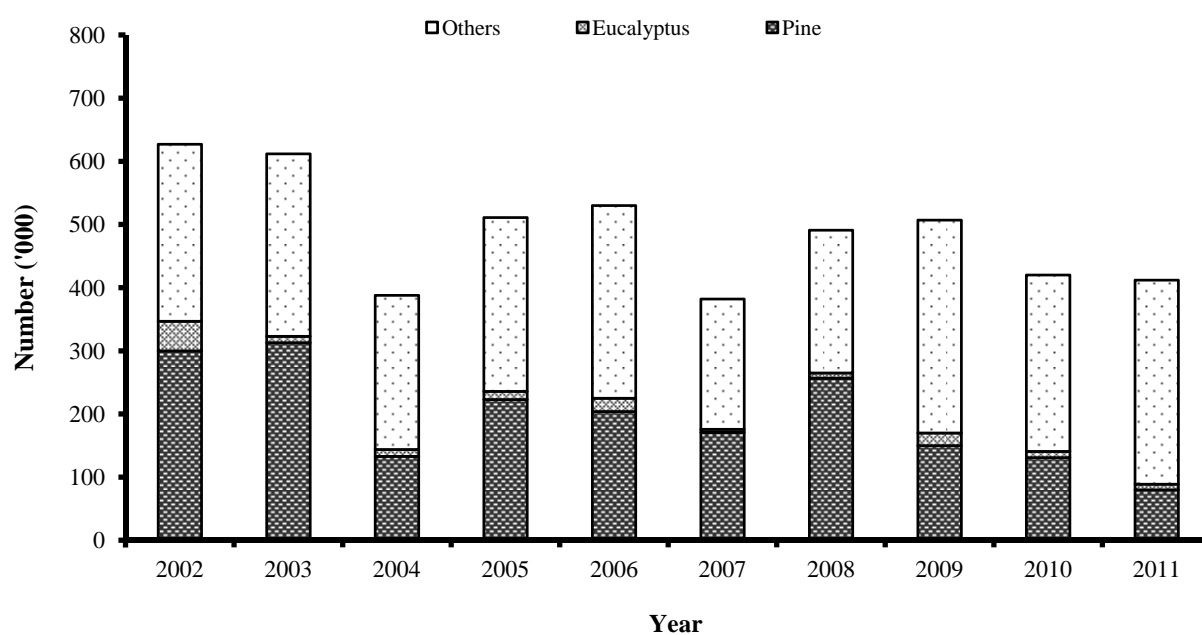
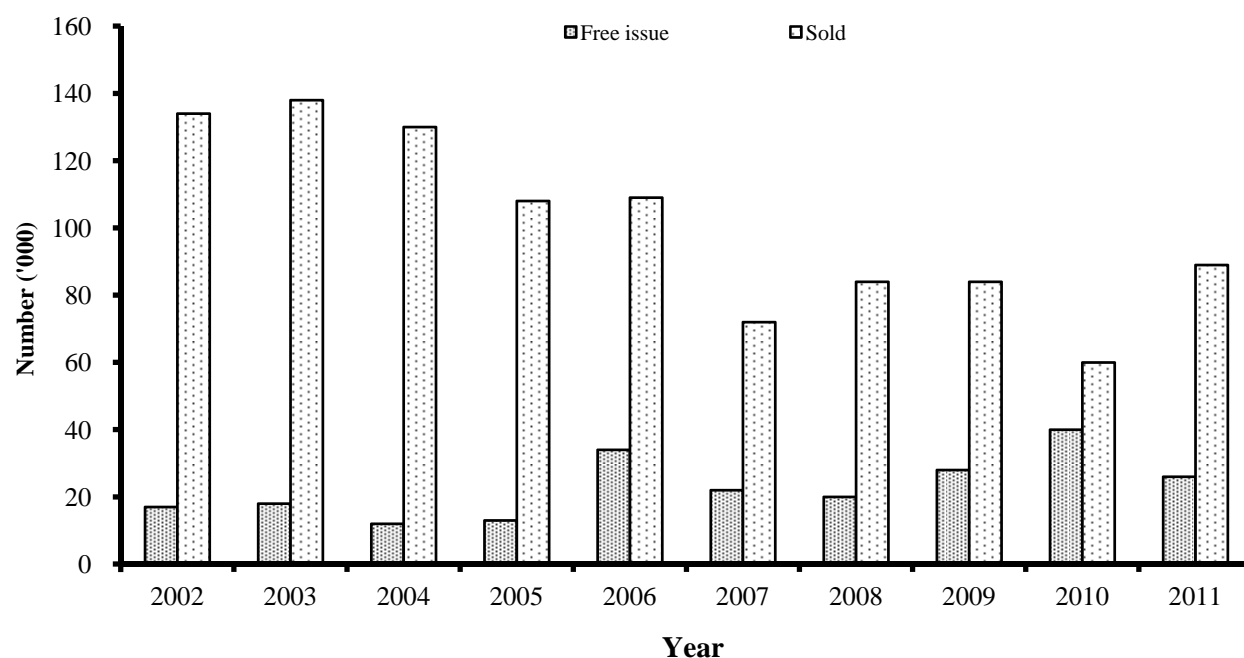


Table 1.10 - Number of plants issued free and sold to the public by the Forestry Service, 2002 – 2011

Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Free issue	16,523	18,181	11,820	13,888	34,476	22,292	20,275	27,546	39,934	26,398
Sold	134,393	138,320	129,768	107,573	108,933	71,779	84,451	83,801	60,425	89,132

Source : Forestry Service, Ministry of Agro Industry and Food Security.

Figure 5 - No. of plants issued free and sold to the public by the Forestry Service, 2002 – 2011

Table 1.11 - Revenue and expenditure¹ of the Forestry Service, 2002 – 2011

Revenue item	Rupees thousand									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Sales of forest produce	7,159	7,494	8,216	8,093	9,122	9,309	9,125	8,923	7,463	9,132
Shooting and fishing rights (Rental & registration)	2,153	3,157	3,357	5,087	4,924	6,802	7,015	7,196	7,287	7,035
Agricultural Lease	-	-	-	-	-	-	3	3	3	3
Horticulture Lease	-	-	-	-	-	24	-	-	-	-
Miscellaneous (Wood exploitation licence)	207	212	213	213	219	198	204	204	213	216
Total revenue	9,519	10,863	11,786	13,393	14,265	16,333	16,344	16,326	14,966	16,386
Total expenditure	128,419	137,738	147,595	148,221	152,851	146,985	155,000	164,668	189,164	170,877

Source : Forestry Service, Ministry of Agro Industry and Food Security.

¹ Total expenditure including both recurrent and capital expenditures.

Table 1.12 - Selling rates of timber by type, class¹ and category², 2002 – 2011

Item	Rupees per cubic metre									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Standing timber (basic royalty)										
Class I	1,810	1,810	1,960	1,960	2,160	2,160	2,160	2,160	2,160	2,380
Class II	1,110	1,110	1,200	1,200	1,320	1,320	1,320	1,320	1,320	1,455
Class III										
<i>Category I</i>	880	880	950	950	1,050	1,050	1,050	1,050	1,050	1,155
<i>Category II</i>	715	715	770	770	850	850	850	850	850	935
Class IV	330	330	360	360	400	400	400	400	400	440
Sound logs at roadside (basic royalty & labour)										
Class I	2,640	2,640	2,850	2,850	3,140	3,140	3,140	3,140	3,140	3,455
Class II	1,950	1,950	2,110	2,110	2,320	2,320	2,320	2,320	2,320	2,555
Class III										
<i>Category I</i>	1,810	1,810	1,960	1,960	2,160	2,160	2,160	2,160	2,160	2,380
<i>Category II</i>	1,530	1,530	1,650	1,650	1,820	1,820	1,820	1,820	1,820	2,005
Class IV	1,190	1,190	1,290	1,290	1,420	1,420	1,420	1,420	1,420	1,565
Sound logs at Curepipe timberstore (basic royalty, labour & transport)										
Class I	3,900	3,900	4,210	4,210	4,630	4,630	4,630	4,630	4,630	5,095
Class II	3,200	3,200	3,460	3,460	3,810	3,810	3,810	3,810	3,810	4,195
Class III										
<i>Category I</i>	2,780	2,780	3,000	3,000	3,300	3,300	3,300	3,300	3,300	3,630
<i>Category II</i>	2,220	2,220	2,400	2,400	2,640	2,640	2,640	2,640	2,640	2,905
Class IV	1,950	1,950	2,110	2,110	2,320	2,320	2,320	2,320	2,320	2,555

Source: Forestry Service, Ministry of Agro Industry and Food Security.

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 – Proportion (%) of households using main fuel for cooking, 2000 and 2011 Housing Censuses, Republic of Mauritius.

	2000	2011
Cooking Gas (LPG)	91.5	97.6
Electricity	0.5	0.3
Wood and Charcoal	4.5	1.9
Kerosene	3.4	0.1

CHAPTER 2

FAUNA

Table 2.1 - Number of small breeders and livestock population by geographical district as at June 2011

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	148	671	620	5,214	26	230	36	956
Riviere du Rempart	232	1,153	616	5,947	46	471	41	557
Flacq	199	659	816	6,353	26	230	83	3,355
Plaines Wilhems	82	627	92	910	5	217	23	955
Moka	88	1,262	55	654	-	-	13	388
Grand Port	101	687	275	2,211	19	130	46	1,723
Savanne	70	527	218	2,026	16	208	28	426
Black River/Port-Louis	102	1,010	357	4,861	11	445	281	14,925
Total	1,022	6,596	3,049	28,176	149	1,931	551	23,285

Source : Agricultural Research and Extension Unit, Ministry of Agro Industry and Food Security.

Table 2.2 - Livestock herd and poultry status by geographical district as at June 2011

District	Cattle						Pig						
	No. of farmers	Cows	Calves	Heifers	Bulls	Total no. of heads	No. of farmers	Boars	Sows	Piglets	Fatteners	Gilts	Total no. of heads
Pamplemousses	148	242	24	161	244	671	36	28	204	208	376	140	956
Riviere du Rempart	232	422	104	199	428	1,153	41	30	101	152	206	68	557
Flacq	199	251	48	203	157	659	83	75	317	675	2,211	77	3,355
Plaines Wilhems	82	233	63	171	160	627	23	23	141	284	476	31	955
Moka	88	612	173	408	69	1,262	13	13	60	127	164	24	388
Grand Port	101	235	27	292	133	687	46	84	309	384	832	114	1,723
Savanne	70	164	83	101	179	527	28	18	63	191	133	21	426
Black River/Port Louis	102	366	110	194	340	1,010	281	238	1,588	3,026	9,967	106	14,925
Total	1,022	2,525	632	1,729	1,710	6,596	551	509	2,783	5,047	14,365	581	23,285

Source: Agricultural Research and Extension Unit, Ministry of Agro Industry and Food Security.

Table 2.2 (cont'd) - Livestock herd and poultry status by geographical district as at June 2011

District	Sheep					Goat					Poultry ¹			
	No. of farmers	Ewes	Ram	Followers	Total no. of heads	No. of farmers	Bucks	Does	Kids	Total no. of heads	No. of farmers	Broilers	No. of farmers	Layers
Pamplemousses	26	65	41	124	230	620	1,116	1,545	2,553	5,214	39	108,775	43	91,800
Riviere du Rempart	46	223	173	73	471	616	1,598	1,879	2,470	5,947	41	91,138	23	53,045
Flacq	26	97	57	76	230	816	1,837	2,097	2,419	6,353	105	102,513	81	36,044
Plaines Wilhems	5	74	72	71	217	92	226	114	570	910	38	129,400	34	80,700
Moka	-	-	-	-	-	55	281	104	269	654	38	105,800	17	35,600
Grand Port	19	51	25	54	130	275	716	458	1,037	2,211	34	31,052	30	16,086
Savanne	16	96	44	68	208	218	742	392	892	2,026	72	546,990	62	122,408
Black River/Port Louis	11	215	104	126	445	357	1,608	1,050	2,203	4,861	31	150,250	22	17,525
Total	149	821	518	592	1,931	3,049	8,124	7,639	12,413	28,176	398	1,265,918	312	453,208

Source : Agricultural Research and Extension Unit, Ministry of Agro-industry and Food Security.

¹ Exclude industrial farms

Table 2.3 - Production of selected agro-industrial products, Republic of Mauritius, 2002 – 2011

Detail	Unit	2002	2003	2004	2005	2006	2007	2008	2009	2010 ¹	2011 ²
Beef ³	tonnes	2,428	2,505	2,456	2,484	2,187	1,847	1,902	2,090	2,194	2,023
Local (including Rodrigues)	"	208	202	137	73	99	90	27	37	88	136
Imported	"	2,221	2,303	2,319	2,411	2,088	1,757	1,875	2,054	2,106	1,887
Goat meat and mutton ³	"	114	107	107	111	99	75	76	77	68	62
Pork ³	"	756	785	743	709	681	511	330	428	623	650
Poultry	"	29,305	30,000	33,000	33,000	36,000	40,000	42,000	44,000	46,600	47,000
Milk	'000 Litres	4,000	4,000	4,000	4,000	4,000	3,500	3,300	3,400	3,600	4,000

¹ Revised² Provisional³ abattoir slaughters only**Table 2.4 - Fish production by type of fishery (in fresh - weight equivalent), 2002 – 2011**

Type of fishery	Type	Tonnes									
		2002	2003	2004	2005	2006	2007	2008 ¹	2009 ¹	2010	2011
Artisanal fishery											
Island of Mauritius	Fresh	1,302	1,166	1,043	947	950	640	682	820	831	892
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	7	6	4	4	2	2	2	-	-	1
Ponds (prawn and fish)	Fresh	39	27	437	374	436	17	62	57	66	60
Marine aquaculture (cage)	Fresh	-	-	-	-	-	150	181	366	498	460
Fish Aggregating Device (FAD Fishery)	Fresh	-	-	-	-	214	164	289	319	330	258
Offshore demersal fishery											
Shallow water banks	Frozen	3,943	3,713	3,216	2,178	3,112	2,848	2,428	2,685	2,137	1,792
Banks deep water snappers	Fresh	5	-	-	-	-	-	324	627	452	295
St Brandon inshore	Frozen & salted	491	578	311	414	235	177	560	437	421	292
Semi - industrial chilled fish	Chilled	204	234	178	223	311	171	173	459	446	180
Tuna fishery	Frozen	219	1,118	1,640	1,402	1,380	803	475	246	306	-
Semi - industrial pelagic fishery	Chilled	45	111	97	177	247	184	41	8	27	90 ²
Demersal trawlers	Frozen	2,113	1,806	1,595	2,584	1,112	-	-	-	-	-
Total		9,318	9,709	9,471	9,253	8,949	6,106	6,167	6,974	6,464	5,270

*Estimated Catch

¹ Revised² Include tuna fishery

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

Table 2.5 - Annual fish catch of the coastal (artisanal) fishery by gear-type, 2002 – 2011

Gear-type	Tonnes									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Basket trap	450.8	492.6	425.3	433.8	343.8	251.2	270.9	257.8	266.5	302.8
Line	429.3	373.4	285.8	288.8	303.7	169.9	178.7	227.2	226.7	185.3
Basket trap and Line	91.8	17.5	54.9	16.8	19.6	16.2	13.9	18.3	27.9	24.9
Large net	183.4	160.6	168.1	121.5	201.1	132.7	143.6	222.9	213.5	280.9
Gill net	25.3	13.6	11.3	8.2	11.3	7.6	6.7	11.3	7.6	23.8
Cast net/Harpoon/on foot	121.1	108.1	97.4	78.2	70.5	62.4	68.2	82.8	89.1	74.3
Total	1,301.7	1,165.8	1,042.8	947.3	950.0	640.0	682.0	820.4	831.4	892.0

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

Table 2.6 - Number of active fishermen by gear-type, 2002 – 2011

Gear-type	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Basket trap	501	473	445	493	275	283	275	279	246	290
Line/Harpoon	734	749	896	789	764	770	795	733	594	766
Basket trap and Line	600	670	736	689	1,111	876	807	862	790	830
Large net	165	177	159	189	149	137	138	133	127	130
Gill net	28	17	20	14	13	12	13	13	13	14
Total	2,028	2,086	2,256	2,174	2,312	2,078	2,028	2,020	1,770	2,030

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

Table 2.7 - Fisherman-days and total catch ¹ from the lagoon and off lagoon, 2002 – 2011

Year	Fisherman-days			Catch (tonnes)
	Lagoon	Off lagoon	Total	
2002	192,116	108,708	300,824	1,302
2003	189,988	83,362	273,350	1,166
2004	195,087	58,516	263,603	1,043
2005	153,771	77,429	231,200	947
2006	145,089	68,961	241,050	950
2007	92,261	51,622	144,883	640
2008	77,719	44,248	112,967	682
2009	83,880	43,463	127,343	820
2010	88,167	40,587	128,754	831
2011	87,632	40,981	128,613	892

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

¹ Coastal (artisanal) fishery

Table 2.8 – Catch per fisherman – day, 2002 – 2011

Year	Kilogram		
	Lagoon	Off - lagoon	Mean
2002	3.7	5.5	4.3
2003	3.7	5.5	4.3
2004	3.6	5.0	4.2
2005	3.5	5.2	4.1
2006	4.0	5.4	4.4
2007	3.8	5.5	4.4
2008	4.7	7.1	5.6
2009	5.9	7.5	6.4
2010	5.8	7.8	6.5
2011	6.3	8.2	6.9

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

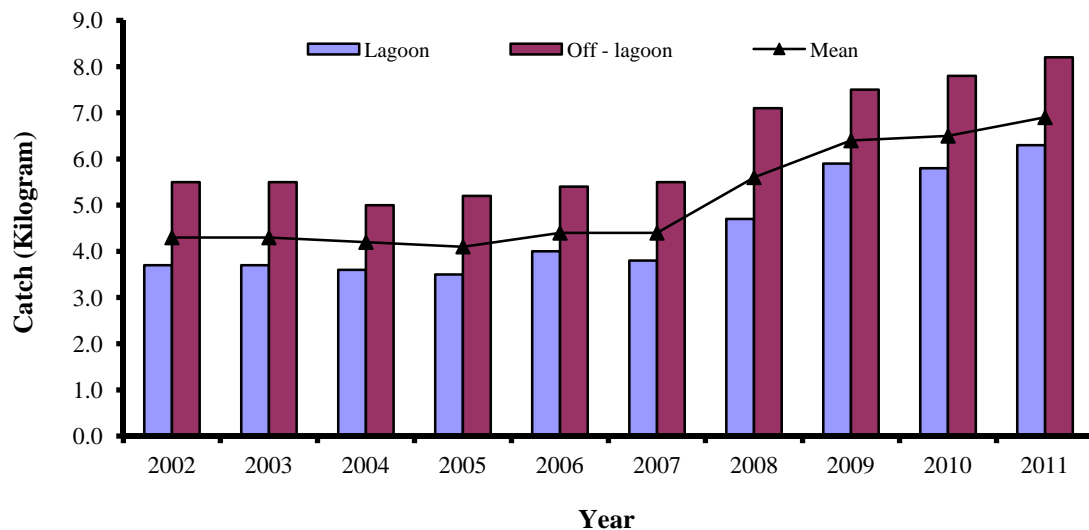
Figure 6 - Catch per fisherman-day, 2002 – 2011

Table 2.9 - Average price of fresh fish and other sea food, 2002 – 2011

Species	Rupees per kilogram									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Homard	475	480	495	515	550	600	680	690	750	825
Crab and crevette	295	285	275	290	275	320	320	355	365	435
Vieille rouge	185	180	190	215	230	255	275	290	300	320
Vacoas, sacrechien	150	150	160	160	175	175	210	245	260	270
Capitaine	145	140	155	170	170	180	200	220	235	245
Dame berry	135	130	140	150	170	170	190	210	230	245
Octopus	100	100	105	125	130	135	150	160	170	175
Carangue	110	100	115	115	120	130	150	155	165	170
Cordonier	85	90	100	105	115	120	140	145	155	155
Rouget, tuna	80	85	90	95	110	115	136	150	160	165
Mulet voile	75	80	85	95	100	105	130	140	145	155
Bordemar	80	85	100	95	90	110	135	140	150	150
Licorne	95	95	100	115	115	125	150	160	165	170
Cateaux	70	75	75	70	85	90	105	110	120	120
Other fish	45	40	55	50	65	75	50	60	90	95
Shark	35	55	45	45	50	50	50	60	65	65

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

Table 2.10 - Annual catch by banks, 2002 – 2011

Year	Tonnes ¹					
	Saya de Malha	Nazareth	St. Brandon ²	Chagos	Albatros ³	Total catch
2002	2,090	918	375	223	161	3,767
2003	2,355	469	510	235	172	3,741
2004	1,693	881	359	124	117	3,174
2005	1,028	578	344	-	163	2,113
2006	1,645	777	292	136	177	3,027
2007	1,513	732	140	130	74	2,589
2008	978	760	454	-	129	2,321
2009	1,835	237	390	161	-	2,623
2010	731	741	366	-	-	1,838
2011	908	858	292	-	26	2,084

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

¹ Product weight = Brought frozen without offals

² St Brandon includes frozen, salted and chilled fish product weight

³ Albatross include catch by banks and catch from St Brandon

Table 2.11 - Import, export and trade balance of fish and fish products, 2002 – 2011

Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Imports										
Quantity (tonnes)	87,335	63,515	81,315	104,830	150,728	129,085	113,608	139,342	155,000	161,684
Value (Rupees million)	3,984.7	2,540.4	3,186.6	4,261.2	6,720.9	7,068.0	8,457.4	7,108.3	7,810.0	9,212.0
Exports										
Quantity (tonnes)	49,558	50,329	54,241	67,249	79,707	86,170	66,205	87,938	107,740	89,657
Value (Rupees million)	4,078.6	3,167.3	3,358.1	4,842.1	7,120.4	8,172.8	8,015.2	9,041.2	10,118.0	9,592.0
Trade Balance (Rupees million)	93.9	624.9	171.5	580.9	395.5	1,104.8	-532.2	1,932.9	2,308.0	380.0

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

Table 2.12 - Total number and type of fishing vessels calling at Port Louis, 2002 – 2011

Type/category	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Tuna long liners and squid vessels	448	392	419	628	708	561	428	465	469	488
Purse seiners (foreign)	-	2	2	8	9	13	14	30	20	34
Reefers	39	42	33	32	48	62	83	72	65	55
Trawlers	22	20	20	13	13	8	15	12	19	13
Hand liners	108	179	217	190	179	137	176	168	152	161
Long liners (Ice cod fish sp.) (Patagonian tooth fish vessel)	44	51	24	19	21	18	25	21	18	22
Others, unspecified vessels	2	2	3	4	1	1	3	4	9	13
Total	663	688	718	894	979	800	744	772	752	786

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

Table 2.13 - Per capita consumption of fish and fish preparations, 2002 – 2011

	Kilogram/year
Year	Quantity
2002	20.04
2003	18.69
2004	19.32
2005	17.90
2006	19.98
2007	19.67
2008	21.25
2009	20.79
2010	21.70
2011 ¹	21.00

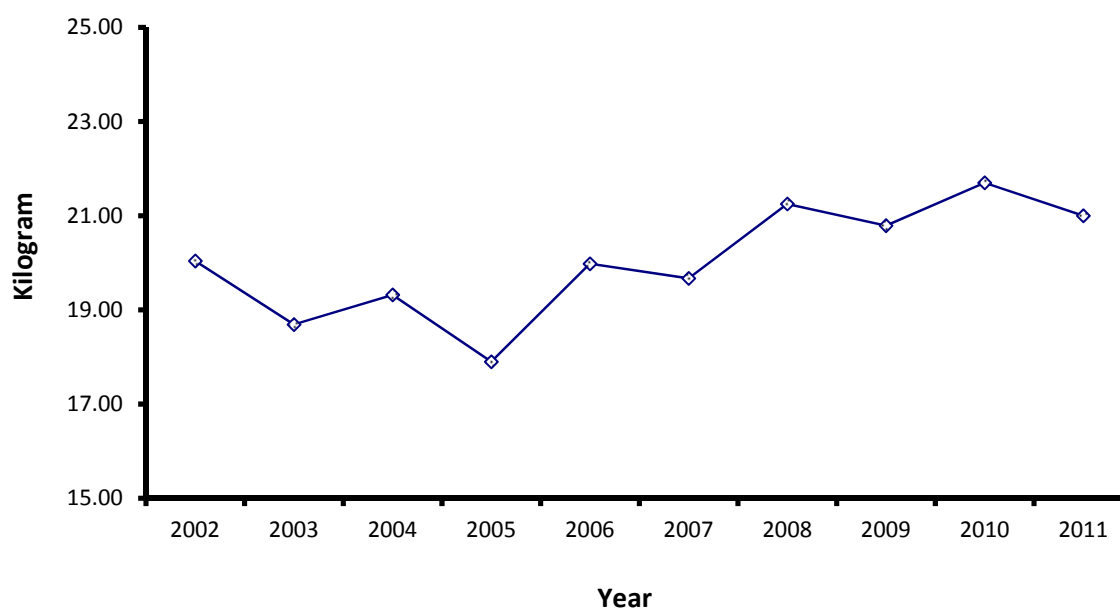
¹ Estimate**Figure 7 - Per capita consumption of fish and fish preparations, 2002 – 2011**

Table 2.14 - Cases of poisoning ¹ by noxious fish and shellfish, venomous animals and toxic plants, 2002 – 2011

Year	General hospital discharges due to accidental poisoning by noxious fish and shellfish			General hospital discharges due to venomous animals and plants as the cause of poisoning and toxic reactions		
	Male	Female	Total	Male	Female	Total
2002	12	14	26	71	22	93
2003	40	39	79	109	50	159
2004	19	31	50	176	46	222
2005	24	36	60	137	56	193
2006	21	25	46	167	120	287
2007	18	14	32	112	38	150
2008	20	19	39	77	39	116
2009	14	18	32	82	27	109
2010	15	24	39	130	39	169
2011	20	40	60	157	50	207

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

¹ Cases treated as in - patients in Government General Hospitals

Table 2.15 - List of fishable areas, Republic of Mauritius

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 2.16 - Percentage of substrate cover at various monitoring stations, 2009 – 2010

Site		Year	Coral	Algae	Abiotic ¹	Other ²
Baie du Tombeau	Back reef	2009	27	15	58	n.o
		2010	34	20	46	n.o
Le Goulet	Fore reef	2009	29	5	60	6
		2010	29	46	19	6
Ile aux Benitiers	Fore reef	2009	13	3	82	2
		2010	17	2	79	2
	Back reef	2009	3	12	85	n.o
		2010	1	5	94	n.o
	Shore reef	2009	<1	46	54	n.o
		2010	1	72	27	n.o
Bel Ombre	Back reef	2009	22	57	21	n.o
		2010	20	59	26	3
	Shore reef	2009	41	2	57	n.o
		2010	18	3	79	n.o
Bambous Virieux	Back reef	2009	55	22	22	1
		2010	51	4	44	1
	Shore reef	2009	26	36	37	1
		2010	26	49	24	1
Trou D'Eau Douce	Back reef	2009	10	40	49	1
		2010	20	49	31	n.o
	Shore reef	2009	20	49	31	n.o
		2010	13	24	63	n.o
Trou Aux Biches	Fore reef	2009	n.m	n.m	n.m	n.m
		2010	19	28	51	2
	Back reef	2009	31	4	65	n.o
		2010	21	14	65	n.o
Pointe Aux Sables	Fore reef	2009	12	16	73	n.o
		2010	7	12	80	1
	Back reef	2009	2	<1	93	n.o
		2010	1	6	92	n.o
Albion	Fore reef	2009	18	1	73	8
		2010	nm	nm	nm	nm
	Back reef	2009	1	14	84	2
		2010	9	4	86	1
Belle Mare (Site I)	Back reef	2009	52	26	22	n.o
		2010	56	26	18	n.o
Belle Mare (Site II)	Back reef	2009	47	11	43	n.o
		2010	47	13	38	2

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

¹ Rocks, sand, dead corals etc. ² Sponges, crown of thorns (starfish), sea urchins etc ; n.o: Not observed n.m: Not monitored

Table 2.17 - Percentage of substrate cover at various monitoring stations, 2010 – 2011

Site	Year	Coral	Algae	Abiotic ¹	Other ²	
Anse La Raie	Back reef	2010	18	45	37	n.o
		2011	0.33	3.33	94.59	1.75
	Shore reef	2010	0	28	72	n.o
		2011	2.84	11.24	85.92	n.m
Pointe Aux Sables	Back reef	2010	1	6	92	1
		2011	0.5	3.33	94.42	1.7
Poudre D'Or Site I	Back reef	2010	2	46	51	1
		2011	3	37	60	n.m
Poudre D'Or Site II	Back reef	2010	0	6	94	n.o
		2011	0	6.3	93.7	n.m

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

¹ Rocks, sand, dead corals etc. ² Sponges, crown of thorns (starfish), sea urchins etc ; n.o: Not observed n.m: Not monitored

Table 2.18 - List of Marine Protected Areas, 2011

Marine protected areas	Hectares
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
Total	7,216

Source: Albion Fisheries Research Centre, Ministry of Fisheries.

CHAPTER 3

ATMOSPHERE

Table 3.1 - Monthly mean maximum temperature, 2002 – 2011

YEAR	Degrees celcius																							
	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
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
2003	30.3	1.0	29.9	0.6	29.5	0.5	28.7	0.6	27.2	0.6	24.8	-0.3	23.3	-0.9	23.9	-0.2	24.9	-0.1	26.8	0.6	28.2	0.2	30.0	1.0
2004	29.5	-0.1	30.2	0.7	29.6	0.4	28.1	-0.2	25.8	-1.1	24.2	-1.0	24.5	0.2	24.8	0.4	25.8	0.7	26.8	0.4	27.9	-0.1	28.7	-0.3
2005	30.5	0.9	29.9	0.5	29.5	0.4	29.1	0.8	26.7	-0.1	25.1	0.0	24.1	-0.1	24.3	-0.1	24.7	-0.5	25.8	-0.6	27.3	-0.7	29.3	0.2
2006	29.6	0.0	29.4	0.1	29.1	-0.1	28.9	0.7	27.6	0.8	25.7	0.6	24.4	0.1	24.3	0.0	25.4	0.3	26.5	0.1	28.6	0.6	30.3	1.3
2007	30.3	0.7	29.8	0.4	29.2	0.0	28.6	0.4	27.5	0.7	25.2	0.0	25.1	0.9	24.9	0.6	25.7	0.5	26.2	-0.3	28.4	0.4	29.9	0.8
2008	29.5	0.0	29.4	0.0	28.7	-0.5	29.0	0.8	27.0	0.2	24.6	-0.6	24.0	-0.2	24.7	0.4	25.5	0.4	26.6	0.2	28.7	0.7	30.0	0.9
2009	30.9	1.4	30.3	0.9	29.7	0.5	28.9	0.6	27.5	0.7	26.2	1.1	24.2	0.0	24.3	0.0	25.4	0.2	26.8	0.4	27.7	-0.3	29.6	0.6
2010	29.9	0.4	30.5	1.1	29.9	0.7	29.2	0.9	28.0	1.1	26.5	1.3	24.7	0.5	24.6	0.3	25.8	0.6	27.3	0.9	28.1	0.1	29.7	0.7
2011	30.1	0.6	30.0	0.6	29.7	0.5	29.2	0.9	28.0	1.2	26.6	1.4	25.3	1.0	24.7	0.4	25.8	0.6	27.0	0.6	29.1	1.1	29.1	0.1

Source: Meteorological Services

Table 3.2 - Monthly mean minimum temperature, 2002 – 2011

YEAR	Degrees Celcius																							
	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
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
2003	22.7	0.9	22.4	0.4	22.3	0.4	22.2	1.4	21.1	2.2	17.2	-0.1	17.1	0.4	16.8	0.4	18.3	1.5	18.8	0.8	20.0	0.7	21.7	0.8
2004	22.5	0.6	23.4	1.2	23.1	1.2	21.5	0.5	19.2	0.2	17.4	0.0	17.7	1.0	17.9	1.3	18.0	1.1	18.4	0.4	20.1	0.7	21.5	0.6
2005	23.1	1.1	22.8	0.6	22.6	0.8	21.4	0.5	20.2	1.1	17.9	0.5	17.3	0.5	16.9	0.2	18.1	1.2	17.9	-0.1	19.3	0.0	21.0	0.0
2006	22.3	0.4	22.8	0.6	23.1	1.3	21.6	0.6	18.9	-0.1	18.8	1.4	17.4	0.7	16.8	0.2	17.6	0.7	18.5	0.5	20.6	1.2	22.4	1.5
2007	23.5	1.5	23.5	1.3	22.2	0.4	21.9	1.0	20.1	1.0	17.7	0.3	17.7	1.0	17.1	0.4	17.7	0.8	18.8	0.8	19.9	0.5	21.9	1.0
2008	22.6	0.6	22.8	0.6	21.9	0.1	20.9	0.0	19.3	0.3	18.0	0.6	16.8	0.1	17.8	1.2	18.8	1.9	19.5	1.5	20.6	1.3	21.8	0.9
2009	22.8	0.8	23.3	1.1	22.7	0.9	22.6	1.7	20.0	0.9	18.6	1.2	17.8	1.0	17.5	0.9	17.6	0.7	19.2	1.2	20.6	1.3	22.0	1.0
2010	22.9	1.0	23.4	1.1	23.1	1.3	21.5	0.5	20.9	1.8	19.1	1.7	17.3	0.6	17.0	0.4	17.0	0.1	19.0	1.0	19.6	0.2	20.8	-0.1
2011	22.1	0.2	23.3	1.1	22.4	0.6	21.8	0.8	19.4	0.4	19.1	1.7	17.5	0.8	17.4	0.8	17.6	0.7	18.7	0.7	20.5	1.2	21.9	0.9

Source: Meteorological Services

Table 3.3 - Monthly mean values of humidity (%) with extremes for the year 2011

Region	Station		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
West	Medine	2011	80	81	80	78	79	78	75	77	76	75	77	77
		Highest Maximum	97	100	100	98	97	96	96	98	97	96	96	96
		Lowest Minimum	47	50	47	48	40	44	42	42	34	40	46	45
		LTM ¹ (1986 - 2000)	79	82	80	79	78	78	77	76	75	76	77	78
North	Pamplemousses	2011	78	84	82	82	85	80	81	83	79	77	77	80
		Highest Maximum	95	94	94	94	96	96	96	96	96	96	96	96
		Lowest Minimum	47	61	60	62	57	53	42	50	45	44	45	48
		LTM (1971 - 2000)	80	84	83	83	82	82	81	80	78	77	77	80
East	FUEL	2011	75	76	75	76	81	87	86	86	84	82	84	85
		Highest Maximum	90	82	87	82	99	100	100	100	98	98	96	96
		Lowest Minimum	54	63	60	64	63	65	62	66	60	51	60	56
		LTM (1981 - 2000)	84	87	84	85	83	81	82	82	82	82	81	83
South	Plaisance	2011	77	81	80	79	79	76	73	76	73	72	75	79
		Highest Maximum	94	97	98	94	96	95	94	95	92	95	96	98
		Lowest Minimum	57	58	60	56	49	53	41	54	48	47	47	53
		LTM (1981 - 2000)	82	84	84	84	82	79	78	78	78	78	78	80
Centre	Vacoas	2011	84	88	85	88	84	83	81	84	81	79	79	83
		Highest Maximum	99	99	99	98	99	98	99	97	98	99	96	98
		Lowest Minimum	50	53	59	56	58	52	47	54	53	29	51	51
		LTM (1971 - 2000)	81	84	84	84	82	82	82	81	80	80	79	81

¹ LTM: Long Term Mean

Source : Meteorological Services

Table 3.4 - Monthly total hours of sunshine by region and station, 2002 – 2011

													Hours
Region : North, Station : Pamplemousses													
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEARLY TOTAL
Year													
2002	198	248	221	239	176	236	193	265	249	270	244	201	2,740
2003	213	181	230	162	219	237	190	264	250	272	218	287	2,723
2004	215	223	242	227	226	245	241	247	241	252	253	169	2,781
2005	279	143	175	271	212	256	209	267	241	257	240	275	2,825
2006	273	240	211	245	243	250	248	255	240	274	239	283	3,001
2007	187	156	219	236	225	187	240	239	256	236	290	285	2,756
2008	234	204	217	266	216	211	234	230	218	269	246	262	2,807
2009	248	193	218	201	248	239	216	216	229	258	248	232	2,746
2010	200	230	199	273	233	199	216	233	214	268	245	314	2,824
2011	237	190	237	236	252	252	248	233	256	288	273	195	2,897
Mean 1971-2000	250	217	235	223	236	223	237	238	225	255	261	248	2,848
Region: East, Station: Fuel													
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEARLY TOTAL
Year													
2002	200	241	192	204	129	177	134	186	210	241	217	145	2,276
2003	208	195	217	121	143	193	132	212	175	237	215	261	2,309
2004	197	217	207	193	194	195	182	214	195	231	193	161	2,379
2005	267	145	188	253	165	185	175	225	182	210	212	271	2,478
2006	251	207	186	219	232	195	192	195	215	200	195	215	2,502
2007	135	129	201	182	188	151	193	178	204	165	243	249	2,218
2008	176	165	177	224	181	173	205	169	158	227	201	235	2,291
2009	247	193	183	165	197	204	173	167	202	203	185	234	2,353
2010	172	183	172	235	189	185	196	196	167	224	243	289	2,451
2011	215	169	206	186	228	178	201	156	227	196	266	142	2,370
Mean 1971-2000	216	186	209	179	194	183	188	188	190	210	220	217	2,380
Region : West, Station : Medine													
Year													
2002	213	219	226	199	179	241	199	242	222	233	224	191	2,588
2003	227	186	206	135	203	233	164	249	219	267	206	263	2,558
2004	206	216	249	229	238	251	224	212	227	257	239	202	2,750
2005	300	198	198	270	223	221	205	256	219	262	254	277	2,883
2006	246	212	222	217	258	251	249	236	224	254	205	251	2,825
2007	185	176	224	228	227	188	250	250	252	222	269	259	2,730
2008	208	195	229	253	223	197	239	197	201	254	242	252	2,690
2009	257	198	195	201	235	238	204	225	225	211	248	233	2,670
2010	206	230	235	261	266	233	224	220	231	284	270	287	2,947
2011	221	214	251	234	257	229	253	206	253	271	252	206	2,847
Mean 1981-2000	233	206	228	214	236	218	230	228	216	237	234	236	2,716

Table 3.4 (Cont'd) - Monthly total hours of sunshine by region and station, 2002 – 2011

Region : Centre, Station : Vacoas													
2002	184	223	208	209	160	212	181	230	236	249	241	196	2,529
2003	215	165	230	129	193	227	169	230	195	251	218	270	2,492
2004	189	185	214	207	210	208	202	217	206	236	239	178	2,491
2005	289	148	167	245	208	225	200	235	212	237	216	258	2,640
2006	268	203	200	227	238	229	218	220	225	265	229	281	2,803
2007	185	155	213	218	219	205	245	239	240	232	272	288	2,711
2008	230	194	220	259	221	184	226	214	227	269	222	260	2,726
2009	229	199	226	206	236	237	204	199	221	221	229	220	2,627
2010	164	213	190	267	237	227	213	205	194	254	238	280	2,682
2011	209	178	212	225	224	219	229	207	225	272	223	181	2,604
Mean 1971-2000	226	194	225	206	228	216	225	222	219	237	236	223	2,657

Source : Meteorological Services

Table 3.4 (cont'd) - Monthly total hours of sunshine by region and station, 2002 – 2011

Region : South , Station : Plaisance													Hours
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEARLY TOTAL
Year													
2002	239	258	192	211	149	184	150	183	225	219	253	191	2,452
2003	218	201	239	147	171	195	119	199	174	276	251	304	2,494
2004	282	222	202	193	179	173	175	194	203	237	226	172	2,458
2005	259	154	175	240	162	165	148	225	182	213	208	286	2,417
2006	155	218	186	222	231	208	213	199	222	240	231	262	2,587
2007	155	165	218	188	184	137	186	167	219	198	286	293	2,396
2008	233	222	213	248	186	155	184	165	184	249	256	297	2,592
2009	281	197	216	156	184	194	143	162	222	216	221	256	2,448
2010	204	195	187	247	213	191	184	175	179	241	274	326	2,616
2011	257	200	234	234	216	183	187	193	226	234	266	212	2,642
Mean 1971-1990	247	205	218	191	197	177	179	188	199	237	253	251	2,542

Source : Meteorological Services

Table 3.5 - Ambient air quality monitoring near industrial sites by mobile stations, 2011

Region	Period	Pollutant ¹	Unit ²	Readings		Standard for Ambient air quality ³ (Average)
				Minimum	Maximum	
Coromandel	Feb 2011 - Apr 2011	Dust (TSP)	$\mu\text{g}/\text{m}^3$	11.40	286.80	150 (24 hour)
		Dust (PM ₁₀)		83.40	177.70	100 (24 hour)
Souillac	Apr 2011 - May 2011	Dust (TSP)	$\mu\text{g}/\text{m}^3$	15.70	30.10	150 (24 hour)
		Dust (PM ₁₀)		n.m	n.m	100 (24 hour)
Cassis	Aug 2011 - Sept 2011	Dust (TSP)	$\mu\text{g}/\text{m}^3$	20.81	76.10	150 (24 hour)
		Dust (PM ₁₀)		n.m	n.m	100 (24 hour)
Midlands	Aug 2011 - Oct 2011	Dust (TSP)	$\mu\text{g}/\text{m}^3$	5.67	53.90	150 (24 hour)
		Dust (PM ₁₀)		4.05	36.50	100 (24 hour)
Forest Side	Oct 2011	Dust (TSP)	$\mu\text{g}/\text{m}^3$	10.80	30.50	150 (24 hour)
		Dust (PM ₁₀)		n.m	n.m	100 (24 hour)
Beau Champ	Nov 2011 - Dec 2011	Dust (TSP)	$\mu\text{g}/\text{m}^3$	12.40	48.70	150 (24 hour)
		Dust (PM ₁₀)		n.m	n.m	100 (24 hour)
La Tour Koenig	Feb 2011 - Apr 2011	Sulphur Dioxide	ppb	0.00	95.00	122 (1 hour)
		Nitrogen Dioxide		0.00	34.00	70 (24 hour)
		carbon Monoxide	ppm	n.m	n.m	98 (24 hour)
				0.04	1.00	20 (1 hour)
Balaclava	May 2011	carbon Monoxide	ppm	0.04	0.80	8 (8 hours)
				0.00	0.90	8 (8 hours)
		Sulphur Dioxide	ppb	3.50	19.50	122 (1 hour)
		Nitrogen Dioxide		4.00	6.50	70 (24 hour)
Baie du Tombeau	Jun 2011 - Aug 2011	carbon Monoxide	ppm	n.m	n.m	98 (24 hour)
				0.00	1.00	20 (1 hour)
		Sulphur Dioxide	ppb	0.00	123.00	122 (1 hour)
		Nitrogen Dioxide		1.00	52.50	70 (24 hour)
Midlands	Aug 2011 - Oct 2011	carbon Monoxide	ppm	0.10	2.20	20 (1 hour)
				0.20	1.35	8 (8 hours)
		Sulphur Dioxide	ppb	0.00	3.36	122 (1 hour)
		Nitrogen Dioxide		0.00	1.05	70 (24 hour)
Belle Vue	Oct 2011	carbon Monoxide	ppm	0.17	1.35	98 (24 hour)
				0.16	1.02	20 (1 hour)
		Sulphur Dioxide	ppb	< 1	< 1	8 (8 hours)
		Nitrogen Dioxide		0.00	56.90	122 (1 hour)
Beau Champ	Nov 2011 - Dec 2011	carbon Monoxide	ppm	0.00	25.60	70 (24 hour)
				0.00	0.00	20 (1 hour)
		Sulphur Dioxide	ppb	0.00	0.00	8 (8 hours)
		Nitrogen Dioxide		0.00	8.40	98 (24 hour)
Beau Champ	Nov 2011 - Dec 2011	carbon Monoxide	ppm	0.00	27.04	122 (1 hour)
				0.17	5.13	70 (24 hour)
		Sulphur Dioxide	ppb	0.35	4.56	98 (24 hour)
		Nitrogen Dioxide		0.00	1.59	20 (1 hour)
		< 1	< 1	8 (8 hours)		

¹ TSP stands for Total Suspended Particles n.m: not monitored

PM₁₀ stands for Particles Matter of size less or equal to 10 microns

² ppb stands for Parts Per Billion

ppm stands for Parts per Million

³ Based on existing national standards

Source: Ministry of Environment and Sustainable Development

Table 3.6 - Total emissions and removals of greenhouse gases and other related gases, Republic of Mauritius, 2002 – 2011

Greenhouse gas	Gg or thousand tonnes									
	2002	2003	2004	2005	2006	2007	2008	2009	2010 ¹	2011 ²
Emissions										
Carbon dioxide	2,647.9	2,783.5	2,795.7	2,996	3,348.9	3,449.6	3,487.1	3,367.6	3,666.5	3,640.8
Methane	27.8	28.9	27.8	29.8	33.7	35.6	37.3	21.3	39.7	38.5
Oxide of Nitrogen	14.5	15.1	15.2	15.4	16.6	16.6	18.1	17.5	18.1	18.1
Nitrous Oxide	1.5	1.5	1.5	1.3	1.2	1.3	1.1	1.0	1.1	1.1
Carbon Monoxide	62.9	65.7	66.9	66.4	64.8	65.4	66.6	64.0	67.4	67.4
NMVO ³	18.5	17.5	16.5	18.3	17.7	17.1	16.5	17.6	19.6	21.1
Sulphur Dioxide	9.2	12.5	9.7	9.6	11.4	10.9	11.1	11.2	12.5	13.3
Removals										
Carbon dioxide	239.5	237.9	223.7	223.7	193.2	224.0	300.0	293.0	291.6	289.6
Net emissions										
Carbon Dioxide	2,408.4	2,545.6	2,572.0	2,772.3	3,155.6	3,225.6	3,187.1	3,074.6	3,375.0	3,351.1

¹ Revised² Provisional³ Non – methane volatile organic compound

Table 3.7 - Sectoral carbon dioxide emissions from fuel combustion activities, Republic of Mauritius, 2002 – 2011

Sector	Gg or thousand tonnes									
	2002	2003	2004	2005	2006	2007	2008	2009	2010 ¹	2011 ²
Energy industries (electricity)	1,325.9	1,418.3	1,430.5	1,615.2	1,912.5	2,067.9	2,032.0	1,997.0	2,224.3	2,205.8
Manufacturing industries	385.5	386.4	362.3	346.3	404.9	400.3	456.0	351.6	352.1	336.6
Transport	760.0	793.2	807.1	833.7	843.7	800.1	813.0	844.8	912.0	922.1
Residential	141.8	145.9	154.2	158.5	136.7	130.6	131.0	122.8	135.6	133.5
Other ³	32.2	37.3	39.7	40.3	49.0	49.3	53.8	49.1	40.4	41.5
Total	2,645.4	2,781.1	2,793.8	2,994.0	3,346.8	3,448.2	3,485.8	3,365.3	3,664.4	3,639.5

¹ Revised² Provisional³ includes Agriculture and Trade

Table 3.8 – Percentage share of carbon dioxide emissions from fuel combustion activities, Republic of Mauritius, 2002 – 2011

Sector	%									
	2002	2003	2004	2005	2006	2007	2008	2009	2010 ¹	2011 ²
Energy industries (electricity)	50.1	51.0	51.2	53.9	57.1	60.0	58.3	59.4	60.7	60.6
Manufacturing industries	14.6	13.9	13.0	11.6	12.1	11.6	13.1	10.4	9.6	9.2
Transport	28.7	28.5	28.9	27.8	25.2	23.2	23.3	25.1	24.9	25.3
Residential	5.4	5.2	5.5	5.3	4.1	3.8	3.8	3.6	3.7	3.7
Other ³	1.2	1.3	1.4	1.3	1.5	1.4	1.5	1.5	1.1	1.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

¹ Revised² Provisional³ includes Agriculture and Trade

Table 3.9 - National inventory of greenhouse gas emissions and removals by source categories, Republic of Mauritius, 2010¹ – 2011²

Gg or thousand tonnes

	Carbon dioxide(CO ₂)				Methane		Nitrous oxide		Oxides of		Carbon monoxide		NMVOC ³		Sulphur dioxide	
	Emissions		Removals		(CH ₄)		(N ₂ O)		nitrogen (NO _x)		(CO)		(SO ₂)			
	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011
1. Energy	3,664.35	3,639.37	-	-	0.63	0.62	0.08	0.08	18.13	18.05	67.39	67.36	10.05	10.19	12.49	13.27
Fuel combustion activities																
(a) Energy industries (electricity)	2,224.28	2,205.80	-	-	0.30	0.29	0.06	0.06	7.47	7.37	9.03	8.87	0.55	0.54	6.43	6.31
(b) Manufacturing industries	352.06	336.55	-	-	0.08	0.08	0.01	0.01	1.18	1.12	8.27	7.61	0.13	0.13	3.80	3.68
(c) Transport	912.02	922.11	-	-	0.14	0.14	0.01	0.01	9.17	9.26	48.56	49.35	9.20	9.35	2.14	3.16
(d) Other sectors	175.99	174.91	-	-	0.11	0.11	0.00	0.00	0.31	0.30	1.53	1.53	0.17	0.17	0.12	0.12
2. Industrial processes	2.18	1.38	-	-	-	-	-	-	-	-	-	-	9.58	10.92	-	-
3. Solvent and other product use	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. Agriculture	-	-	-	-	1.01	0.99	1.00	1.00	-	-	-	-	-	-	-	-
5. Land use change and forestry	-	-	291.57	289.62	-	-	-	-	-	-	-	-	-	-	-	-
6. Waste ⁴	-	-	-	-	38.10	36.90	-	-	-	-	-	-	-	-	-	-
Total	3,666.53	3,640.75	291.57	289.62	39.74	38.51	1.08	1.08	18.13	18.05	67.39	67.36	19.63	21.11	12.49	13.27

¹ Revised

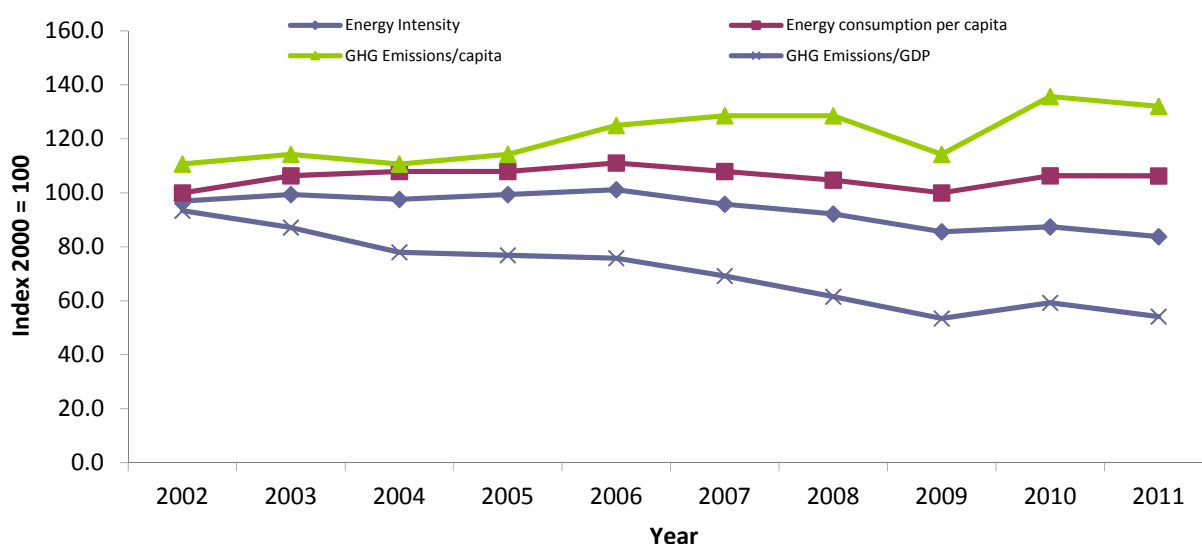
² Provisional

³ Non - methane volatile organic compound

⁴ Exclude waste water

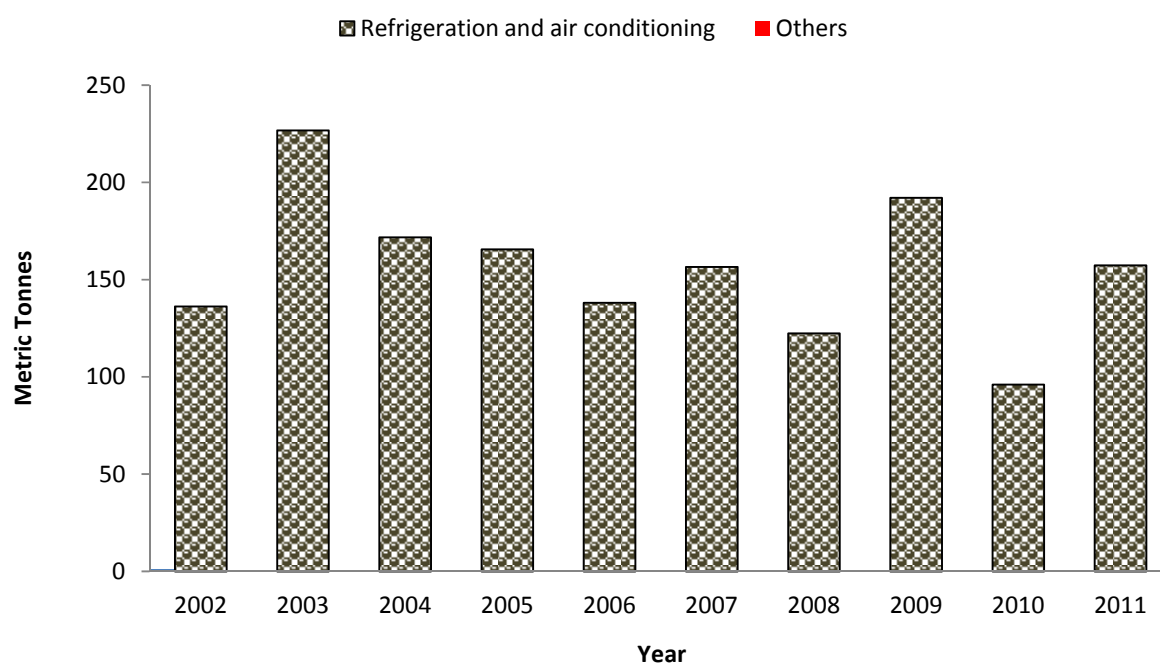
Table 3.10 – Trend in Energy intensity index, Energy consumption index per capita, GHG Emission index per capita and GHG Emission index per GDP, 2002 – 2011

Base Year 2000 = 100										
YEAR	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Energy Intensity	97.0	99.4	97.6	99.4	101.2	95.8	92.2	85.6	87.4	83.8
Energy consumption per capita	100.0	106.3	107.9	107.9	111.1	107.9	104.8	100.0	106.3	106.3
GHG Emissions/capita	110.7	114.3	110.7	114.3	125.0	128.6	128.6	114.3	135.7	132.1
GHG Emissions/GDP	93.4	87.2	78.0	76.9	75.8	69.2	61.5	53.5	59.3	54.2

Figure 8 – Trend in Energy intensity index, Energy consumption index per capita, GHG Emission index per capita and GHG Emission index per GDP, 2002 – 2011**Table 3.11 - Consumption of controlled ozone-depleting substances by sector, 2002 – 2011**

Sector	Metric Tonnes									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Process agent	-	-	-	0.03	-	-	-	-	-	-
Refrigeration and air conditioning	136.30	226.80	171.85	165.64	139.13	156.62	122.48	192.12	96.13	157.40
Solvent	0.02	0.03	0.02	-	-	-	-	-	-	-
Methyl bromide	-	-	-	-	-	-	0.50	-	-	-
Total	136.32	226.83	171.87	165.67	139.13	156.62	122.98	192.12	96.13	157.40

Source : Ministry of Environment and Sustainable Development .

Figure 9 - Consumption of controlled ozone-depleting substances by sector, 2002-2011**Table 3.12 - Consumption of controlled ozone-depleting substances by type of substances, 2002– 2011**

Type of substances	Metric Tonnes									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Chlorofluorocarbon (CFC's)	7.40	4.07	3.40	-	1.00	-	-	-	-	-
Carbon tetrachloride	0.02	0.03	0.02	0.03	-	-	-	-	-	-
Hydrochlorofluorocarbon (HCFC's)	128.90	222.73	168.45	165.64	138.13	156.62	122.98	192.12	96.13	157.40
Total	136.32	226.83	171.87	165.67	139.13	156.62	122.98	192.12	96.13	157.40

Source : Ministry of Environment and Sustainable Development.

Figure 10 - Consumption of controlled ozone-depleting substances by type of substances, 2002 - 2011

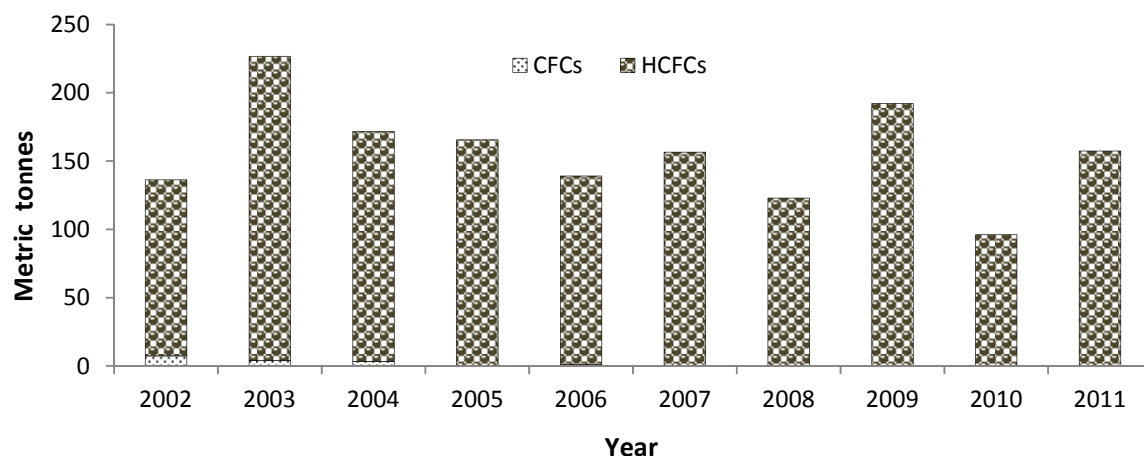


Table 3.13 - Health services (as at 31st December) Republic of Mauritius, 2002 – 2011

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Number
Hospitals											
Regional hospitals	5	5	5	5	5	5	5	5	5	5	5
District hospitals	3	3	3	3	3	3	3	3	3	3	3
Specialised hospitals (Psychiatric, chest, eye and ENT) ¹	4	4	4	4	4	4	4	4	4	4	4
Cardiac Centre	1	1	1	1	1	1	1	1	1	1	1
Mediclinics	2	2	2	2	2	2	2	2	2	2	2
Area health centres ²	27	27	27	27	27	27	24	24	24	24	24
Health centres with beds (Island of Rodrigues)	2	2	2	2	2	2	2	2	2	2	2
Community health centres ²	122	122	125	126	127	128	127	127	127	127	127
Dispensaries											
Private dispensaries on sugar estates	19	18	17	15	13	12	11	10	10	10	10
Clinics											
Dental (including oral surgery and orthodontics)	43	44	46	50	50	50	54	56	57	58	58
Day care centre for HIV Patient	1	1	1	1	1	1	1	1	2	4	4
Private ³	12	12	12	12	13	13	17	19	17	17	17
Public mobile dental	1	1	2	2	2	2	3	3	3	3	3
Health offices	14	14	14	14	14	14	14	14	14	14	14

¹ The ENT centre is administratively attached to Victoria Hospital ² Including Dr. Y. Cantin and Long Mountain Community Hospital

³ Private clinics with in-patient service, including private hospitals

Table 3.14 - Respiratory diseases registered in government hospitals, 2002 – 2011

Year	Number											
	General hospital discharges ¹ (including deaths)			First attendances ¹ at regional health centres			Discharges (including deaths) at P D'Or chest hospital			New cases diagnosed at specialist clinics in chest diseases		
	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes
2002	5,337	5,105	10,442	193,393	204,064	397,457	391	139	530	766	564	1,330
2003	5,335	4,883	10,218	190,477	206,008	396,485	350	139	489	447	395	842
2004	4,984	5,008	9,992	178,608	189,064	367,672	354	141	495	522	459	981
2005	4,914	4,845	9,759	183,640	197,766	381,406	332	117	449	546	597	1,143
2006	5,783	5,348	11,151	181,462	194,913	376,375	332	136	468	547	478	1,025
2007	6,687	5,907	12,594	184,487	198,061	382,548	405	144	549	487	428	915
2008	7,127	6,770	13,897	212,454	229,970	442,424	435	147	582	350	267	617
2009	8,311	7,903	16,216	247,318	270,233	517,551	469	204	673	340	317	657
2010	7,727	7,469	15,196	223,242	244,812	468,054	816	365	1,181	422	388	810
2011	8,082	8,005	16,087	210,612	230,452	441,064	755	425	1,180	400	347	747

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

Table 3.15 - Cases of asthma treated as in-patients in government hospitals, 2002 – 2011

Year	In-Patients			Number
	Male	Female	Total	
2002	1,573	1,667	3,240	
2003	1,538	1,735	3,273	
2004	1,453	1,689	3,142	
2005	1,507	1,668	3,175	
2006	1,613	1,577	3,190	
2007	1,650	1,693	3,343	
2008	1,299	1,469	2,768	
2009	1,282	1,387	2,669	
2010	1,211	1,354	2,565	
2011	1,238	1,518	2,756	

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

Table 3.16 - Deaths registered due to asthma, 2002 – 2011

Year	Deaths			Number
	Male	Female	Total	
2002	105	61	166	
2003	97	99	196	
2004	75	64	139	
2005	104	75	179	
2006	101	65	166	
2007	86	68	154	
2008	80	72	152	
2009	105	79	184	
2010	61	86	147	
2011	60	55	115	

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

Table 3.17 - Cases of asthma treated as in-patients in government hospitals by age group and sex, 2010 – 2011

Age group (years)	Number of cases					
	Male		Female		Total	
	2010	2011	2010	2011	2010	2011
Less than one year	6	10	6	6	12	16
1 - 4	203	173	80	98	283	271
5 - 9	258	207	132	149	390	356
10 - 14	92	116	64	80	156	196
15 - 19	33	41	51	51	84	92
20 - 24	14	30	34	40	48	70
25 - 29	21	30	38	36	59	66
30 - 34	21	29	34	40	55	69
35 - 39	22	39	45	53	67	92
40 - 44	25	41	74	82	99	123
45 - 49	47	60	95	99	142	159
50 - 54	33	63	92	113	125	176
55 - 59	78	62	111	145	189	207
60 - 64	93	83	115	137	208	220
65 - 69	58	79	65	106	123	185
70 - 74	64	64	101	100	165	164
75 - 79	64	43	102	85	166	128
80 - 84	49	31	69	47	118	78
85 and over	30	37	46	51	76	88
Total	1,211	1,238	1,354	1,518	2,565	2,756

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

Table 3.18 - Deaths registered due to asthma by age group and sex, 2010 – 2011

Age group (years)	Number of cases					
	Male		Female		Total	
	2010	2011	2010	2011	2010	2011
Less than one year	-	-	-	-	-	-
1 - 4	-	1	-	3	-	4
5 - 9	-	-	2	-	2	-
10 - 14	-	-	-	-	-	-
15 - 19	1	-	-	1	1	1
20 - 24	1	1	-	1	1	2
25 - 29	1	1	2	-	3	1
30 - 34	-	-	1	1	1	1
35 - 39	1	1	2	1	3	2
40 - 44	-	-	2	2	2	2
45 - 49	2	-	5	2	7	2
50 - 54	3	2	3	4	6	6
55 - 59	5	5	4	3	9	8
60 - 64	4	5	4	2	8	7
65 - 69	6	7	10	4	16	11
70 - 74	9	4	9	5	18	9
75 - 79	10	18	8	5	18	23
80 - 84	8	2	12	9	20	11
85 and over	10	13	22	12	32	25
Total	61	60	86	55	147	115

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

CHAPTER 4

WATER

Table 4.1 - Monthly rainfall, averaged over all sugar zones, 2002 – 2011

		Millimetres									
MONTH	YEAR	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
January	Mean	573.1	118.4	416.2	139.0	352.9	325.7	233.8	227.5	339.4	271.2
	<i>Difference from Normal</i>	+ 323.7	- 131.0	+ 166.8	-110.4	+103.5	+76.3	-15.6	-21.9	+90.0	21.8
February	Mean	99.0	331.3	305.1	401.3	331.5	535.3	224.2	265.0	359.8	324.0
	<i>Difference from Normal</i>	-216.0	+ 16.3	-9.9	+ 86.3	+16.5	+220.3	-90.8	-50.0	+44.8	9.0
March	Mean	224.0	207.3	211.7	688.7	434.4	162.2	470.0	345.8	289.1	359.0
	<i>Difference from Normal</i>	17.7	+1.0	+5.4	+ 482.4	+228.1	-44.1	+263.7	139.5	+82.8	152.7
April	Mean	135.4	444.8	282.6	114.8	85.4	105.2	50.2	221.6	142.5	64.6
	<i>Difference from Normal</i>	-63.6	+ 245.8	+83.6	-84.2	-113.6	-93.8	-148.8	+22.6	-56.5	-134.4
May	Mean	141.1	191.0	161.1	109.1	52.8	137.6	276.7	172.1	116.9	116.4
	<i>Difference from Normal</i>	8.9	+ 58.8	+28.9	-23.1	-79.4	+5.4	+144.5	+39.9	-15.3	-15.8
June	Mean	127.6	117.4	111.2	134.3	95.4	136.4	151.5	92.6	52.1	146.0
	<i>Difference from Normal</i>	+ 34.5	+24.3	+18.1	+41.2	+2.3	+43.3	+58.4	-0.5	-41.0	52.9
July	Mean	139.9	175.2	85.6	158.0	156.4	108.7	108.7	126.8	137.6	88.6
	<i>Difference from Normal</i>	+45.6	+80.9	- 8.7	+63.7	+62.1	+14.4	+14.4	+32.5	+43.3	-5.7
August	Mean	111.9	92.4	39.8	91.7	81.2	53.8	67.8	122.3	132.8	164.7
	<i>Difference from Normal</i>	+ 17.5	- 2.0	- 54.6	-2.7	-13.2	-40.6	-26.6	+27.9	+38.4	70.3
September	Mean	37.1	130.4	118.2	207.6	63.1	62.7	330.8	65.8	53.6	39.9
	<i>Difference from Normal</i>	-24.2	+69.1	+56.9	+146.3	+1.8	+1.4	+269.5	+4.5	-7.7	-21.4
October	Mean	60.4	29.7	29.5	55.8	51.1	90.3	51.7	213.6	37.2	44.9
	<i>Difference from Normal</i>	-0.8	- 31.5	- 31.7	-5.4	-10.1	+29.1	-9.5	+152.4	-24.0	-16.3
November	Mean	34.4	81.1	124.8	38.3	77.0	43.6	147.0	180.0	81.4	53.2
	<i>Difference from Normal</i>	-34.7	+ 12.0	+ 55.7	-30.8	+7.9	-25.5	+77.9	+101.9	+12.3	-15.9
December	Mean	222.4	54.0	168.8	69.5	42.1	53.7	79.4	202.7	12.9	191.9
	<i>Difference from Normal</i>	+ 41.2	- 127.2	- 12.4	- 111.9	-139.1	-127.5	-101.8	+21.5	-168.3	10.7
Total Year	Mean	1,906.3	1,973.0	2,054.6	2,207.9	1,823.3	1,814.8	2,191.8	2,235.8	1,755.3	1,864.4
	<i>Difference from Normal</i>	+150	+216.7	+298.3	+451.6	+67.0	+58.5	+435.5	+479.5	-1.0	108.1

Source : Meteorological Services

Figure 11 - Rainfall difference from normal, 2011

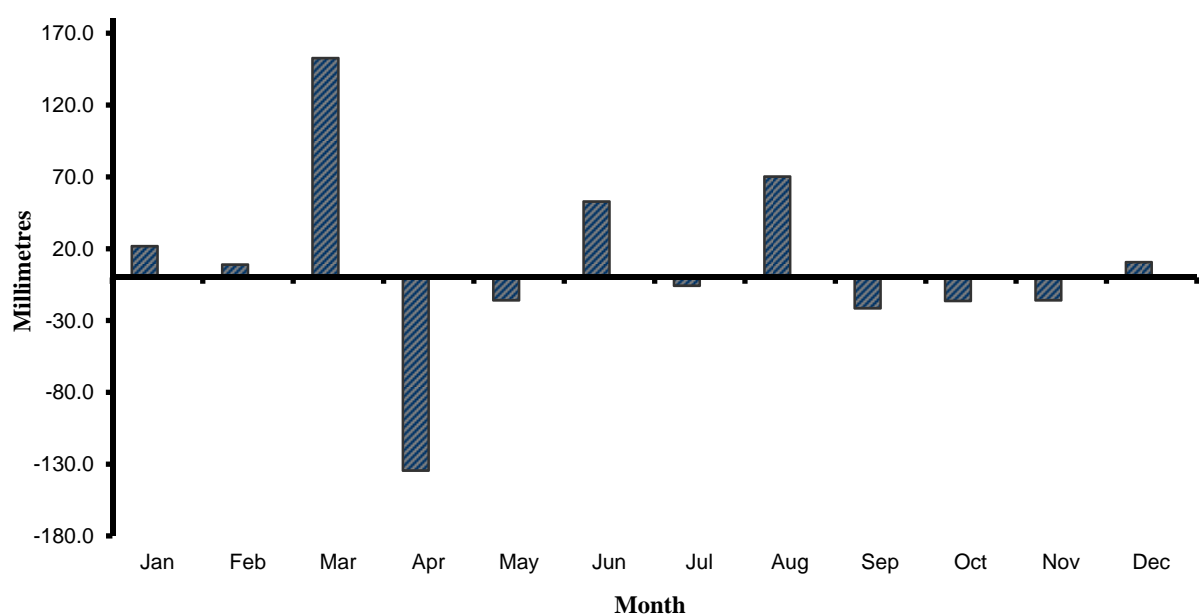


Table 4.2 - Yearly rainfall by region, 2002 – 2011

		Millimetres									
REGION	YEAR	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
North	Mean	1,040.0	1,201.3	1,350.8	1,404.1	1,348.9	1,072.0	1,609.9	1,667.7	1,006.9	1,428.8
	<i>Difference from Normal</i>	-254.3	-93.0	+ 56.5	+ 109.8	+54.6	-222.3	+315.6	+373.4	-287.4	134.5
South	Mean	2,314.0	2,285.4	2,288.3	2,670.7	2,076.5	2,215.7	2,553.3	2,548.5	2,237.6	2,026.2
	<i>Difference from Normal</i>	-6.2	-34.8	-31.9	+ 350.5	-243.7	-104.5	+233.1	+228.3	-82.6	-294.0
East	Mean	2,303.9	2,622.4	2,692.9	2,774.9	2,226.2	2,125.2	2,578.1	2,699.1	2,346.8	2,356.9
	<i>Difference from Normal</i>	-9.6	+ 308.9	+ 379.4	+ 461.4	-87.3	-188.3	+264.6	+385.6	+33.3	43.4
West	Mean	1,357.7	975.2	949.3	1,097.8	750.9	966.5	1,106.7	1,233.9	601.1	1,030.3
	<i>Difference from Normal</i>	+ 529.0	+ 146.5	+ 120.6	+ 269.1	-77.8	+137.8	+278.0	+405.2	-227.6	201.6
Centre	Mean	2,105.6	1,995.7	2,262.6	2,134.9	1,988.0	2,179.5	2,320.4	2,244.1	1,461.8	1,828.5
	<i>Difference from Normal</i>	+ 80.9	-29.0	+ 237.9	+110.2	-36.7	+154.8	+295.7	+219.4	-562.9	-196.2
Island	Mean	1,906.3	1,973.1	2,054.6	2,207.9	1,823.3	1,814.8	2,191.8	2,235.8	1,753.3	1,864.4
	<i>Difference from Normal</i>	+150.0	+ 216.7	+ 298.3	+ 451.6	+67.0	+58.5	+435.5	+479.5	-3.0	108.1

Source : Meteorological Services

Table 4.3 - Water balance, 2002 – 2011

	Mm ³									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Rainfall	3,764	4,284	3,890	4,801	3,571	3,644	4,440	4,470	3,368	3,627
Surface runoff	2,259	2,571	2,334	2,881	2,143	2,186	2,664	2,682	2,021	2,176
Evapotranspiration	1,129	1,285	1,667	1,440	1,071	1,093	1,332	1,341	1,010	1,088
Net recharge to groundwater	376	428	389	480	357	364	444	447	337	363

Source: Water Resources Unit, Ministry of Energy and Public Utilities

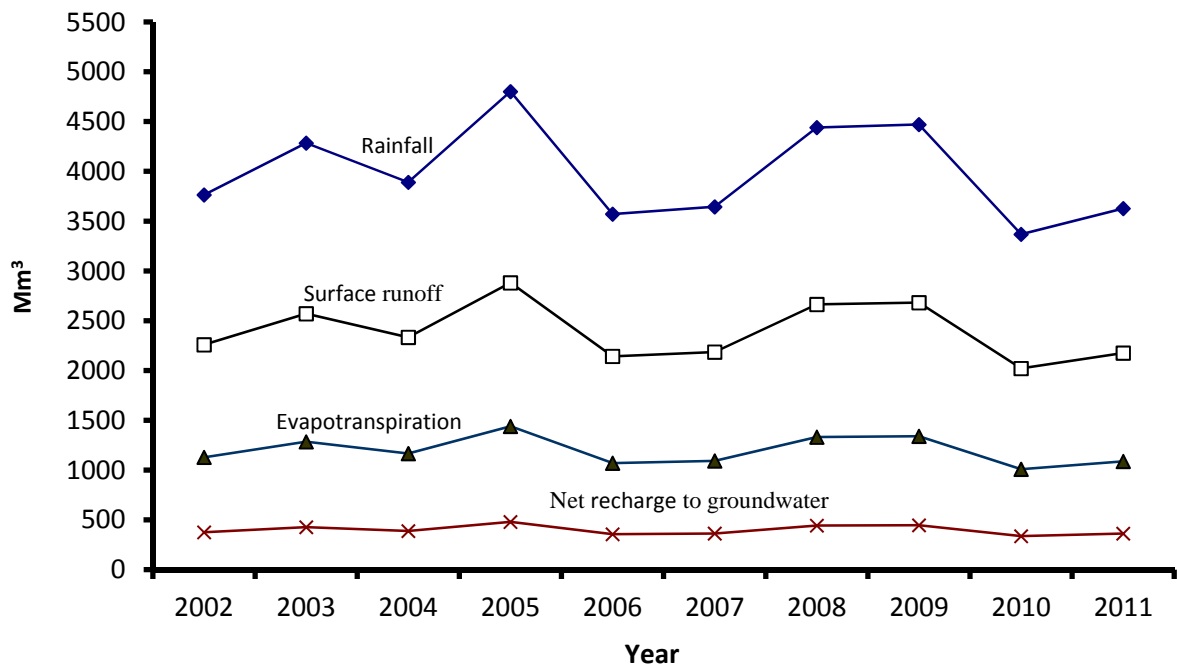
Figure 12 - Water balance, 2002 – 2011

Table 4.4 - Water utilisation, 2010 – 2011

Mm³

Use	2010				2011			
	Surface water		Ground water	Total	Surface water		Ground water	Total
	River-run offtakes	Storage			River-run offtakes	Storage		
Domestic, Industrial ¹ and Tourism	36 ³	74	113	223	35 ³	59	111	205
Industrial ²	5	-	5	10	5	-	5	10
Agricultural	320	78 ⁴	6	404	305	45 ⁴	6	356
Hydropower	147	151 ⁵	-	298	113	68 ⁵	-	181
Overall utilisation	508	303	124	935	458	172	122	752
Total water mobilisation	488	238	124	850	437	148	122	707

Source: Water Resources Unit, Ministry of Energy and Public Utilities

¹ used through CWA ² used by water right owners and ground water licensees³ Includes water used by Redit hydropower station⁴ Includes water used by Tamarind Falls & Magenta hydropower station⁵ Includes water used by Le Val & Ferney and Tamarind Falls & Magenta hydropower station

Figure 13 - Water utilisation, 2011

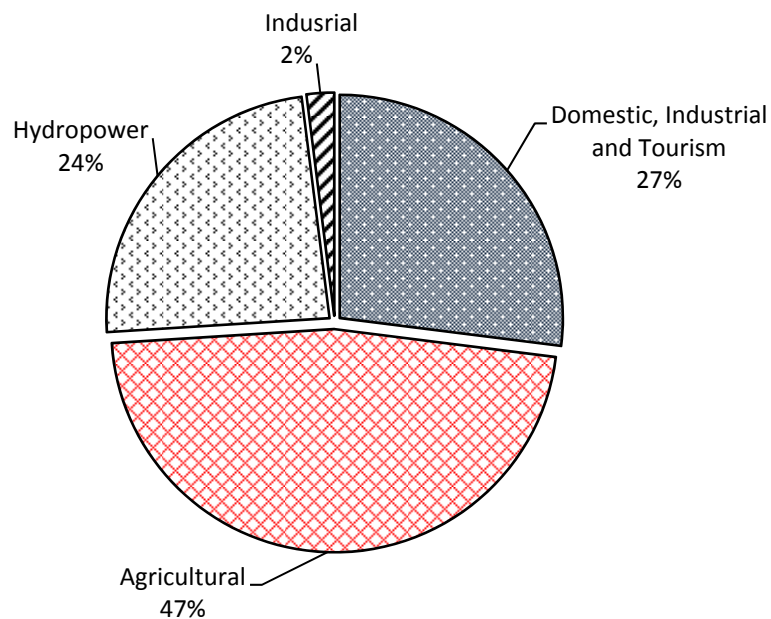


Table 4.5 - Fresh water abstractions¹ by source, 2002 - 2011²Mm³

Source	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Surface water	578	577	575	541	528	518	497	511	513	449
<i>Reservoirs</i>	128	169	167	154	146	145	137	150	152	104
<i>Rivers and streams</i>	450	408	408	387	382	373	360	361	361	345
Ground water	148	148	150	150	154	112	119	121	124	122
Total	726	725	725	691	682	630	616	632	637	571

Source: Water Resources Unit, Ministry of Energy and 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 - Fresh water abstractions¹ by sector, 2002 - 2011²**Mm³

Sector	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Gross fresh surface water abstraction	578	577	575	541	528	518	497	511	513	449
<i>Water supply industry (Central Water Authority)</i>	88	110	110	99	100	102	107	112	110	94
Manufacturing	-	-	-	-	5	5	5	5	5	5
<i>Agriculture, forestry and fishing</i>	490	467	465	442	423	411	385	394	398	350
Gross ground water abstraction	148	148	150	150	154	112	119	121	124	122
<i>Water supply industry (Central Water Authority)</i>	114	114	114	115	116	99	107	111	113	111
Manufacturing	10	10	11	11	13	6	6	5	5	5
<i>Agriculture, forestry and fishing</i>	24	24	25	24	25	7	6	5	6	6
Total	726	725	725	691	682	630	616	632	637	571

Source: Water Resources Unit, Ministry of Energy and 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 4.7 - 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	Domestic	Domestic, Irrigation and Industrial	Domestic	Hydro - power and irrigation	Irrigation	Hydro - power and irrigation	Hydro - power	Hydro - power	Domestic, Irrigation and Industrial
Total capacity (Mm ³)	25.89	5.26	2.99	6.28	11.52	2.30	4.10	4.30	25.50
Full reservoir level , m (a.m.s.l) ¹	566.35	249.02	438.00	576.91	146.00	492.36	355.00	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 Energy and Public Utilities

¹a.m.s.l: above mean sea level

Table 4.8 - Gross storage capacity of reservoirs**Mm³**

Reservoir	Gross capacity
Mare aux Vacoas ¹	25.89
Mare Longue	6.28
La Ferme ¹	11.52
Piton du Milieu ¹	2.99
La Nicoliere ¹	5.26
Tamarind Falls	2.3
Eau Bleue	4.1
Diamamove	4.3
Dagotiere	0.6
Valetta	2.0
Midlands Dam	25.5
Total Storage Capacity	90.7

Source: Water Resources Unit, Ministry of Energy and Public Utilities

¹ Based on hydrographic survey of 1997

Table 4.9 - Percentage water level by month and reservoir, 2011

																					Mm ³
																					All reservoirs (excl Midlands Dam)
Mare aux Vacoas			La Nicoliere			Piton du Milieu			La Ferme			Mare Longue			Midlands Dam						
Month	Capacity																				
	25.89 Mm ³			5.26 Mm ³			2.99 Mm ³			11.52 Mm ³			6.28 Mm ³			25.5 Mm ³			51.94 Mm ³		
	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max
Jan	37	34	41	56	48	78	34	30	43	41	38	47	31	29	38	37	33	41	39	36	44
Feb	41	37	44	95	81	100	69	44	98	64	49	82	50	38	62	49	39	59	54	45	63
Mar	46	42	49	98	91	100	99	99	100	95	83	100	72	62	80	72	59	82	68	62	72
Apr	46	42	49	99	90	100	95	88	99	98	93	100	82	81	83	84	82	86	70	66	72
May	39	36	42	70	49	87	82	76	88	90	83	94	85	83	86	87	86	88	61	56	65
Jun	34	33	35	53	39	72	74	72	76	81	79	83	87	85	90	83	81	86	55	52	56
Jul	32	31	33	76	73	81	72	71	74	72	66	79	91	89	92	79	79	81	55	53	56
Aug	35	31	36	92	73	100	85	73	92	64	61	66	98	93	100	87	80	92	58	53	60
Sep	35	33	36	89	66	100	90	87	92	58	54	61	99	98	99	94	92	95	56	52	59
Oct	32	30	33	59	49	63	83	77	86	49	45	54	96	90	98	93	88	96	49	47	52
Nov	28	26	30	65	62	67	70	63	77	40	36	45	82	75	89	80	72	87	43	40	46
Dec	27	26	27	73	66	84	65	57	70	33	31	36	71	66	76	72	66	78	40	39	41

Table 4.10 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2011

Mm³

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	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface (%)	Borehole (%)
Jan	3.1	0.4	3.5	-	2.2	2.2	1.7	1.2	2.9	2.1	1.9	4.0	0.6	1.3	1.9	0.7	1.7	2.4	8.2	8.7	16.9	48.5%	51.5%
Feb	2.3	0.6	2.9	-	2.4	2.4	1.6	1.2	2.8	1.9	1.8	3.7	0.7	1.4	2.1	0.6	1.7	2.3	7.1	9.1	16.2	43.8%	56.2%
Mar	2.6	0.6	3.2	-	2.8	2.8	1.8	1.2	3.0	2.1	2.1	4.2	0.7	1.7	2.4	0.9	2.0	2.9	8.1	10.4	18.5	43.8%	56.2%
Apr	2.9	0.5	3.4	-	2.6	2.6	1.8	1.2	3.0	2.3	2.2	4.5	0.7	1.5	2.2	0.9	1.8	2.7	8.6	9.8	18.4	46.7%	53.3%
May	2.5	0.5	3.0	-	2.6	2.6	1.9	1.2	3.1	2.3	2.1	4.4	0.8	1.5	2.3	0.8	1.8	2.6	8.3	9.7	18.0	46.1%	53.9%
Jun	1.9	0.5	2.4	-	2.4	2.4	1.7	1.0	2.7	2.0	2.0	4.0	0.8	1.3	2.1	0.7	1.7	2.4	7.1	8.9	16.0	44.4%	55.6%
Jul	2.0	0.5	2.5	-	2.4	2.4	1.9	0.9	2.8	2.0	2.1	4.1	0.9	1.7	2.6	0.7	1.8	2.5	7.5	8.4	15.9	47.2%	52.8%
Aug	2.2	0.5	2.7	-	2.5	2.5	1.9	0.9	2.8	2.2	2.0	4.2	0.8	1.6	2.4	0.7	1.7	2.4	7.8	9.2	17.0	45.9%	54.1%
Sep	1.9	0.5	2.4	-	2.6	2.6	1.8	1.1	2.9	2.2	1.9	4.1	0.8	1.5	2.3	0.7	1.6	2.3	7.4	9.2	16.6	44.6%	55.4%
Oct	2.1	0.5	2.6	-	2.2	2.2	1.9	0.9	2.8	2.2	2.0	4.2	0.8	1.5	2.3	0.8	1.5	2.3	7.8	8.6	16.4	47.6%	52.4%
Nov	2.1	0.5	2.6	-	1.9	1.9	1.6	1.0	2.6	2.1	1.9	4.0	0.7	1.3	2.0	0.8	1.5	2.3	7.3	8.1	15.4	47.4%	52.6%
Dec	2.4	0.5	2.9	-	2.1	2.1	1.7	0.7	2.4	2.2	1.9	4.1	0.9	1.4	2.3	0.9	1.6	2.5	8.1	8.2	16.3	49.7%	50.3%
Total year	28.0	6.1	34.1	-	28.7	28.7	21.3	12.5	33.8	25.6	23.9	49.5	9.2	17.7	26.9	9.2	20.4	29.6	93.3	108.3	201.6	46.3%	53.7%

Table 4.11 - Water sales by type of tariff of subscribers, 2007 – 2011

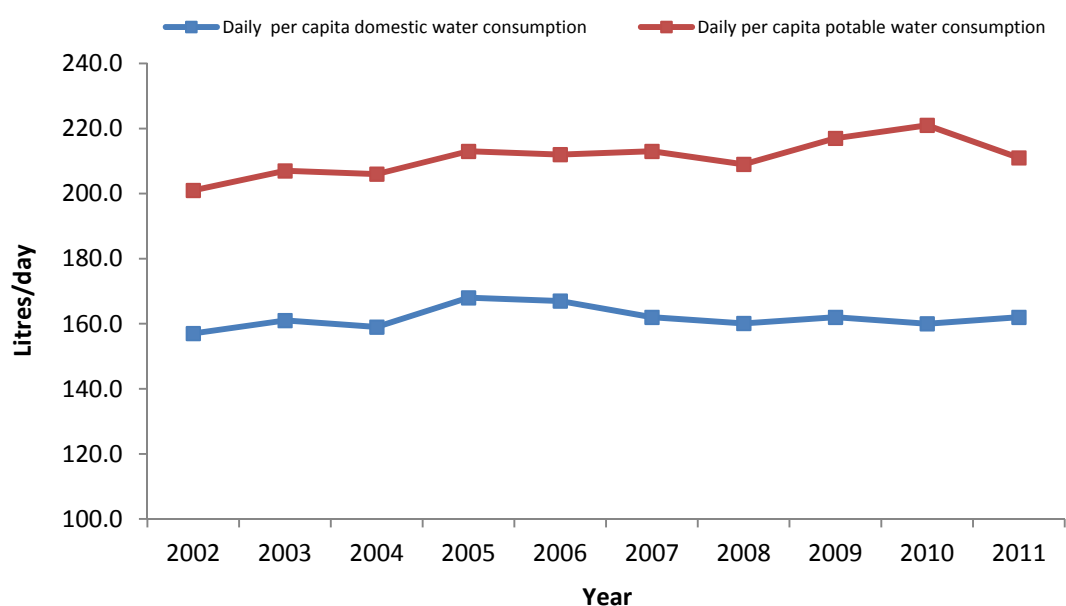
Type of tariff	2007		2008		2009		2010		2011 ¹	
	No. of subscribers	Volume ('000 m ³)	No. of subscribers	Volume ('000 m ³)	No. of subscribers	Volume ('000 m ³)	No. of subscribers	Volume ('000 m ³)	No. of subscribers	Volume ('000 m ³)
Domestic	278,625	73,007	284,592	72,093	292,294	75,119	299,300	76,521	305,121	73,657
Commercial	11,260	6,743	11,855	7,086	12,822	7,543	13,308	7,973	13,696	7,423
Government	3,879	4,686	4,053	4,788	4,184	4,956	4,224	4,887	4,288	4,444
Agriculture and Livestock Producers	3,129	1,421	3,281	1,403	3,611	1,455	3,774	1,536	3,915	1,456
Industrial	744	4,827	716	3,995	697	4,055	661	4,285	648	4,258
Hotels , Guest houses	224	4,429	264	4,595	280	4,652	297	5,057	307	5,154
Acquired/concessionary prizes	43	16	44	15	43	14	39	14	39	2
Total Potable water	297,904	95,129	304,806	94,025	313,932	97,847	321,604	100,321	328,015	96,443
Total non - treated water	278	15,490	286	14,799	294	12,419	296	14,678	311	16,912
TOTAL	298,182	110,619	305,092	108,824	314,226	110,266	321,900	114,999	328,326	113,355

¹ Provisional

Table 4.12 – Daily per capita domestic and potable water consumption, 2002 – 2011

Year	Litres/day	
	Daily per capita domestic water consumption	Daily per capita potable water consumption
2002	157.0	201
2003	161.0	207
2004	159.0	206
2005	168.0	213
2006	167.0	212
2007	162.0	213
2008	160.1	209
2009	162.0	217
2010	160.0	221
2011	162.0	211

Source: Central Water Authority

Figure 14 – Daily per capita domestic and potable water consumption, 2002 – 2011**Table 4.13 - Volume of water used by the CEB for hydropower generation, 2002 – 2011**

Power station	Mm ³									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Champagne	71	108	117	105	62	61	91	105	87	44
Ferney	81	119	117	116	79	95	99	125	100	77
Tamarind Falls	31	34	37	37	26	27	22	33	29	11
Le Val	9	15	17	14	10	13	16	13	13	3
Reduit	19	30	30	26	21	20	30	36	20	21
Cascade Cecile	19	21	14	8	7	17	20	23	19	11
Magenta	17	17	13	25	17	16	5	17	22	10
La Ferme	4	-	-	-	5	5	9	14	8	4
Total	251	344	345	331	227	254	292	366	298	181

Source: Central Electricity Board

Table 4.14 - 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 Sustainable Development .

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

² Lower limit at 25^o C.

Table 4.15 - River water quality by selected physico-chemical parameters, 2011

	Faecal Coliforms (E.coli)	Potassium (K)	Dissolved Oxygen (DO)	Total Kjeldhal Nitrogen (TKN)
	(cfu/100ml)	(mg/L)	(mg/L)	(mg/L)
Rivière Labourdonnais	2,142	0.6	8.2	N.D
Rivière Moka	631	0.9	8.0	0.8
Rivière Cascade	288	0.7	8.2	N.D
Rivière Plaine Wilhems	1,130	1.0	7.5	1.5
Black River	31	0.5	8.1	N.D
Rivière Baie du Cap	327	0.9	7.8	N.D
Rivière des Galets	62	1.0	7.9	2.9
Rivière des Anguilles	187	0.5	8.6	0.2
Rivière la Chaux	369	0.6	8.6	N.D
Rivière des Creoles	171	0.7	7.2	6.8
Grand River South East	160	0.6	8.3	0.3
Rivière Francoise	213	0.8	8.1	N.D
Rivière du Poste de Flacq	573	0.9	8.0	N.D
Rivière Rempart	285	1.0	6.1	N.D

Source: Ministry of Environment and Sustainable Development

N.D: Not detected

For year 2011, only one reading was taken per river, hence no minimum or maximum range is available.

Table 4.16 - Range of levels of Nitrate-Nitrogen, Phosphate and Chemical Oxygen Demand (COD) for selected regions, 2011

Region	Chemical water quality parameter		
	Nitrate-Nitrogen (NO ₃ ⁻ - N)	Phosphate (PO ₄ ³⁻)	Chemical Oxygen Demand (COD)
	Milligram per litre		
Ile aux Benitiers	<0.1 - 0.17	0.01 - 0.03	0.2 – 1.2
Bel Ombre	<0.1 – 0.3	0.01 - 0.05	0.1 – 1.1
Bambous Virieux	<0.1	<0.01 - 0.04	0.1
Trou D'Eau Douce	<0.1 – 0.2	0.01 - 0.13	0.1 – 1.6
Anse la Raie	<0.1 – 0.2	0.02 - 0.04	0.2 – 1.3
Trou aux Biches	<0.1	0.01 - 0.07	0.1 – 2.6
Pointe aux Sables	<0.1	0.00 - 0.08	0.0 – 1.2
Tombeau Bay	<0.1	0.01 – 0.15	0.1 – 2.4
Port Louis Harbour	<0.1	0.01 - 0.07	0.2 – 1.6

Source : Albion Fisheries Research Centre, Ministry of Fisheries.

Table 4.17 - Volume of wastewater treated by public treatment stations, 2002 – 2011

Station	Mm ³									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Montagne Jacquot	5.30	8.10	5.06	5.20	7.84	-	10.00	16.50	11.40	17.25
Baie du Tombeau	4.85	8.26	8.27	8.27	8.40	8.20	8.21	8.21	8.21	8.94
Pailles TP	0.08	0.11	0.12	0.18	0.07	0.07	0.10	0.10	0.10	0.10
B. Marchand	0.18	0.26	0.27	0.19	0.17	0.17	0.20	0.20	0.20	0.20
Riviere du Rempart	0.05	0.05	0.05	0.05	0.05	0.06	0.10	0.10	0.10	0.10
Grand Bay	-	-	-	-	-	-	0.60	0.60	0.60	0.60
St. Martin	8.20	10.89	13.10	13.88	14.93	15.50	16.70	15.95	14.00	12.64
Robinson	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
Vuillemin	0.08	0.07	0.07	0.07	0.10	0.10	0.10	0.10	0.10	0.10
Flacq	0.03	0.03	0.18	0.23	0.10	0.10	0.10	0.10	0.10	0.10
Dubreuil	0.13	1.22	0.68	0.68	0.10	0.10	0.10	0.10	0.10	0.10
Total	18.92	29.01	27.82	28.77	31.79	24.33	36.24	41.99	34.94	40.16

Source : Wastewater Management Authority

Table 4.18 - Water quality in coastal area - (Terre Rouge Rivulet Bird Sanctuary), 2002 – 2011

Variable	Unit	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Chemical Oxygen Demand (COD)	mg O ₂ /l	0.4	2.1	0.4	0.4	0.6	2.0	1.2	0.8	0.8	1.1
Total Phosphorus ¹	mg P/l	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total Nitrogen ²	mg N/l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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 4.19 – New cases of certain notifiable diseases reported to sanitary authorities, 2002 – 2011

NumberYear	Amoebiasis	Food Poisoning	Infective Hepatitis	Leptospirosis	Indigenous	Imported	Schistosomiasis	Typhoid Fever
2002	-	33	11	1	-	38	-	1
2003	-	60	20	3	-	40	-	2
2004	-	160	19	3	-	45	-	1
2005	-	29	12	6	-	35	-	5
2006	1	78	5	6	-	38	-	4
2007	-	766	5	9	-	42	-	15
2008	-	129	4	3	-	27	-	6
2009	-	718	23	7	-	23	-	5
2010	-	156	28	28	-	52	-	3
2011	-	445	35	17	-	54	-	5

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

Table 4.20 - Enteritis and other diarrhoeal diseases, 2002 – 2011

YEAR	Number									
	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
2002	862	1,652	603	2,777	5,894	3	2	-	6	11
2003	487	1,029	528	2,515	4,559	3	2	1	7	13
2004	566	2,044	1,024	2,218	5,852	6	5	-	6	17
2005	538	1,380	648	2,588	5,154	1	1	-	8	10
2006	742	2,373	975	3,853	7,943	2	2	-	24	28
2007	636	1,483	945	3,260	6,324	2	-	-	11	13
2008	771	2,073	818	3,584	7,246	1	2	1	16	20
2009	545	1,220	722	2,989	5,476	1	2	-	22	25
2010	513	1,482	830	3,073	5,898	1	1	-	26	28
2011	646	1,467	965	4,061	7,139	1	3	-	23	27

Table 4.21 - Sea transport¹, 2002 – 2011

Period	Vessels entering		Goods	
	Number	Unloaded (000t)	Loaded ² (000t)	
2002	1,664	3,961	947	
2003	1,588	4,076	1,165	
2004	1,330	4,696	1,773	
2005	1,407	4,709	1,197	
2006	1,365	4,619	1,226	
2007	2,317	5,080	1,179	
2008	2,008	5,140	1,155	
2009	2,079	4,761	1,177	
2010	2,172	5,100	1,130	
2011	2,654	5,386	1,091	

¹ exclude fishing vessels berthed in Port Louis only.² exclude bunkers.

Table 4.22 - Contraventions established by the National Coast Guard, 2002 – 2011

Year	Illegal fishing activities	Beach offences	Illegal pleasure craft activities	Miscellaneous	Total
2002	62	148	685	285	1,180
2003	59	43	650	459	1,211
2004	44	137	531	149	861
2005	42	202	430	102	776
2006	51	194	505	91	841
2007	39	150	425	95	709
2008	54	135	438	123	750
2009	75	149	580	178	982
2010	64	113	703	181	1,061
2011	213	284	536	330 ¹	1,363

¹ include 266 contraventions for road traffic offences

Source: Police Department

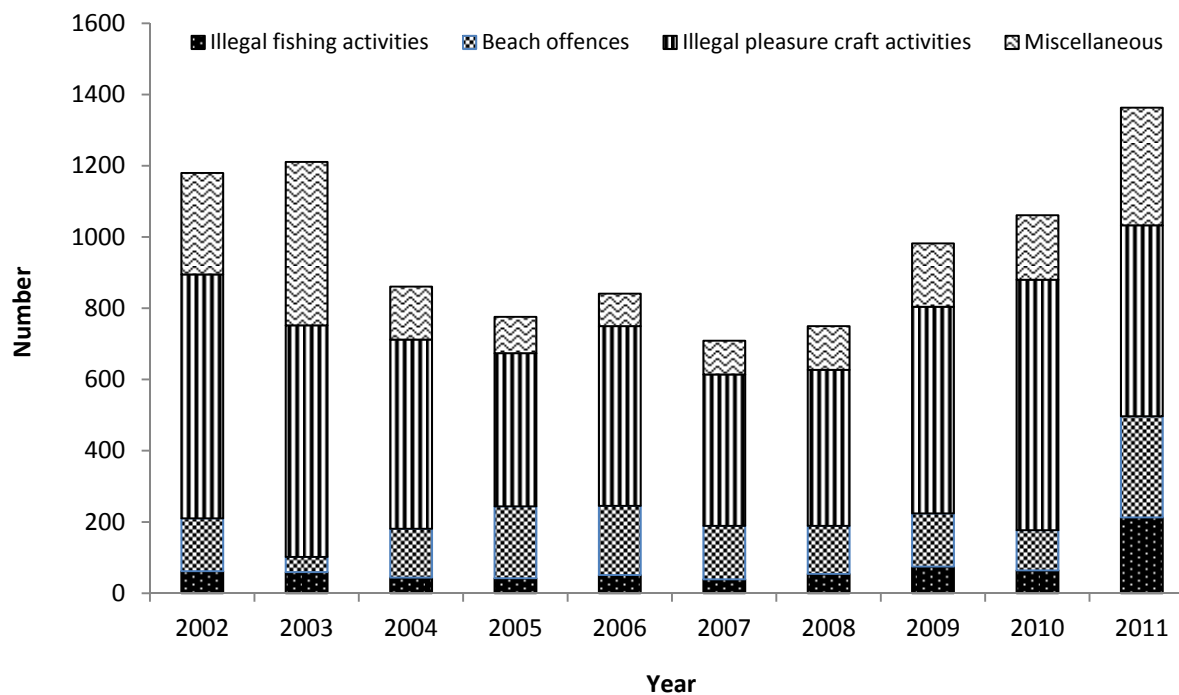
Figure 15 - Contraventions established by the National Coast Guard, 2002 - 2011

Table 4.23 - Mean sea surface temperature around the Island of Mauritius, 2002 – 2011

		January	February	March	April	May	June	July	August	September	October	November	December	Degrees celcius Average for the year
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
	<i>Difference from Normal</i>	1.1	0.1	-0.3	0.8	-0.1	0.8	0.1	0.9	-0.5	-0.6	0.1	-0.6	
2003	Mean	27.7	28.1	27.9	27.2	26.5	25.4	23.9	23.1	23.4	23.9	25.5	26.7	25.8
	<i>Difference from Normal</i>	-0.3	-0.4	-0.1	-0.1	-0.4	-0.4	0.1	0.4	0.1	0.2	-0.3	-0.1	
2004	Mean	26.9	28.6	27.7	27.7	27.3	24.6	23.9	23.6	23.4	24.0	25.3	26.5	25.8
	<i>Difference from Normal</i>	0.5	-0.9	0.1	-0.6	-1.2	0.4	0.1	-0.1	0.1	0.1	-0.1	0.1	
2005	Mean	27.8	28.6	28.0	27.4	26.5	25.0	24.1	24.0	23.5	24.9	24.9	26.3	25.9
	<i>Difference from Normal</i>	-0.4	-0.9	-0.2	-0.3	-0.4	0.0	-0.1	-0.5	0.0	-0.8	0.3	0.3	
2006	Mean	27.7	27.1	27.5	27.5	27.3	24.5	24.1	23.5	23.8	24.1	25.1	26.7	25.7
	<i>Difference from Normal</i>	-0.3	0.6	0.3	-0.4	-1.2	0.5	-0.1	0.0	-0.3	0.0	0.1	-0.1	
2007	Mean	27.7	28.6	27.2	26.8	26.2	25.3	24.3	23.8	23.6	24.0	25.5	26.1	25.8
	<i>Difference from Normal</i>	0.3	0.9	-0.6	-0.3	0.1	0.3	0.3	0.3	0.1	-0.1	0.3	-0.5	
2008	Mean	26.8	27.7	27.2	27.0	26.4	25.2	23.6	23.5	23.9	24.3	26.1	27.7	25.8
	<i>Difference from Normal</i>	-0.6	0.0	-0.6	-0.1	0.3	0.2	-0.4	0.0	0.4	0.2	0.9	1.1	
2009	Mean	29.5	28.5	28.7	28.3	27.1	26.1	25.1	24.1	24.1	24.8	25.8	27.6	26.6
	<i>Difference from Normal</i>	2.1	0.8	0.9	1.2	1.0	1.1	1.1	0.6	0.6	0.7	0.6	1.0	
2010	Mean	28.2	29.0	28.6	28.6	27.7	26.0	25.0	24.7	24.0	25.0	26.2	27.2	26.7
	<i>Difference from Normal</i>	0.8	1.3	0.8	1.5	1.6	1.0	1.0	1.2	0.5	0.9	1.0	0.6	
2011	Mean	28.2	28.2	28.6	28.1	27.0	26.1	24.0	24.1	24.0	24.8	26.7	27.4	26.4
	<i>Difference from Normal</i>	0.8	0.5	0.8	1.0	0.9	1.1	0.0	0.6	0.5	0.7	1.5	0.8	
Mean 1971 -2000		27.4	27.7	27.8	27.1	26.1	25.0	24.0	23.5	23.5	24.1	25.2	26.6	25.7

Source : Meteorological Services

Table 4.24 - Percentage distribution of households by type of water supply and other amenities available, Republic of Mauritius, 2000 and 2011 Housing Censuses.

Amenity available	Housing Censuses	
	2000 (%)	2011 (%)
1. Water supply		
(i) Piped water inside house	83.7	94.2
(ii) Piped water outside on premises	14.5	5.2
(iii) Public fountain, well, rivers , etc.	1.8	0.6
2. Availability of water tank / Reservoir	36.4	49.5
3. Bathroom		
(i) With running water	89.0	95.5
(ii) Without running water	10.1	4.0
(iii) None	1.0	0.5
4. Toilet		
(i) Flush toilet	88.8	96.4
(ii) Pit latrine	11.0	3.4
(iii) Other and None	0.2	0.2

CHAPTER 5

LAND

Table 5.1 - Land use by category, 1995 and 2005

	1995		2005 ¹		Change	
	Hectares	%	Hectares	%	Hectares	%
<i>Sugar cane plantations (Source SIFB)</i>	76,840	41.2	72,000	38.6	-4,840	-6.3
<i>Tea plantations (Source Tea Board)</i>	3,660	2.0	674	0.4	-2,986	-81.6
<i>Other agricultural activities</i>	6,000	3.2	8,000	4.3	2,000	33.3
Total agricultural land	86,500	46.4	80,674	43.2	-5,826	
Forests, scrubs & grazing lands	57,000	30.6	47,200	25.3	-9,800	-17.2
Infrastructure	4,000	2.1	4,500	2.4	500	12.5
Inland water resource systems	2,600	1.4	2,900	1.6	300	11.5
Built-up areas	36,400	19.5	46,500	24.9	10,100	27.7
Abandoned cane fields	...	...	4,726	2.5	...	...
Total	186,500	100.0	186,500	100.0		

Source: Source: SIFB - Sugar cane plantation, Tea Board - Tea Plantation, Climate change Activities Report, May 2006 - Other

¹Estimates

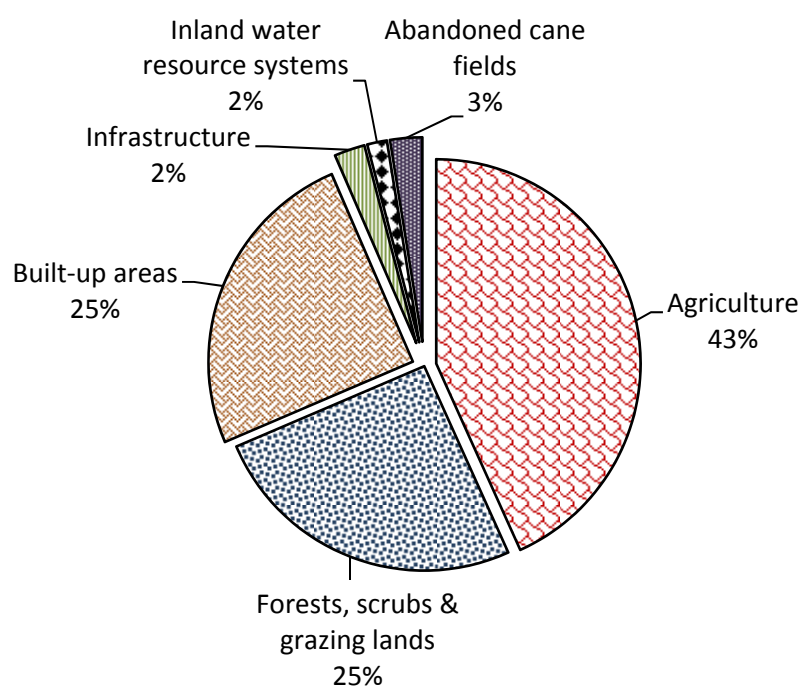
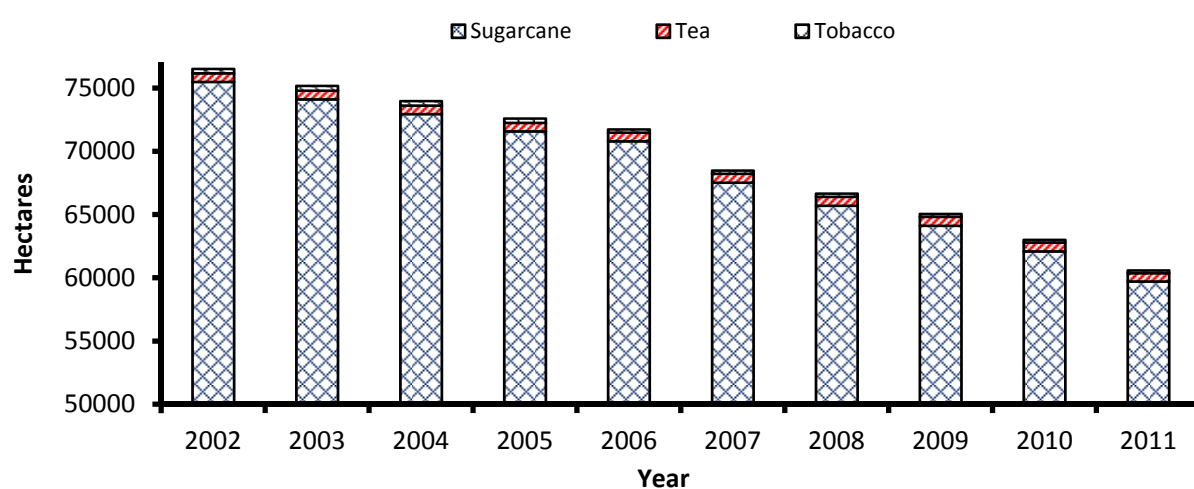
Figure 16 - Land use by Category, 2005

Table 5.2 - Effective area under cultivation of sugar cane, tea and tobacco, 2002 – 2011

Crops	Hectares									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Sugarcane	75,501	74,117	72,955	71,583	70,801	67,524	65,710	64,120	62,100	59,724
Tea	680	681	674	670	688	709	701	713	698	651
Tobacco	340	379	353	348	252	258	256	230	210	222

Figure 17 - Effective area under cultivation, 2002 – 2011**Table 5.3 - Road network, 2002 - 2011**

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			
2002	60	950	592	398	2,000	98	1.07	133
2003	75	950	592	398	2,015	98	1.08	137
2004	75	955	592	398	2,020	98	1.08	144
2005	75	955	592	398	2,020	98	1.08	151
2006	75	955	593	398	2,021	98	1.08	158
2007	75	962	593	398	2,028	98	1.09	165
2008	75	962	593	398	2,028	98	1.09	173
2009	75	1,000	593	398	2,066	98	1.11	177
2010	75	1,014	593	398	2,080	98	1.12	185
2011	82	1,035	595	400	2,112	98	1.13	190

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, 2002 – 2011

Year	Severity of accident				Total
	Fatal	Serious	Slight	No injury	
2002	144	162	1,852	15,846	18,004
2003	121	211	1,729	17,177	19,238
2004	131	184	1,845	17,335	19,495
2005	116	295	1,733	20,410	22,554
2006	122	296	1,529	18,295	20,242
2007	133	403	1,654	18,329	20,519
2008	162	380	1,681	18,650	20,873
2009	129	405	1,946	17,062	19,542
2010	151	487	1,911	18,694	21,243
2011	132	443	1,978	19,983	22,536

Table 5.5 - Imports of fertilisers and pesticides (Agricultural inputs), 2002 – 2011

	Tonnes									
	2002	2003	2004	2005	2006	2007	2008	2009	2010 ¹	2011 ²
Fertilisers	43,877	64,081	48,749	61,605	55,313	45,336	46,677	57,169	46,282	54,356
Pesticides	1,959	2,222	2,072	2,141	2,387	1,965	2,249	2,324	2,383	2,107
<i>Insecticides</i>	755	809	642	707	1,288	648	645	837	948	904
<i>Fungicides</i>	199	201	210	242	188	212	210	207	229	257
<i>Weedkillers</i>	1,005	1,212	1,220	1,192	911	1,105	1,394	1,280	1,206	946

¹ Revised² provisional

Figure 18 - Imports of fertilisers and pesticides (Agricultural inputs), 2002 – 2011

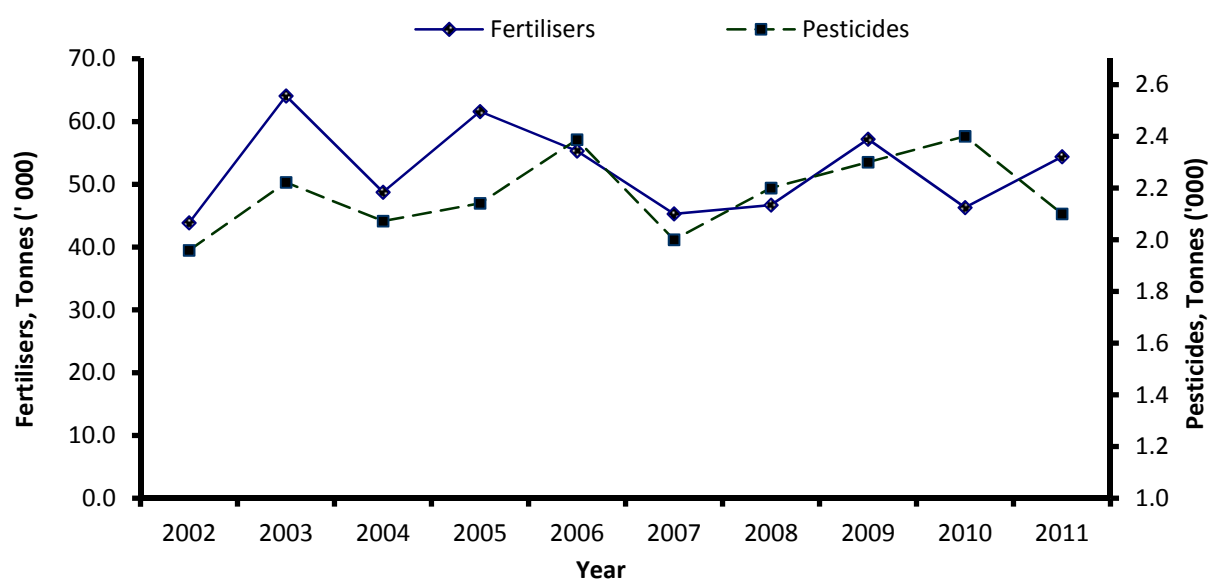


Table 5.6 - Imports of fertilisers and pesticides (Agricultural inputs), 2002 - 2011

Year	Fertilizers		Pesticides	
	Quantity (tonnes)	Value CIF (Rs mn)	Quantity (tonnes)	Value CIF (Rs mn)
2002	43,877	202.3	1,959	242.6
2003	64,081	314.8	2,222	295.1
2004	48,749	309.9	2,072	289.6
2005	61,605	536.5	2,141	312.6
2006	55,314	471.2	2,387	397.7
2007	45,336	476.2	1,965	325.4
2008	46,677	935.2	2,249	410.1
2009	57,169	832.2	2,324	388.6
2010 ¹	46,282	585.7	2,383	390.4
2011 ²	54,356	816.2	2,107	355.4

¹ Revised² provisional

Table 5.7 - Land under irrigation, 2002 – 2011

Year	Hectares			
	Overhead	Surface	Drip	Total
2002	17,028	2,372	1,822	21,222
2003	17,706	2,032	1,881	21,619
2004	17,548	1,837	2,032	21,417
2005	16,761	1,768	2,129	20,658
2006	17,576	1,737	2,109	21,422
2007	17,602	1,618	2,101	21,321
2008	18,264	1,053	2,140	21,457
2009	18,818	875	1,850	21,543
2010	17,023	714	2,110	19,847
2011	16,864	889	2,133	19,886
(By region) 2011				
North	5,789	525	1,138	7,452
East	2,939	-	244	3,183
Centre	449	-	-	449
West	3,632	364	244	4,240
South	4,055	-	507	4,562

Table 5.8 - Number of permits ¹ and floor area by region, 2007 – 2011

Region	2007		2008		2009		2010		2011	
	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	3,048	639,398	2,617	571,730	2,546	634,853	2,491	436,682	2,323	395,458
Port Louis	746	140,920	577	109,089	596	128,193	499	94,586	431	68,087
Beau Bassin - Rose Hill	454	69,200	414	66,918	489	87,592	300	40,447	313	43,748
Curepipe	463	66,081	340	41,808	347	55,040	312	64,964	321	48,737
Quatre Bornes	466	175,162	479	220,144	392	247,363	422	90,252	405	109,880
Vacoas - Phoenix	919	188,035	807	133,771	722	116,665	958	146,433	853	125,006
Rural areas	6,052	1,320,195	5,026	995,153	4,881	1,060,091	4,862	985,335	3,937	823,281
Pamplemousses	808	154,881	575	94,899	687	128,579	731	137,568	398	66,394
Riviere du Rempart	1,041	242,050	692	166,758	906	186,620	777	164,676	337	79,673
Flacq	1,181	205,193	908	148,582	687	96,721	692	108,715	839	158,059
Grand Port	697	135,810	720	99,518	634	144,078	685	100,274	461	118,120
Savanne	801	124,666	645	92,095	617	85,565	580	77,846	528	73,312
Plaines Wilhems	35	6,613	53	6,525	34	4,333	46	6,002	578	78,136
Moka	611	138,233	441	81,634	406	71,522	367	70,395	30	4,771
Black River	878	312,749	992	305,142	910	342,673	984	319,859	766	244,816
Total	9,100	1,959,593	7,643	1,566,883	7,427	1,694,944	7,353	1,422,017	6,260	1,218,739

∞
∞

¹ includes new buildings and additions for which permits have been issued by Municipalities and Districts Councils

Table 5.9 - Number of permits¹ and floor area by type of building, 2007 – 2011

Type of building	2007		2008		2009		2010		2011	
	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	8,133	1,292,860	7,010	1,124,110	6,896	1,158,832	6,871	1,189,726	5,853	903,487
New buildings	4,740	932,465	3,915	802,112	3,888	834,622	4,047	882,368	3,413	630,042
Additions	3,393	360,395	3,095	321,998	3,008	324,210	2,824	307,358	2,440	273,445
Non residential	967	666,733	633	442,773	531	536,112	482	232,291	407	315,252
Agriculture, forestry, hunting and fishing	62	47,372	39	24,932	17	2,304	34	23,473	24	16,302
Manufacturing	98	191,190	64	66,895	36	28,084	22	8,508	34	48,980
Electricity and water	-	-	3	2,157	1	1,122	-	-	-	-
Construction	4	11,360	2	3,908	-	-	-	-	2	4,305
Wholesale and retail trade, restaurant and hotels	575	225,275	385	131,408	333	336,286	306	119,194	248	134,994
Transport, storage & communication	32	15,316	39	29,294	43	76,464	24	8,746	21	21,578
Banking, insurance and real estate	67	112,226	42	139,489	33	67,745	46	53,804	30	63,936
Community, social & personal services	129	63,994	59	44,690	67	24,107	50	18,566	48	25,157
Total	9,100	1,959,593	7,643	1,566,883	7,427	1,694,944	7,353	1,422,017	6,260	1,218,739

¹ includes new buildings and additions for which permits have been issued by Municipalities and District Councils

Table 5.10 - Solid waste input by type at Mare Chicose landfill site, 2003 – 2011

	Tonnes								
Waste type	2003	2004	2005	2006	2007	2008	2009	2010	2011
Domestic	352,915	365,528	363,776	387,751	365,811	373,860	389,999	402,816	389,743
Construction	7,199	6,097	3,755	1,109	725	2,065	671	2,394	5,306
Industrial	1,351	928	537	449	739	796	1,170	1,140	1,565
Tuna/Sludge	120	189	5,913	8,056	13,642	12,148	9,126	10,949	10,402
Poultry	3,236	3,962	3,930	3,752	3,668	6,867	7,209	6,339	5,942
Rubber tyres	378	423	394	465	231	347	365	481	447
Asbestos	71	36	85	14	254	32	26	44	15
Condemned goods	2,754	1,770	2,114	3,265	2,019	2,361	1,164	1,388	848
Textile	3,070	2,169	1,803	2,120	1,271	1,002	300	432	130
Difficult and hazardous	-	12	40	8	4	5	-	42	13
Paper waste	...	...	...	...	3	-	-	6	67
Others	1,340	-	-	-	5	5	5,918	1,771	65
TOTAL	372,434	381,114	382,347	407,039	388,372	399,488	415,948	427,802	414,543

Source: Ministry of Local Government and Outer Islands.

Table 5.11 - Number of Environmental Impact Assessment (EIA) licenses granted by type of project, 2002 – 2011

Project	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011 ¹
Land parcelling (morcellement)	16	14	21	19	9	1	12	2	5	5
Poultry rearing	13	18	-	-	-	19	-	-	-	-
Industrial development	2	28	1	5	4	19	-	7	5	1
Coastal hotels & related works	15	4	15	10	20	-	8	7	12	10
Livestock rearing	1	4	-	-	-	9	-	-	-	-
Housing	3	4	34	7	13	-	-	1	1	1
Stone crushing plants	1	1	2	3	1	-	-	-	3	3
Development in port area	-	-	-	1	1	-	-	-	1	4
Other	13	22	12	10	7	8	24	6	17	6
Total	64	95	85	55	55	56	44	23	44	30

Source : Ministry of Environment and Sustainable Development.

¹ Provisional.**Table 5.12 - Number of Preliminary Environmental Report (PER) approvals granted by type of project, 2003 – 2011**

Project	2003	2004	2005	2006	2007	2008	2009	2010	2011 ¹
Land parcelling (morcellement)	28	19	16	8	5	-	-	-	-
Poultry rearing	3	30	22	15	19	10	9	3	10
Industrial development	3	30	8	17	28	16	6	5	9
Coastal hotels & related works	11	-	4	1	23	-	-	-	-
Livestock rearing	2	3	3	6	-	-	-	4	1
Housing	1	15	10	14	4	-	-	-	1
Stone crushing plants	2	-	-	-	-	-	-	-	-
Development in port area	-	-	-	-	-	-	-	-	-
Other	15	22	25	30	17	14	16	7	3
Total	65	119	88	91	96	40	31	19	24

Source : Ministry of Environment and Sustainable Development.

¹ Provisional.

Table 5.13 - Number of establishments¹ by industrial group, Republic of Mauritius, 2007 – 2011

	2007	2008	2009	2010	2011
Agriculture, forestry and fishing	<u>219</u>	<u>213</u>	<u>216</u>	<u>194</u>	<u>191</u>
<i>Sugarcane</i>	112	106	104	78	76
<i>Tea</i>	8	8	7	7	7
<i>Tobacco</i>	35	32	32	29	26
<i>Other agriculture</i>	64	67	73	80	82
Mining and quarrying	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>
Manufacturing	<u>838</u>	<u>841</u>	<u>789</u>	<u>728</u>	<u>712</u>
<i>Food</i>	115	116	116	110	108
<i>Beverage and tobacco</i>	16	16	16	16	15
<i>Textile and wearing apparel (except footwear)</i>	299	292	256	230	218
<i>Other manufacturing</i>	408	417	401	372	371
Electricity, gas and water	<u>8</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>9</u>
Construction	<u>85</u>	<u>89</u>	<u>98</u>	<u>101</u>	<u>103</u>
Wholesale and retail trade, repair of m/vehicles, motorcycle, personal & household goods	<u>377</u>	<u>414</u>	<u>413</u>	<u>418</u>	<u>425</u>
<i>Wholesale and retail trade</i>	317	337	343	374	378
<i>Maintenance and repair of motor vehicles and motorcycles</i>	11	13	13	13	13
<i>Sales of motor vehicles, motorcycles and related parts; automotive fuel</i>	29	29	30	31	34
Hotels and restaurants	<u>150</u>	<u>153</u>	<u>160</u>	<u>173</u>	<u>174</u>
Transport , storage and communication	<u>106</u>	<u>111</u>	<u>117</u>	<u>119</u>	<u>115</u>
Financial intermediation	<u>89</u>	<u>88</u>	<u>90</u>	<u>93</u>	<u>99</u>
Real estate, renting and business activities	<u>221</u>	<u>229</u>	<u>257</u>	<u>291</u>	<u>307</u>
Public administration & defence; compulsory social security	<u>154</u>	<u>160</u>	<u>162</u>	<u>162</u>	<u>162</u>
Education	<u>180</u>	<u>176</u>	<u>176</u>	<u>181</u>	<u>183</u>
Health and social work	<u>44</u>	<u>50</u>	<u>52</u>	<u>62</u>	<u>67</u>
Other community, social and personal services	<u>90</u>	<u>99</u>	<u>101</u>	<u>112</u>	<u>118</u>
Total	2,566	2,636	2,644	2,648	2,670

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

Table 5.14 - List of Proclaimed Public Beaches by districts

Name	Extent (ha)	Sea Frontage (m) (Approx)
PAMPLEMOUSSES		
Le Goulet	3.5	470
Ville Valio	1.3	65
Pointe aux Piments (Pointe Oberoi)	1.2	147
Pointe aux Piments (Between Le Meridien & Victoria Hotel)	1.1	...
Pointe aux Piments (Fish Landing Station)	2.5	715
Pointe aux Piments (Main Beach)	0.2	111
Pointe aux Piments (Opposite Aquarium)	1.4	300
Pointe aux Piments (Near Colonial Hotel))	0.6	244
Pointe aux Piments (Known as Pointe Cimetiére)	1.3	...
Pointe aux Piments (Pointe aux Biches)	2.6	447
Trou aux Biches (Opposite Aquarium)	2.6	700
Trou aux Biches (In front of Police Station)	0.9	73
Trou aux Biches (Opp. Casuarina)	1.0	215
Mon Choisy	17.3	1457
The Vale	0.3	63
RIVIERE DU REMPART		
Grand Baie (NCG Post)	0.01	...
Grand Baie	1.2	336
La Cuvette	1.7	310
Pereybere	1.8	108
Bain Boeuf	2.2	727
Cap Malheureux	0.2	39
P.G. Union Ribet	16.9	1163
Anse La Raie	0.6	110
Butte a l'Herbe	8.8	560
Belle Vue Cugnet	0.3	156
Belle Vue Cugnet	0.6	198
Belle Vue Cugnet	0.3	62
Grand Gaube	0.7	220
Islet Matapan & Pt. of P.G. Melville	5.0	1050
Melville Public Beach	2.1	...
Melville Public Beach	2.1	...
Poudre d'Or	4.2	848
Volke Molke	0.7	167
FLACQ		
Roches Noires	2.1	350
Poste Lafayette	1.0	130
Poste Lafayette (Near Police Memorial)	7.2	620
Poste Lafayette	0.4	30
Bras d'Eau	2.7	650
Part of P.G Choisy	1.7	200
Belle Mare (Part of P.G)	0.3	280
Belle Mare (Main Beach)	17.4	1500
Belle Mare (Near Residence Hotel)	8.4	430
Belle Mare (Near Residence Thalassa Hotel)	3.0	210
Palmar (Near Ambre Hotel)	1.1	150
Palmar (Near Surcouf Hotel)	0.6	230
Palmar (Main Beach)	18.5	1400
Quatres Cocos Village (Near Carro Bringel)	0.3	100
Trou d'Eau Douce (Near Le Tropical Hotel)	0.9	360
Trou d'Eau Douce (Four a Chau)	3.2	750
Grand River South East	0.5	110

Table 5.14 Con't - List of Proclaimed Public Beaches by districts

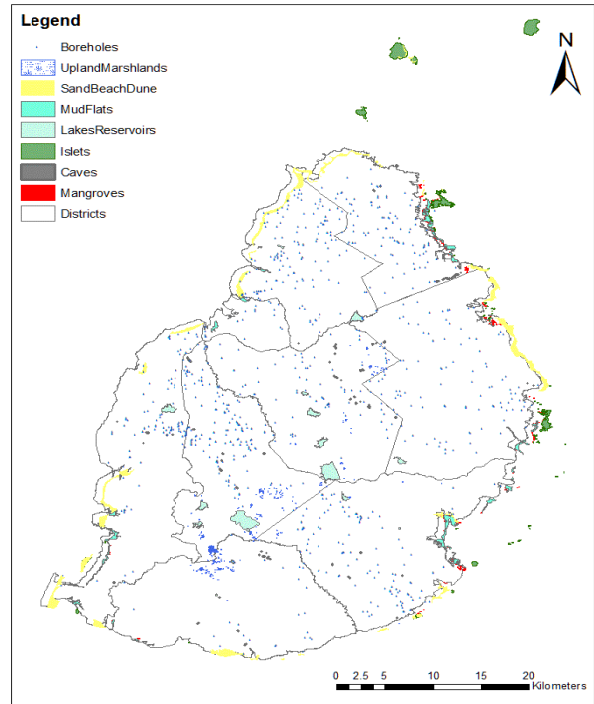
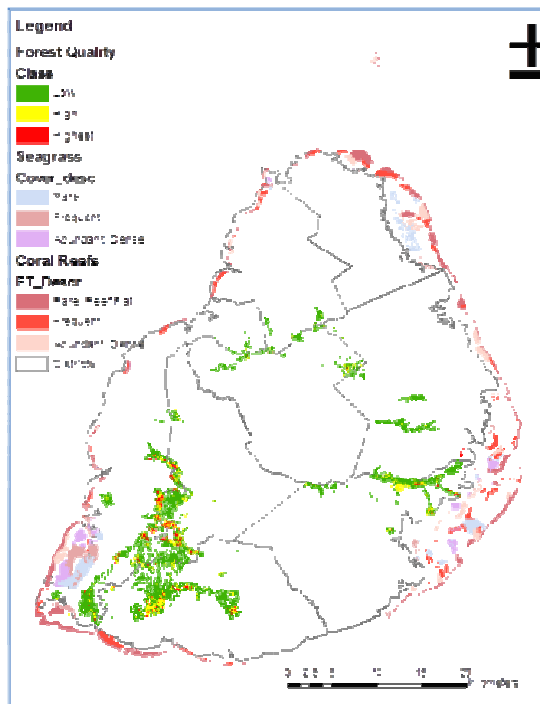
Name	Extent (ha)	Sea Frontage (m) (Approx)
GRAND PORT		
Grand Sable	0.1	15
Grand Sable	0.1	66
Pointe du Diable	0.2	71
Pointe des Bambous	0.1	148
Bois des Amourettes	1.0	275
Old Grand Port	0.2	59
Riviere des Creoles	0.4	257
Pointe Canon	1.0	400
Mahebourg Village (Portion No.2)	0.2	107
Remy Ollier Square(Portion No.1)	0.4	180
Blue Bay	4.8	400
La Cambuse	5.5	692
Le Bouchon	11.0	1475
Pont Naturel	0.8	163
Le Souffleur	2.1	180
P.G Petit Sable	0.8	...
P.G Anse Jonchee	0.1	...
P.G Anse Jonchee	0.2	...
P.G Anse Jonchee	0.2	...
SAVANNE		
Terracine	6.1	1048
Gris Gris	3.8	220
Telfair	1.4	285
Surinam	0.3	100
Near Souillac Cemetery	1.3	885
Saint Felix	0.6	391
Saint Felix	6.7	819
Riviere des Galets	11.6	1530
Bel Ombre	6.5	579
BLACK RIVER		
La Prairie	2.2	300
P.G L'Embrasure	4.7	1930
Le Morne Brabant	21.5	1900
P.G Le Morne (Pte Sud Ouest)	0.5	40
P.G Le Morne (Berjaya Hotel)	5.3	500
P.G. Comtesse La Marque	8.9	...
La Preneuse	0.5	83
Tamarin	2.2	410
Wolmar	1.3	50
Flic en Flac (Wolmar Near Pearl Beach Hotel)	12.8	1795
Flic en Flac (Near Manisa Hotel)	2.1	545
Flic en Flac (Opposite Restaurant Ocean)	2.1	512
P.G Anna	0.4	105
P. G Albion	1.9	205
P.G. Mon Plaisir	211	250
Petit Verger	0.2	62
Petit Verger	0.2	50
Pointe aux Sables	1.1	88
Pointe aux Sables (near Fisheries Post and Training Centre)	0.3	68
Pointe aux Sables (Martello Tower)	0.6	...
PORT LOUIS		
Grand River North West	0.7	198

Source: Beach Authority

Table 5.15 – Areal estimates for the various Environmentally Sensitive Areas (ESA) by type and sub category, 2009

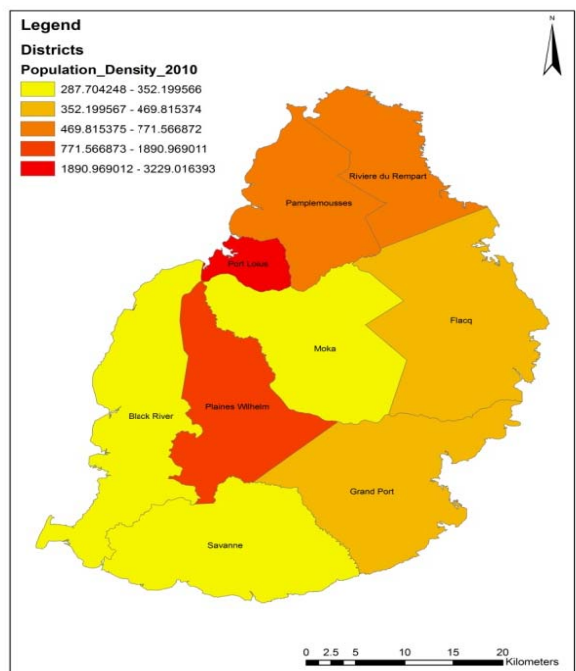
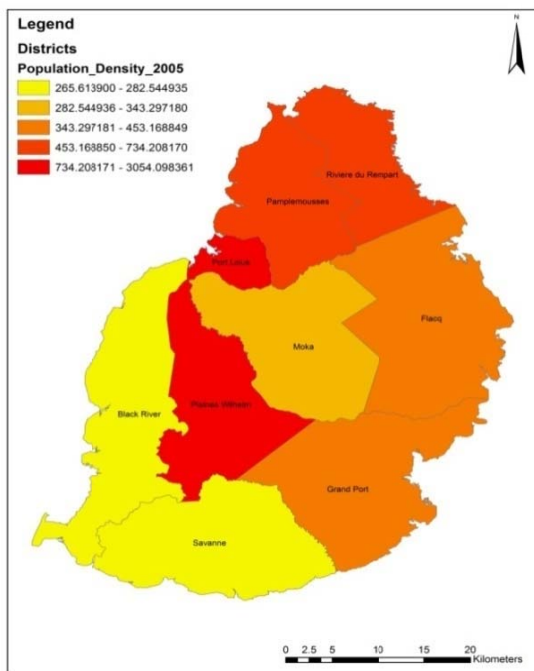
ESA Type	Estimated Area (ha)		
	Mauritius	Rodrigues	TOTAL
Seagrass & mixed Algae	3,278	17,765	21,043
Sparse Seagrass	1,401		
Frequent Seagrass	957		
Abundant Seagrass	722		
Dense Seagrass	198		
Coral reefs	6,306	7,005	13,311
Reef flat	2,485		
Sparse Corals	787		
Frequent Corals	1,559		
Abundant Corals	732		
Dense Corals	743		
Mangrove	145	24	169
Sparse Mangrove	5		
Frequent Mangrove	28		
Abundant Mangrove	70		
Dense Mangrove	42		
Mud Flats	919	656	1,575
Offshore Islets	1,269	181	1,450
Volcanic	1,139	22	
Sand	94	34	
Calcarenitic limestone	36	125	
Coastal Freshwater Marshlands	406		406
Upland Marsh	65		65
Forests with Native Content	8,700		8,700
Very High Quality (Grade 1)	490		
High Quality (Grade 2)	1,162		
Low Quality (Grade 3)	7,048		
Steep Slopes	45,210	8,051	53,261
Moderately Steep (10 - 20%)	16,352	3,078	
Steep to Very Steep (> 20%)	28,858	4,973	

Figure 19 - Map of Areal estimates for the various Environmentally Sensitive Areas by type and sub category, 2009



Source: Environmentally Sensitive Areas and Classification Report, Ministry of Environment and Sustainable Development, Republic of Mauritius, 2009

Figure 20 - Population Density by district, 2005 – 2010



CHAPTER 6

HUMAN SETTLEMENTS

Table 6.1 - Main environment and socio - economic indicators, Republic of Mauritius, 2002 and 2011

	Units	2002	2011 ¹
Environment indicators			
1. Total land area ²	000 ha	196.9	196.9
2. Irrigated land	ha	21,222	19,885
3. Forest area (as a % of total land area)	%	30.4	25.6
4. Land protected areas	ha	13,973	14,879
5. Marine protected areas	ha	7,190	7,216
6. Threatened plant species (NPCS) ³	%	...	88
7. Threatened animal species (NPCS) ³	%	...	89
8. Total fish catch	tons	9,318	5,270
9. Mean catch per fisherman day	kg	4.3	6.9
10. Total Carbon dioxide emission	000 tons	2,973.0	3,640.8
11. Per capita carbon dioxide emission	tons	2.2	2.8
12. Mean annual rainfall	millimetres	2,082	1,945
13. Annual fresh water abstraction	Mm ³	726	571
14. Daily per capita domestic water consumption	litres	157	162
15. Daily per capita solid waste generated	Kg	0.8	0.9
16. Total electricity generated	GWh	1,949	2,730
17. Per capita primary energy requirement	toe	1.0	1.1
18. Per capita final energy consumption	toe	0.6	0.7
19. Energy intensity	toe per Rs 100,000 GDP at 1990 prices	1.0	1.4
Socio - economic indicators			
1. Gross Domestic Product (GDP) at market prices	Rs mn	145,055	323,993
2. Sectoral contribution to GDP			
<i>Agriculture</i>	%	5.9	3.7
<i>Manufacturing</i>	%	21.6	17.7
<i>Construction</i>	%	5.4	6.5
<i>Wholesale and retail trade</i>	%	11.1	11.8
<i>Hotels and restaurants</i>	%	6.6	7.1
<i>Transport and communications</i>	%	13.2	9.2
<i>Financial intermediation and business services</i>	%	8.4	10.1
<i>Other</i>	%	27.8	34.0
3. GDP annual growth rate (basic prices)	%	1.6	3.9
4. Per capita GDP at market prices	Rs	119,833	251,095
5. Per capita GDP in US dollars	US\$	3,999	8,734
6. Investment (GDFCF)	Rs mn	31,075	76,722
7. Exports (f.o.b) (include ship's stores and bunkers)	Rs mn	53,893	75,916
8. Imports (c.i.f)	Rs mn	64,608	148,081
9. Population (mid-year)	000	1,210.0	1,286.0
10. Population annual growth rate	%	0.9	0.4
11. Population density (per kilometre square)	Number	615	653
12. Total labour force ⁴	000	540.9	582.8
13. Total employment ⁴	000	490.1	536.7
<i>Agriculture (as a % of total)</i>	%	9.6	7.9
<i>Manufacturing (as a % of total)</i>	%	28.5	20.1
14. Unemployment rate ⁴	%	9.7	7.9
15. Inflation rate	%	6.4	6.5
16. Tourist arrivals	000	681.6	964.6

¹ Provisional² Excluding Agalega and St Brandon³ National Parks and Conservation Service.⁴ Labour force, employment and unemployment, 16 years and over.

Table 6.2 - Evolution of the population by urban¹/rural residence and sex between the 2000 and 2011 censuses

Urban\Rural Residence	2000 census ²			2011 census ²			Intercensal increase	
	Both sexes	Male	Female	Both sexes	Male	Female	Number	Annual average (%)
Island of Mauritius	1,143,069	566,056	577,013	1,196,383	590,944	605,439	53,314	0.41
Urban population	503,045	247,844	255,201	499,349	244,688	254,661	-3,696	-0.07
Port Louis	144,303	71,720	72,583	137,608	68,370	69,238	-6,695	-0.43
Beau Bassin/Rose Hill	103,872	50,730	53,142	103,098	51,114	51,984	-774	-0.07
Quatre Bornes	75,884	37,306	38,578	75,613	36,870	38,743	-271	-0.03
Vacoas/Phoenix	100,066	49,452	50,614	105,559	50,963	54,596	5,493	0.48
Curepipe	78,920	38,636	40,284	77,471	37,371	40,100	-1,449	-0.17
Rural population	640,024	318,212	321,812	697,034	346,256	350,778	57,010	0.77

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 2000 and 2011 censuses

Geographical district	2000 census ¹			2011 census ¹			Intercensal increase	
	Both sexes	Male	Female	Both sexes	Male	Female	Number	Annual average (%)
Port Louis	127,855	63,458	64,397	118,431	58,615	59,816	-9,424	-0.69
Pamplemousses	122,252	60,533	61,719	136,268	67,898	68,370	14,016	0.98
Riviere du Rempart	98,854	49,116	49,738	106,267	52,672	53,595	7,413	0.65
Flacq	126,839	63,549	63,290	135,406	67,156	68,250	8,567	0.59
Grand Port	106,665	53,011	53,654	110,907	55,066	55,841	4,242	0.35
Savanne	66,356	32,787	33,569	67,906	33,485	34,421	1,550	0.21
Plaine Wilhems	358,182	175,852	182,330	362,292	176,603	185,689	4,110	0.10
Moka	75,479	37,275	38,204	82,301	40,909	41,392	6,822	0.78
Black River	60,587	30,475	30,112	76,605	38,540	38,065	16,018	2.13
Island of Mauritius	1,143,069	566,056	577,013	1,196,383	590,944	605,439	53,314	0.41

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

Table 6.4 - Age distribution of the population¹ as enumerated at the 2000 and 2011 censuses

Age group (Years)	2000				2011			
			Both sexes				Both sexes	
	Male	Female	Number	%	Male	Female	Number	%
0	9,163	8,965	18,128	1.6	5,827	5,823	11,680	1.0
1 - 4	36,697	35,910	72,607	6.3	28,973	28,647	57,620	4.8
5 - 9	51,229	50,271	101,500	8.9	42,832	41,996	84,828	7.1
10 - 14	47,438	46,410	93,848	8.2	45,370	44,436	89,806	7.5
15 - 19	49,447	48,126	97,573	8.5	48,975	48,462	97,437	8.1
20 - 24	53,325	53,993	107,318	9.4	45,433	44,286	89,719	7.5
25 - 29	45,390	45,656	91,046	8.0	44,037	43,709	87,746	7.3
30 - 34	48,739	48,307	97,046	8.5	50,524	49,512	100,536	8.4
35 - 39	50,503	49,151	99,654	8.7	42,879	42,158	85,037	7.1
40 - 44	44,739	43,568	88,307	7.7	43,929	42,956	86,885	7.3
45 - 49	38,340	38,069	76,409	6.7	48,658	48,361	97,019	8.1
50 - 54	27,168	28,556	55,724	4.9	41,896	42,290	84,186	7.0
55 - 59	18,623	20,647	39,270	3.4	34,923	36,568	71,491	6.0
60 - 64	14,808	17,248	32,056	2.8	26,528	29,623	56,151	4.7
65 - 69	11,404	13,602	25,006	2.2	15,357	19,024	34,381	2.9
70 - 74	9,267	11,954	21,221	1.9	10,590	13,932	24,522	2.0
75 - 79	5,905	8,681	14,586	1.3	7,112	10,377	17,489	1.5
80 - 84	2,506	4,416	6,922	0.6	4,048	7,021	11,069	0.9
85 +	1,324	3,410	4,734	0.4	2,697	5,991	8,688	0.7
Age unknown	41	73	114	0.0	356	237	593	0.0
All ages	566,056	577,013	1,143,069	100.0	590,944	605,439	1,196,383	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 – 2011

Republic of Mauritius				Island of Mauritius			Island of Rodrigues		
Census date	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 (%)
20 th November 1851	181,318	92	...	180,823	97	2.55	495	5	...
8 th April 1861	310,743	158	5.91	310,050	166	5.91	693	7	3.65
11 th April 1871	317,150	161	0.20	316,042	169	0.19	1,108	11	4.80
4 th April 1881	361,305	184	1.31	359,874	193	1.31	1,431	14	2.59
6 th March 1891	372,656	189	0.31	370,588	199	0.29	2,068	20	3.75
1 st April 1901	374,185	190	0.04	371,023	199	0.01	3,162	30	4.34
31 st March 1911	373,620	190	-0.02	368,791	198	-0.06	4,829	46	4.33
21 st May 1921	383,069	195	0.25	376,485	202	0.21	6,584	63	3.15
26 th April 1931	401,440	204	0.47	393,238	211	0.44	8,202	79	2.22
11 th June 1944	431,070	219	0.55	419,185	225	0.49	11,885	114	2.89
30 th June 1952	514,748	261	2.24	501,415	269	2.26	13,333	128	1.45
30 th June 1962 ²	699,954	356	3.12	681,619	366	3.12	18,335	176	3.24
30 th June 1972 ²	850,968	432	1.97	826,199	443	1.94	24,769	238	3.05
2 nd July 1983 ²	999,945	508	1.48	966,863	518	1.44	33,082	318	2.67
1 st July 1990 ³	1,056,660	537	0.79	1,022,456	548	0.80	34,204	329	0.48
2 nd July 2000 ³	1,178,848	599	1.10	1,143,069	613	1.12	35,779	344	0.45
3 rd July 2011	1,236,817	628	0.48	1,196,383	608	0.46	40,434	389	1.11

¹excluding Agalega and St Brandon²"de facto" population³"de jure" population

Table 6.6 - Growth of the resident population and vital statistics - Republic of Mauritius ¹, 2002– 2011

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	
2002	1,205,388	19,983	8,310	11,673	-569	11,104	0.97	-0.05	0.92	1,216,492
2003	1,216,492	19,343	8,520	10,823	+524	11,347	0.89	+0.04	0.93	1,227,839
2004	1,227,839	19,230	8,475	10,755	-822	9,933	0.88	-0.07	0.81	1,237,772
2005	1,237,772	18,820	8,646	10,174	+350	10,524	0.82	+0.03	0.85	1,248,296
2006	1,248,296	17,604	9,162	8,442	-300	8,142	0.68	-0.02	0.66	1,256,438
2007	1,256,438	17,034	8,498	8,536	-400	8,136	0.68	-0.03	0.65	1,264,574
2008	1,264,574	16,372	9,004	7,368	-200	7,168	0.58	-0.02	0.56	1,271,742
2009	1,271,742	15,344	9,224	6,120	-300	5,820	0.48	-0.02	0.46	1,277,562
2010	1,277,562	15,005	9,131	5,874	-310	5,564	0.46	-0.02	0.44	1,283,126
2011	1,283,126	14,701	9,170	5,531	-262	5,269	0.43	-0.02	0.41	1,288,395

¹ Excl. Saint Brandon and Agalega**Table 6.7 - Life Expectancy at birth, 2002 - 2011**

Year	2002	2003	2004	2005	2006	2007	2008	2009	2010 ¹	2011 ²
Male	68.6	68.7	68.7	68.9	69.1	69.2	69.4	69.5	69.7	69.8
Female	75.3	75.4	75.5	75.7	75.9	76.1	76.6	76.7	77.0	77.1

¹ Revised¹ Provisional**Table 6.8 - Infant mortality ¹ rate by geographical district, 2002 – 2011**

Geographical district	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Port Louis	13.8	9.7	17.9	18.8	13.9	20.2	16.7	11.6	16.7	10.3
Pamplemousses	11.9	12.7	16.4	16.6	21.3	11.6	15.7	13.7	8.5	16.3
Riviere du Rempart	19.1	8.7	17.8	12.7	15.2	17.1	11.7	12.7	13.7	9.5
Flacq	12.5	9.5	12.5	11.1	11.2	20.5	14.5	11.6	10.2	12.7
Grand Port	20.9	17.2	17.0	13.2	15.7	11.2	13.2	15.1	11.7	10.7
Savanne	17.6	13.2	17.6	13.8	7.2	11.4	16.7	14.9	15.1	17.5
Plaines Wilhems	11.8	13.9	9.8	10.7	11.0	16.4	13.7	13.8	13.0	11.9
Moka	13.4	12.0	14.9	17.7	12.7	13.9	10.5	16.1	13.2	11.3
Black River	18.4	14.5	8.5	8.1	13.7	7.5	16.0	11.8	10.2	16.8
Island of Mauritius	14.5	12.4	14.0	13.2	13.5	15.3	14.3	13.3	12.4	12.6

¹ The number of infant deaths in a year per 1,000 live births during the year

Table 6.9 - Number of buildings by type, Republic of Mauritius, 2000 and 2011 Housing Censuses

Type of building	Number		%	
	2000	2011	2000	2011
Under construction and not inhabited	12,110	13,027	4.5	4.1
Wholly residential	228,977	261,612	85.4	84.0
Partly residential	11,418	17,130	4.3	5.5
Hotels, Tourist residence & Guest house	367	1,162	0.1	0.4
Institutions	148	194	0.0	0.1
Non - residential	15,282	18,405	5.7	5.9
All buildings	268,302	311,530	100.0	100.0

Table 6.10 - Residential and partly residential buildings ¹ by type, Republic of Mauritius, 2000 and 2011 Housing Censuses

Type of building	Number		%	
	2000	2011	2000	2011
Building used as one housing unit (Separate houses)	193,391	213,944	81.0	77.0
Semi-detached houses and block of flats	27,507	45,166	11.5	16.2
Partly residential buildings	11,418	17,130	4.8	6.2
Other dwellings	6,612	1,773	2.7	0.6
Total	238,928	278,013	100.0	100.0

¹ Figures exclude detached rooms (1,500 for 2000 and 729 for 2011), used as part of household

Table 6.11 – Residential and partly residential buildings¹ by type of wall and roof materials, Republic of Mauritius, 2000 and 2011 Housing Censuses.

Type of construction materials	Number				Change 2000-2011	
	2000		2011		No.	%
	No.	%	No.	%		
Concrete walls and roof	206,210	86.3	255,746	92.0	49,546	24.0
Concrete walls & iron/tin roof	9,416	4.0	7,440	2.7	-1,960	-20.9
Iron/tin walls and roof	19,345	8.1	12,608	4.5	-6,692	-34.7
Wood walls & iron/tin/shingle roof	2,198	0.9	1,025	0.4	-1,175	-53.4
Other	1,759	0.7	1,194	0.4	-606	-33.7
Total	238,928	100.0	278,013	100.0	39,113	16.4

¹ Figures exclude detached rooms (1,500 for 2000 and 729 for 2011), used as part of household

Table 6.12 - Distribution of housing units by occupancy status, Republic of Mauritius, 2000 and 2011 Housing Censuses

Type of occupancy	2000		2011	
	Number	%	Number	%
Housing units occupied as:				
Principal residence	278,226	93.5	325,759	90.7
Secondary residence	3,932	1.3	5,271	1.5
Vacant housing units	15,513	5.2	27,985	7.8
Total	297,671	100.0	359,015	100.0

Table 6.13 - Main energy indicators, Republic of Mauritius, 2002 – 2011

Details	Unit	2002	2003	2004	2005	2006	2007	2008	2009	2010 ¹	2011 ²
Total primary energy requirement	ktoe	1157.3	1222.8	1255.8	1293.2	1376.8	1381.8	1404.4	1346.9	1430.7	1426.8
<i>Imported</i>	<i>ktoe</i>	<i>898.8</i>	<i>956.3</i>	<i>980.1</i>	<i>1030.5</i>	<i>1122.1</i>	<i>1136.0</i>	<i>1140.9</i>	<i>1110.6</i>	<i>1189.0</i>	<i>1195.7</i>
<i>Local</i>	<i>ktoe</i>	<i>258.6</i>	<i>266.5</i>	<i>275.7</i>	<i>262.6</i>	<i>254.6</i>	<i>245.8</i>	<i>263.5</i>	<i>236.3</i>	<i>241.6</i>	<i>231.1</i>
Total primary energy requirement index (1990=100)		158.4	167.3	171.8	177.0	188.4	189.1	192.2	184.3	195.8	195.2
Annual increase	%	-2.1	+5.7	+2.7	+3.0	+6.5	+0.4	+1.6	-4.1	+6.2	-0.3
Import dependency	%	77.7	78.2	78.0	79.7	81.5	82.2	81.2	82.5	83.1	83.8
Energy intensity	<i>toe per Rs.100,000 GDP</i>	1.62	1.66	1.63	1.66	1.69	1.60	1.54	1.43	1.46	1.40
Per capita primary energy requirement	<i>toe</i>	0.96	1.00	1.02	1.04	1.10	1.10	1.11	1.06	1.12	1.11
Per capita final energy consumption	<i>toe</i>	0.63	0.67	0.68	0.68	0.70	0.68	0.66	0.63	0.67	0.67
Per capita consumption of electricity sold	<i>KWh</i>	1248	1330	1382	1430	1501	1567	1619	1623	1697	1733

¹ Revised² provisional

Table 6.14 - Primary energy requirement (Energy unit), Republic of Mauritius, 2002 – 2011

	Thousand tonnes of oil equivalent (ktoe)									
	2002	2002	2004	2005	2006	2007	2008	2009	2010	2011
Imported (Fossil fuel)	898.7	956.2	980.1	1,030.5	1,122.2	1,136.0	1,140.9	1,110.6	1,189.1	1,195.7
Coal	193.9	196.0	179.4	225.6	300.4	355.0	403.9	369.3	414.1	397.7
Petroleum product	704.8	760.2	800.7	805.0	821.8	781.0	737.0	741.2	775.0	798.0
Gasolene	94.5	96.4	97.6	100.1	96.2	106.9	109.5	120.6	127.7	130.0
Diesel Oil	198.7	210.9	216.0	214.2	230.6	207.4	205.4	206.7	213.6	210.1
Dual Purpose Kerosene	127.7	147.4	168.8	171.7	152.7	146.0	140.9	117.2	131.3	138.7
<i>Aviation Fuel</i>	<i>113.3</i>	<i>128.6</i>	<i>142.5</i>	<i>143.1</i>	<i>146.7</i>	<i>143.6</i>	<i>136.9</i>	<i>110.5</i>	<i>123.3</i>	<i>134.4</i>
<i>Kerosene</i>	<i>14.4</i>	<i>18.9</i>	<i>26.3</i>	<i>28.6</i>	<i>6.0</i>	<i>2.4</i>	<i>4.0</i>	<i>6.7</i>	<i>8.0</i>	<i>4.3</i>
Fuel Oil	231.4	249.7	259.1	253.3	273.3	251.9	213.3	227.9	232.2	248.1
LPG	52.5	55.8	59.2	65.7	69.0	68.9	67.9	68.9	70.2	71.1
Local (Renewables)	258.6	266.5	275.7	262.6	254.6	245.8	263.5	236.3	241.6	231.1
Hydro/Winds	7.4	10.1	10.6	9.9	6.6	7.2	9.3	10.7	8.9	5.1
Bagasse ¹	243.9	249.1	257.8	245.1	240.0	230.5	246.4	218.0	225.0	218.1
Fuelwood ¹	7.3	7.3	7.3	7.6	8.0	8.0	7.7	7.7	7.7	7.6
Landfill Gas	-	-	-	-	-	-	-	-	-	0.3
Total	1,157.3	1,222.8	1,255.8	1,293.2	1,376.8	1,381.8	1,404.4	1,346.9	1,430.7	1,426.8

¹estimates**Table 6.15 - Imports of energy sources (Energy unit), Republic of Mauritius, 2002 – 2011**

	Thousand tonnes of oil equivalent (ktoe)									
Energy source	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Gasolene	86.7	93.7	94.7	93.7	96.0	104.1	117.2	112.8	130.6	126.0
Diesel oil	349.9	312.3	322.9	333.2	330.8	310.6	331.7	290.9	313.5	313.0
Dual purpose kerosene	234.5	236.8	267.1	257.9	251.7	277.0	278.8	217.2	251.2	239.6
<i>Kerosene</i>	<i>14.9</i>	<i>21.0</i>	<i>31.0</i>	<i>29.0</i>	<i>6.3</i>	<i>3.9</i>	<i>6.1</i>	<i>4.3</i>	<i>7.0</i>	<i>4.5</i>
<i>Aviation fuel</i>	<i>219.6</i>	<i>215.8</i>	<i>236.1</i>	<i>228.9</i>	<i>245.4</i>	<i>273.1</i>	<i>272.7</i>	<i>212.9</i>	<i>244.2</i>	<i>235.1</i>
Fuel oil	200.2	276.5	277.3	324.0	292.2	320.6	279.4	330.0	327.8	417.4
LPG	58.4	52.7	58.1	67.7	63.5	67.8	68.2	67.6	67.7	71.6
Coal	193.5	179.4	205.7	235.1	304.0	401.6	376.0	347.1	409.6	409.3
Total	1,123.2	1,151.5	1,225.8	1,311.7	1,338.1	1,481.7	1,451.4	1365.6	1500.4	1,576.9

Figure 21 - Imports of energy sources, Republic of Mauritius, 2002 – 2011

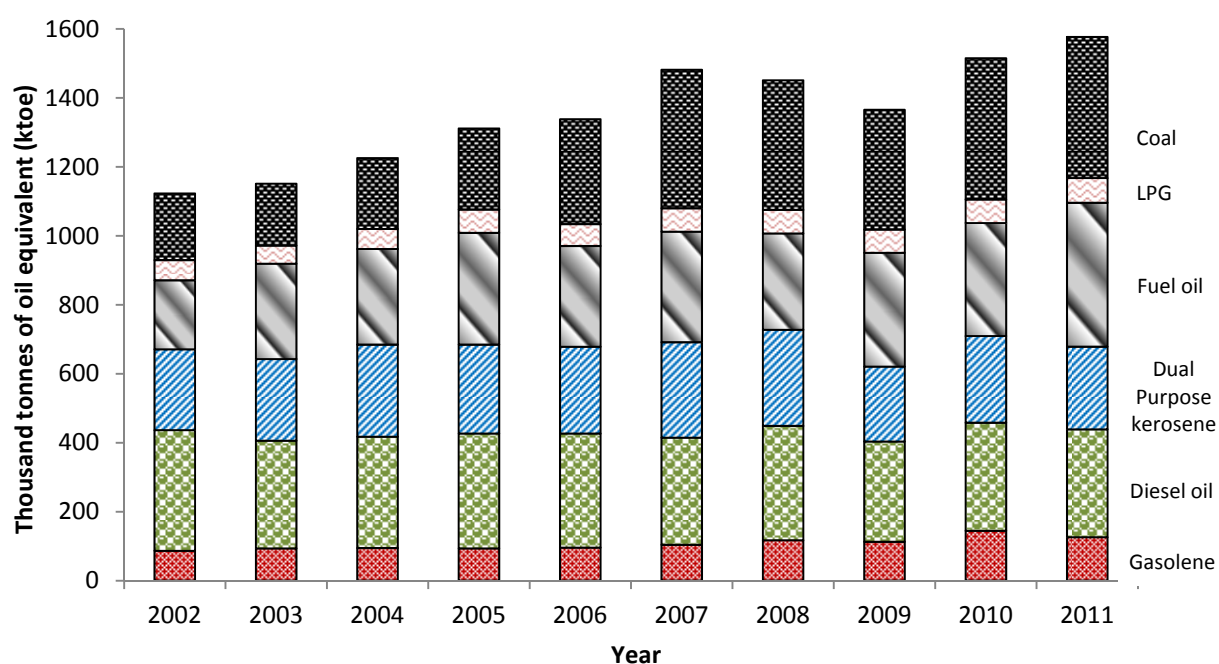


Table 6.16 - Fuel input for electricity production (Energy unit), Republic of Mauritius, 2002 – 2011

Fuel	Thousand tonnes of oil equivalent (ktoe)									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
<u>Island of Mauritius</u>										
Fuel oil	167.9	192.1	206.7	201.7	211.2	187.3	153.9	176.3	182.5	199.3
Diesel oil	2.8	2.4	2.4	1.9	2.3	2.7	1.7	2.6	1.9	1.4
Kerosene	5.7	10.3	17.2	18.4	1.9	1.1	2.2	5.1	6.3	3.8
Coal	177.9	178.0	164.4	211.2	286.9	342.6	378.0	356.0	398.7	382.7
Bagasse ¹	173.1	167.5	174.9	168.9	165.9	166.4	208.2	181.7	182.5	179.1
<u>Island of Rodrigues</u>										
Fuel oil	4.5	4.2	4.6	6.6	6.3	6.5	6.9	6.7	6.5	6.7
Diesel oil	0.7	1.5	1.6	0.2	0.3	0.1	0.2	0.2	0.1	0.2
Total	532.5	556.0	571.8	609.1	674.8	706.7	751.1	728.6	778.4	773.1

¹ Estimates

Table 6.17 - Final energy consumption by sector and type of fuel (Physical unit), Republic of Mauritius, 2002 – 2011

Sector	Unit	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Manufacturing											
Fuel oil	tonne	56,831	51,166	45,868	42,554	53,743	55,722	50,268	43,078	41,472	40,442
Diesel oil	tonne	37,409	41,273	43,372	41,127	49,767	48,336	46,301	45,882	46,543	43,094
LPG	tonne	3,502	2,964	2,756	3,904	3,965	4,068	4,920	5,007	5,122	5,238
Coal	tonne	25,888	29,000	24,220	23,162	21,666	19,964	41,672	21,572	24,786	24,091
Fuel wood ¹	tonne	1,450	1,430	1,415	1,400	1,425	1,425	1,425	1,426	1,426	1,425
Electricity	GWh	711.7	742.2	768.9	778.3	841.2	879.6	912.9	897.2	934.3	918.4
Bagasse ¹	tonne	442,722	510,246	518,379	476,198	463,563	400,646	239,276	226,759	265,988	244,288
Transport											
Land											
LPG	tonne	1,216	2,223	2,691	6,726	6,887	6,633	5,184	4,587	4,641	4,502
Gasolene	tonne	85,028	86,284	88,011	89,498	86,886	96,463	98,867	108,871	115,266	117,370
Diesel oil	tonne	152,263	160,138	162,971	165,344	172,504	150,717	151,840	152,631	159,471	159,904
Air											
Aviation fuel (local aircraft)	tonne	108,972	123,627	137,002	137,560	141,053	138,104	131,631	106,246	118,553	129,170
Sea											
Gasolene	tonne	2,479	2,958	2,339	3,175	2,231	2,477	2,539	2,796	2,960	3,014
Diesel oil	tonne	1,074	1,129	1,149	1,166	1,185	1,062	1,070	1,076	1,124	1,127
Fuel oil	tonne	4,608	4,449	3,989	4,209	4,355	4,845	4,371	3,746	3,537	3,449
Household											
Kerosene	tonne	8,409	8,265	8,726	9,765	3,923	1,238	1,772	1,476	1,731	515
LPG	tonne	39,023	40,559	42,856	43,206	41,599	42,088	42,394	43,237	44,059	44,640
Fuel wood ¹	tonne	15,850	15,780	15,940	16,540	17,473	17,497	16,726	16,619	16,597	16,336
Charcoal ¹	tonne	130	125	120	130	123	126	119	119	119	116
Electricity	GWh	532.5	564.6	575.0	607.5	617.9	643.0	652.2	680.1	710.7	725.3
Commercial and Distributive Trade											
LPG	tonne	4,559	5,749	6,372	6,985	11,436	10,927	10,094	10,575	10,925	11,260
Charcoal ¹	tonne	340	350	360	380	393	407	422	437	453	469
Electricity	GWh	424.9	479.3	516.2	556.4	581.8	617.9	672.7	704.2	748.0	792.6
Agriculture											
Diesel oil ¹	tonne	2,430	2,410	2,375	2,345	2,289	2,456	2,241	2,286	2,325	2,344
Electricity	GWh	27.5	27.0	23.8	27.1	28.7	28.2	25.8	20.5	23.8	22.5

¹ estimates

Table 6.18 - Final energy consumption by sector (Energy unit), Republic of Mauritius, 2002 – 2011

Sector	Thousand tonnes of oil equivalent (ktoe)									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Manufacturing	244.8	258.0	255.4	244.6	266.6	259.4	243.5	220.5	231.2	221.8
Transport	368.5	394.5	412.6	422.6	430.0	415.6	410.6	394.9	421.6	435.2
Household	102.8	107.0	111.0	115.4	108.9	108.8	110.2	113.1	116.9	117.4
Commercial and Distributive Trade	41.7	47.7	51.5	55.7	62.7	65.2	69.1	72.3	76.4	80.7
Agriculture	4.8	4.8	4.4	4.7	4.8	4.9	4.5	4.1	4.4	4.3
Other (n.e.s) and losses	2.4	2.9	3.2	3.0	3.3	3.6	3.8	3.7	3.6	2.9
TOTAL	765.0	814.9	838.1	846.1	876.3	857.5	841.6	808.6	854.1	862.2

Table 6.19 - Percentage share of final energy consumption by sector, Republic of Mauritius, 2002 – 2011

Sector	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Manufacturing	32.0	31.7	30.5	28.9	30.4	30.3	28.9	27.3	27.1	25.7
Transport	48.2	48.4	49.2	50.0	49.1	48.5	48.8	48.8	49.4	50.5
Household	13.4	13.1	13.2	13.6	12.4	12.7	13.1	14.0	13.7	13.6
Commercial and Distributive trade	5.5	5.9	6.1	6.6	7.2	7.6	8.2	8.9	8.9	9.4
Agriculture	0.6	0.6	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5
Other (n.e.s) and losses	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.3
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

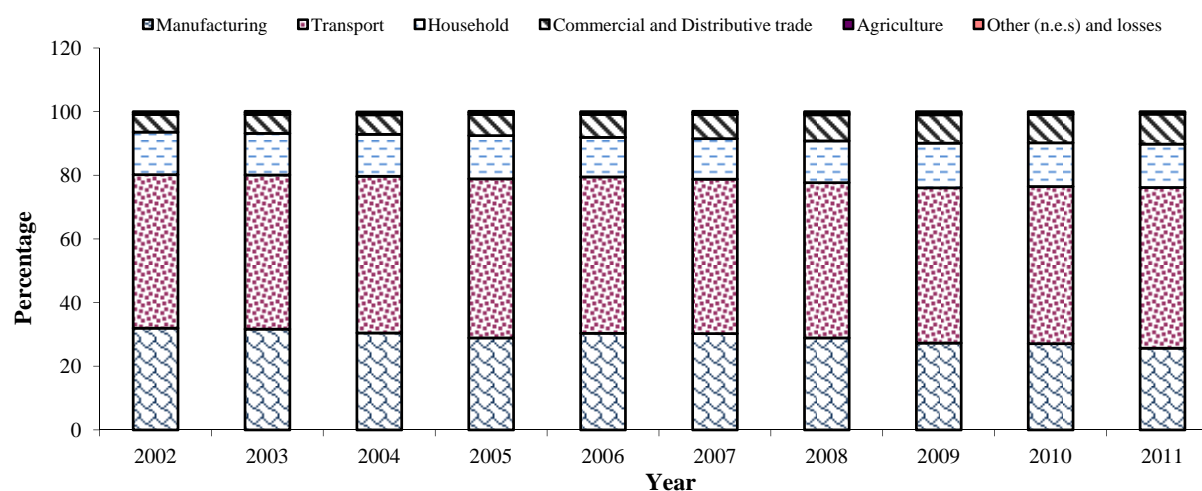
Figure 22 - Percentage share of final energy consumption by sector, Republic of Mauritius, 2002 - 2011

Table 6.20 - Vehicles ¹ registered by type, 2002 – 2011

Type of vehicle	Number									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Car	63,307	68,524	77,342	84,818	91,911	99,770	109,507	117,890	127,363	136,225
<i>(of which taxi car)</i>	<i>(5,801)</i>	<i>(5,979)</i>	<i>(6,482)</i>	<i>(6,798)</i>	<i>(6,860)</i>	<i>(6,885)</i>	<i>(6,941)</i>	<i>(6,921)</i>	<i>(6,924)</i>	<i>(6,907)</i>
Dual purpose vehicle	38,129	39,383	40,667	42,026	43,221	44,635	46,021	47,146	48,271	49,132
Heavy motor car	944	958	1,020	1,045	1,118	1,223	1,290	1,275	1,249	1,230
Motor cycle	25,723	26,744	28,646	30,927	33,936	36,969	40,804	44,222	48,655	53,410
Auto cycle	97,078	98,858	100,854	102,503	104,238	105,637	107,184	108,713	110,674	112,296
Lorry and truck	11,236	11,501	11,774	12,047	12,272	12,536	12,726	12,950	13,186	13,539
Van	21,750	22,496	23,326	23,989	24,522	24,934	25,334	25,622	25,914	26,090
Bus	2,450	2,460	2,457	2,560	2,612	2,753	2,762	2,803	2,845	2,912
Tractor and dumper	2,683	2,877	2,935	2,982	3,001	3,025	3,045	3,102	3,119	3,173
Prime mover	349	369	388	412	436	452	505	558	596	650
Trailer	1,770	1,772	1,771	1,765	1,756	1,795	1,809	1,823	1,821	1,834
Road roller	101	100	99	96	96	96	96	97	98	99
Other	321	329	326	326	321	320	323	319	324	329
Total	265,841	276,371	291,605	305,496	319,440	334,145	351,406	366,520	384,115	400,919

¹ Excluding pedal cycles, but including government vehicles

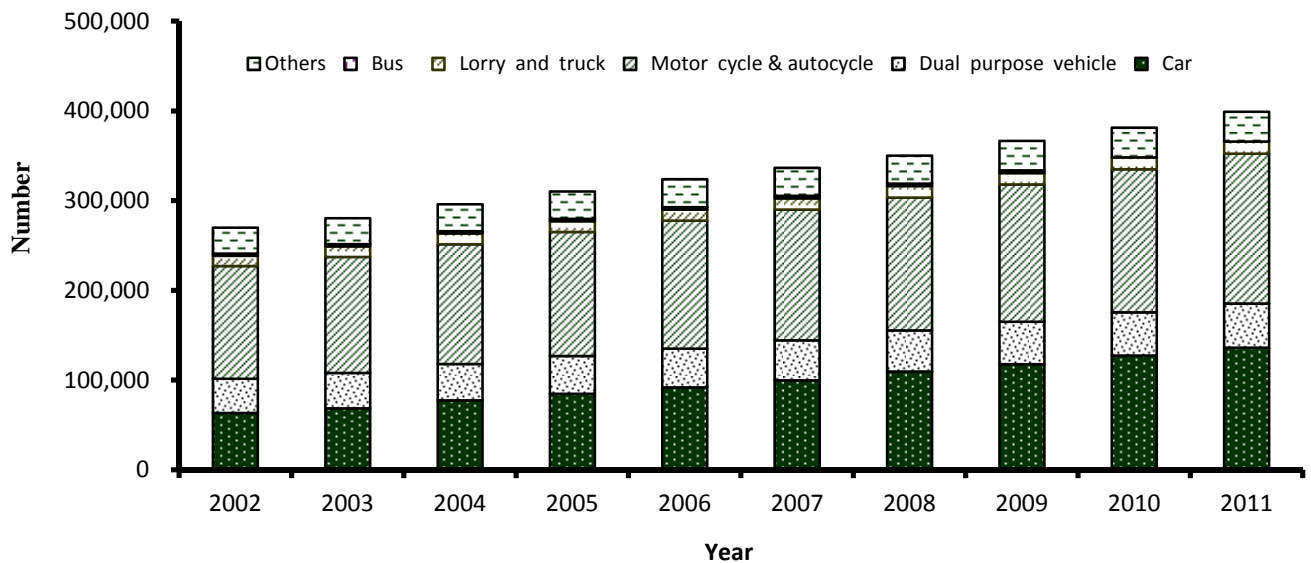
Figure 23 - Vehicles registered by type, 2002 – 2011

Table 6.21 - Road traffic accidents ¹ and casualties, 2002 – 2011

	2002	2003	2004	2005	2006	2007	2008	2009	2010 ²	2011
1. Road traffic accidents:										
Number	18,022	19,178	19,495	22,554	20,242	20,519	20,873	19,542	21,243	22,536
Rate per 100,000										
Population	1,535	1,616	1,629	1,869	1,665	1,678	1,696	1,579	1,709	1,806
Rate per 1,000 registered motor vehicles	69	72	69	76	65	63	61	54	57	58
2. Motor vehicles involved :										
Number	33,119	35,239	35,506	43,741	40,023	41,178	42,910	38,058	41,084	41,294
Rate per 1,000 registered motor vehicles	127	133	126	148	129	127	125	106	110	106
3. Casualties :										
Total number of casualties	2,904	2,698	2,951	2,760	2,522	3,055	3,435	3,661	3,640	3,541
Fatal	158	131	144	136	134	140	168	140	158	152
Seriously injured	216	291	245	358	348	500	512	516	569	549
Slightly injured	2,530	2,276	2,562	2,266	2,040	2,415	2,755	3,005	2,913	2,840
4. Fatality :										
Rate per 100,000 population	13.5	11.0	12.0	11.3	11.0	11.4	13.6	11.3	12.7	12.2
Rate per 1,000 registered motor vehicle	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4
Fatality Index ³	5.4	4.8	4.9	4.9	5.3	4.6	4.9	3.8	4.3	4.3

¹ Exclude number of accidents involving bicycles only or bicycle and pedestrian

² Revised

³ Fatality index is the number of fatalities per 100 casualties

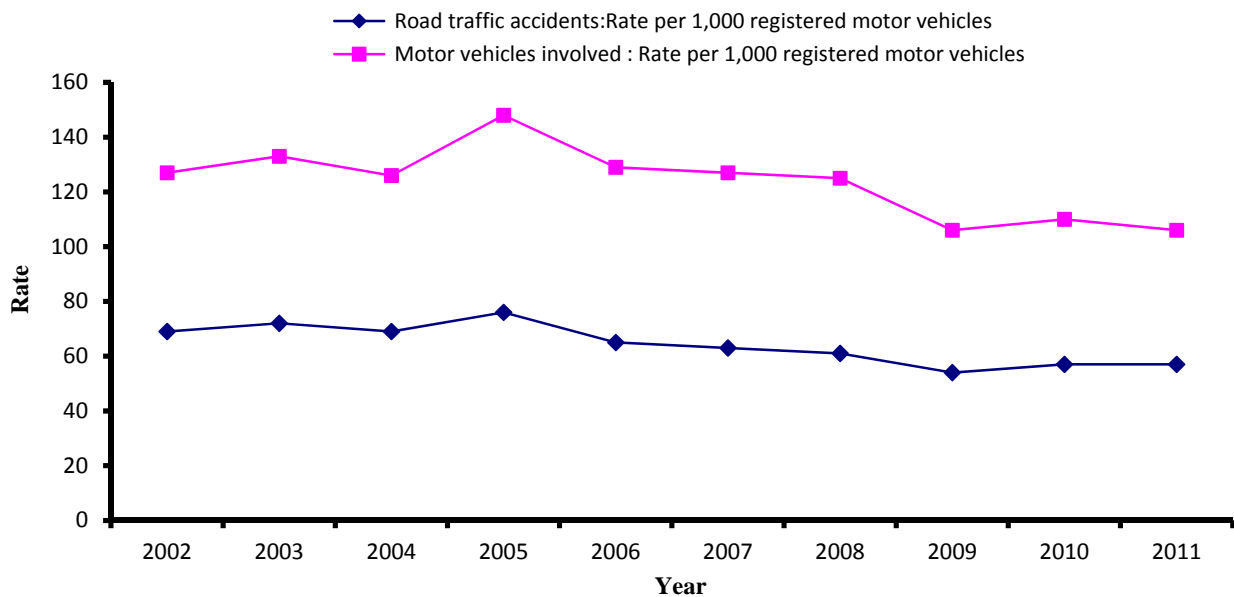
Figure 24 - Road traffic accidents and motor vehicles involved, 2002 – 2011

Table 6.22 - Imports of motor spirit and gas oil, 2007 – 2011

	Unit	2007	2008	2009	2010	2011 ¹
Motor spirit (Gasolene)						
Quantity	000 litres	125,919	141,913	135,755	157,301	151,337
Value	CIF Rs '000	2,180,054	2,690,298	2,022,369	3,084,361	3,431,101
Gasoil (Diesel)						
Quantity	000 litres	369,513	397,859	346,171	372,700	374,864
Value	CIF Rs '000	6,442,993	8,908,957	4,852,942	6,945,099	8,685,719

¹ Provisional

Figure 25 - Imports of motor spirits and gas oil, 2007 – 2011

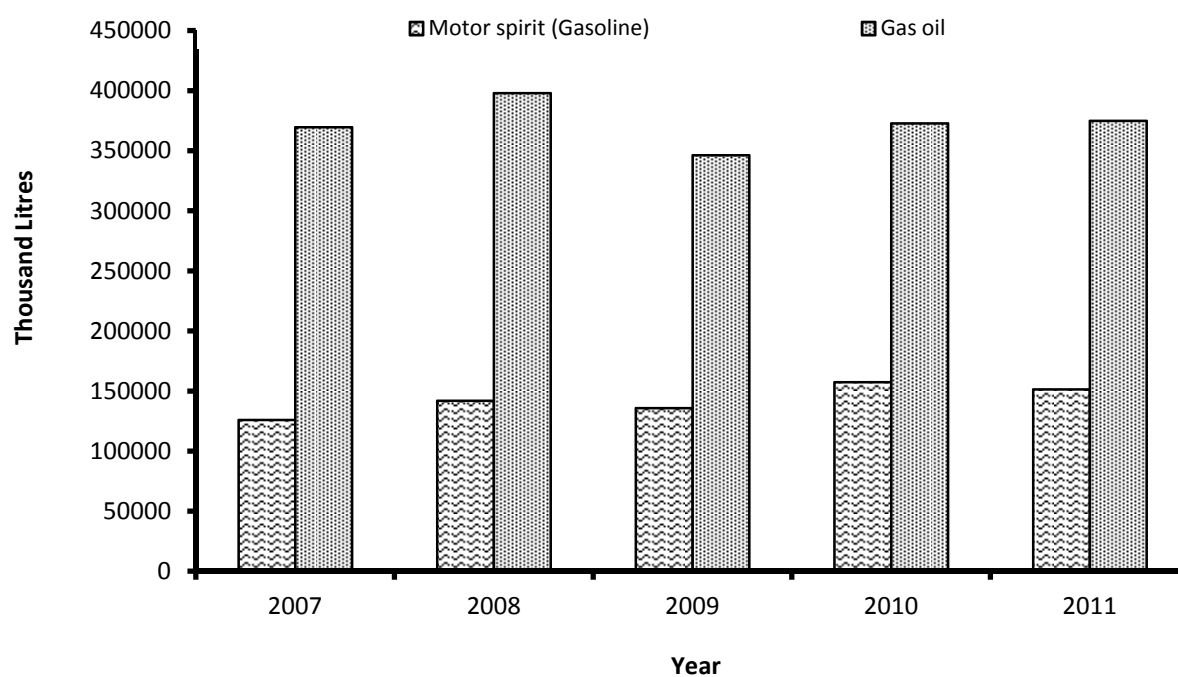


Table 6.23 - Imports of lubricating oils and greases by country of origin, 2007 – 2011

Item	Country of origin	2007		2008		2009		2010		2011 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	144	13,038	198	16,116	175	16,455	236	20,759	374	32,941
	Japan	14	1,062	20	1,651	7	1,370	38	4,980	27	4,338
	Singapore	2,192	106,746	1,914	99,429	1,607	80,334	2,196	145,292	1,941	160,638
	South Africa Rep.	3,443	167,982	2,275	127,131	3,050	160,482	3,329	209,610	2,586	194,984
	Thailand	30	1,637	677	37,040	643	29,303	732	30,062	16	923
	United Kingdom	64	5,640	32	3,426	43	4,233	52	7,750	68	15,236
	United States	81	15,695	68	13,067	57	14,577	13	2,220	11	1,675
	Other countries	1,254	60,353	1,208	64,076	1,452	78,327	1,493	85,746	1,480	87,425
		7,222	372,153	6,392	361,936	7,034	385,081	8,089	506,419	6,503	498,160
Lubricating greases containing not less than 70% by weight of petroleum products	France	1	146	5	709	2	636	2	655	3	872
	Singapore	8	506	3	287	2	459	-	25	-	48
	South Africa Rep.	71	5,659	92	7,242	64	4,451	57	6,823	137	14,807
	Thailand	-	-	11	779	11	835	-	-	-	62
	Other countries	37	2,497	108	5,437	9	2,754	60	5,714	47	4,778
		117	8,808	219	14,454	97	9,135	119	13,217	187	20,567

¹ Provisional

Table 6.24 - Air transport, 2002 – 2011

Year	Number of movements ¹		Freight	
	Landings	Take – offs	Unloaded (Tonnes)	Loaded (Tonnes)
2002	9,172	9,170	19,114	25,662
2003	9,455	9,454	20,029	24,338
2004	9,316	9,315	22,381	26,049
2005	9,705	9,820	23,920	25,185
2006	9,211	9,232	21,218	24,389
2007	8,543	8,418	22,663	24,894
2008	9,384	9,393	22,152	24,522
2009	9,824	9,383	20,400	21,924
2010	10,160	10,160	23,992	24,267
2011	10,121	10,097	21,707	23,414

¹ As from 2005, excludes ferry flights (empty flights)

Table 6.25 - Tourist¹ arrivals by mode of transport and tourist nights spent during period, 2002 – 2011

Period	Tourist arrivals during period			Tourist nights spent during period ²	% change over previous year	
	Sea	Air	Total		Tourist arrivals	Tourist nights
2002	14,180	667,468	681,648	6,768,870	+ 3.2	+ 3.7
2003	12,155	689,863	702,018	6,952,313	+ 3.0	+ 2.7
2004	11,390	707,471	718,861	7,118,603	+ 2.4	+ 2.4
2005	13,321	747,742	761,063	7,498,251	+ 5.9	+ 5.3
2006	13,249	775,027	788,276	7,760,679	+ 3.6	+ 3.5
2007	12,163	894,808	906,971	8,986,934	+ 15.1	+ 5.8
2008	15,961	914,495	930,456	9,218,965	+ 2.6	+ 2.6
2009	23,265	848,091	871,356	8,639,304	- 6.4	- 6.3
2010	23,648	911,179	934,827	9,495,000	+ 7.3	+ 9.9
2011	25,047	939,595	964,642	9,730,000	+ 3.2	+ 2.5

¹ A tourist is defined as a non - resident staying in the island for more than 24 hours but less than a year

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

Table 6.26 - Broadcasting services (end of period), Republic of Mauritius, 2002 – 2011

	Unit	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
A. Sound											
Channels	Number	8	8	8	8	8	9	9	9	10	10
Transmitters	"	21	36	36	36	36	44	45	47	63	67
Aerial output:											
Medium wave	kW	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2
F.M.	kW	1 / 0.5	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2
Weekly transmission time	Hour	1,344	1,848	1,848	1,848	1,848	2,016	2,016	2,016	2,184	2,184
Private operators	Number	3	3	3	3	3	3	3	3	3	3
B. Television											
Channels ¹	Number	4	4	10	10	10	15	20	20	25	25
Transmitters	"	78	86	89	129	140	160	165	168	208	208
Aerial output (ERP)	kW	0.4 - 30	0.4 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 31
Weekly transmission time	Hour	672	1,008	2,016	2,016	2,016	2,520	3,360	3,360	4,200	4,200
Television sets licensed											
Isl. of Mauritius	Number	236,551	253,126	254,000	268,875	269,166	280,675	308,194	305,010	304,616	306,007
Isl. of Rodrigues	"	4,934	6,286	6,300	6,880	8,228	9,255	9,763	9,967	10,145	10,424
Private operators	"	3	2	2	3	3	2	2	3	3	3

¹ transmission of same channels on analogue and digital has been counted as two channels
Source: Mauritius Broadcasting Corporation and Multicarrier (Mauritius) Ltd

Table 6.27 - Telephone services (end of period), 2002 – 2011

	Unit	2002	2003	2004	2005	2006	2007	2008	2009	2010 ¹	2011 ²
Total line capacity of local exchanges	Number	335,000	351,146	368,481	396,797	446,797	531,551	497,194	443,239	452,927	604,500
Main telephone lines in operation	"	325,774	348,202	353,808	357,490	357,340	361,319	363,536	375,160	387,700	374,600
Cellular mobile telephone subscribers	"	366,438	466,327	547,831	656,828	772,395	928,622	1,033,259	1,086,748	1,190,900	1,294,100
National telephone traffic (calls) ³	000	539,243	543,041	534,531	543,284	537,137	513,377	449,071	452,530	440,323	422,044
International outgoing telephone traffic:											
(a) calls	000	12,627	13,406	14,831	19,046	19,701	21,386	13,401	64,646	42,364	18,424
(b) duration	000 minutes	36,516	43,416	45,539	58,450	59,741	71,412	107,028	123,317	132,317	134,189

Source: Information & Communication Technologies Authority (ICTA)

¹ Revised² Provisional³ Calls irrespective of duration from fixed telephone**Table 6.28 – Health related statistics, 2004 – 2011**

Year	2004	2005	2006	2007	2008	2009	2010	2011
No of doctors (public sector) ¹	775	777	856	844	852	887	967	970
No of doctors (public and private sectors) ¹	1,303	1,342	1,400	1,425	1,450	1,475	1,500	1,561
No of nurses and midwives (public and private sector) ¹	2,937	2,902	3,087	3,300	3,400	3,500	3,600	3,670
No of beds (public and private sectors)	4,073	4,067	4,123	4,080	4,082	4,281	4,188	4,121
No of children immunised against Tuberculosis ²	16,424	16,147	14,700	14,272	13,665	15,821	12,484	12,172
No of children immunised against diphtheria, pertussis, tetanus, Hib and Hepatitis B	16,161	15,670	14,756	13,970	14,635	13,376	12,487	11,896
No of children immunised against Polio 3 rd dose ²	16,246	15,747	14,780	13,976	14,663	13,482	12,587	11,997
No of children immunised against Measles/Mumps/Rubella (MMR) ²	16,184	15,750	15,176	14,400	13,574	13,316	12,499	12,296
No of cases of (Imported) Malaria reported	45	35	38	42	27	23	52	54
No of cases of (Introduced) Malaria reported	3	1	-	-	-	-	-	-

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

¹ Republic of Mauritius² Public sector only

Table 6.29 - Percentage distribution of households by amenities available, Republic of Mauritius, 2000 and 2011 Housing Censuses

Amenity available	Housing census	
	2000 (%)	2011 (%)
1. Electricity	99.0	99.4
2. Water supply :		
Piped water inside house	83.7	94.2
Piped water outside on premises	14.5	5.2
Public fountain, well, river, etc.	1.8	0.6
3. Bathroom		
With running water	89.0	95.5
Without running water	10.1	4.0
None	1.0	0.5
4. Toilet		
Flush toilet	88.8	96.4
Pit latrine	11.0	3.4
Other and None	0.2	0.2
5. Kitchen		
Inside housing unit	87.8	95.5
Outside housing unit	11.4	4.2
None	0.8	0.3
6. Main fuel for cooking :		
Cooking Gas (LPG)	91.5	97.6
Wood and charcoal	4.5	1.9
Kerosene	3.4	0.1
Electricity	0.5	0.3

Table 6.30 - Percentage distribution of households by method of refuse disposal, Republic of Mauritius, 2000 and 2011 Censuses

Refuse disposal	Housing census	
	2000 (%)	2011 (%)
Regular collection	88.7	96.4
Irregular collection	4.9	1.7
Ash pit on premises	3.8	1.0
Dumped on premises/ roadside	2.2	0.7
Used for compost	-	0.1
Other	0.4	0.1
Total	100.0	100.0

Table 6.31 - Private households ¹ by principal fuel used for heating water for bathing ², Republic of Mauritius, 2011 Housing and Population Census

Fuel type	Urban	Rural	Total
Electricity	28,116	13,374	41,490
Gas	80,560	122,866	203,426
Solar	16,119	25,723	41,842
Other	1,521	5,924	7,445
None ³	15,062	32,547	47,609
Not stated	493	53	546
Total	141,871	200,487	342,358

¹ Exclude 27 homeless households

³ Includes households who do not regularly use hot water for bathing

² The water needs not be heated in the bathroom

Table 6.32 - Private households by geographical location and connection to sewerage system - Housing and Population Census 2011

Geographical location	Sewerage system		
	Connected	Not connected	Total
Port Louis	28,442	4,281	32,723
Pamplemoues	3,848	32,302	36,150
Riviere du Rempart	1,473	27,900	29,373
Flacq	-	36,625	36,625
Grand Port	-	30,360	30,360
Savanne	-	18,992	18,992
Plaines Wilhems	39,496	64,425	103,921
Moka	1,372	20,750	22,122
Black River	28	20,997	21,025
Total Island of Mauritius	74,659 (22.5%)	256,632 (77.5%)	331,291 (100.0%)
Island of Rodrigues	-	10,988	10,988
Agalega	-	79	79
Republic of Mauritius	74,659 (21.8%)	267,699 (78.2%)	342,358 (100.0)

Excluding 27 homeless households with a population of 28

Table 6.33 - Number of complaints received at the Pollution Prevention and Control Division by category, 2002 – 2011

Category	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011 ¹
Noise	458	583	444	342	178	135	157	123	160	170
Solid waste	88	88	177	201	137	88	49	136	118	127
Air pollution	229	209	129	154	61	62	57	57	76	96
Waste water	286	155	180	289	92	76	84	72	77	84
Odour	406	344	328	272	121	88	102	88	128	77
Other ²	189	389	447	215	224	119	147	46	63	177
Total	1,656	1,768	1,705	1,473	813	568	596	522	622	731

Source : Ministry of Environment and Sustainable Development

¹ Provisional

² includes Backfilling, erosion, illegal construction, objections to projects, law and order, land conversions, land reclamation, landslides etc

Table 6.34 - Contraventions and notices established by Police De L'Environnement, 2002 – 2011

Type of contravention	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Illegal Littering	3,731	3,965	4,422	3,624	9,427	8,119	8,246	3,402	963	687
Illegal Dumping	39	31	19	14	32	16	51	0	152	35
Noise	156	97	63	30	0	12	91	27	11	34
Smoking in prohibited area	267	40	77	38	63	75	8	48	61	58
Waste carriers offences	70	101	64	18	21	0	8	3	0	0
Setting fire within 50 metres from building/plantation	27	32	11	4	3	0	9	1	0	0
Obstruction	45	39	27	10	1	0	11	0	0	0
Road Traffic Offences	68	65	195	193	372	133	328	134	8	16
Trading without licence/without PER	50	126	100	56	47	47	80	0	41	28
Allowing animal to stray	18	40	15	10	0	0	0	0	2	0
Disturbance	4	11	3	1	1	0	0	0	23	0
Others	231	24	13	15	46	30	90	81	23	15
Total	4,706	4,571	5,009	4,013	10,013	8,432	8,922	3,696	1,284	873
No. of notices issued to drivers of vehicles emitting black smoke	2,764	3,666	4,172	5,156	6,236	3,796	6,782	2,270	1,651	374

Source: Ministry of Environment and Sustainable Development.

Table 6.35 - Employment by industrial group ¹ and sex, March 2011, Republic of Mauritius

Industrial group	Male	Female	Both sexes
<u>Agriculture, forestry and fishing</u>	<u>12,653</u>	<u>2,805</u>	<u>15,458</u>
Sugarcane	7,092	1,232	8,324
Tea	125	207	332
Tobacco	28	71	99
Flower growing	90	138	228
Fishing	610	114	724
Animal Farming	1,033	149	1,182
Agricultural & animal husbandry services	2,825	780	3,605
Forestry, logging & related service activities	755	26	781
Other	95	88	183
<u>Mining and quarrying</u>	<u>77</u>	<u>62</u>	<u>139</u>
<u>Manufacturing</u>	<u>39,759</u>	<u>37,757</u>	<u>77,516</u>
Food:			
Meat and fish processing	3,834	3,537	7,371
Bread	589	109	698
Sugar confectionery, biscuits and other farinaceous products	422	623	1,045
Sugar	1,294	16	1,310
Tea	130	47	177
Other	74	155	229
Beverage and tobacco:			
Distilleries & cigarette manufacture	260	64	324
Wine and beer	1,345	186	1,531
Soft drinks	602	53	655
Textiles	3,344	1,450	4,794
Wearing apparel (except footwear)	13,865	24,820	38,685
Leather products	166	478	644
Footwear	99	76	175
Wood products (except furniture)	282	291	573
Paper products	438	167	605
Printing and publishing	1,926	952	2,878
Chemical products	1,684	562	2,246
Rubber products	104	50	154
Plastic products	881	333	1,214
Non-metallic mineral products:			
Stone and concrete	1,789	143	1,932
Other	207	48	255
Basic metals	134	24	158
Fabricated metal products	2,507	398	2,905
Machinery & equipment	395	47	442
Electrical machinery & apparatus	346	194	540
Radio, television & communication equipment	35	43	78
Medical, optical & photographic equipment	464	470	934
Watches and clocks	279	423	702
Transport equipment	494	26	520

¹Large establishment

Table 6.35 (cont'd) - Employment by industrial group ¹ and sex, March 2011, Republic of Mauritius

Industrial group	Male	Female	Both sexes
Furniture	806	135	941
Jewellery and related articles	671	847	1,518
Other manufacturing industries	293	990	1,283
<u>Electricity, gas and water</u>	<u>3,084</u>	<u>239</u>	<u>3,323</u>
<u>Construction</u>	<u>14,377</u>	<u>781</u>	<u>15,158</u>
<u>Wholesale & retail trade, repair of m/vehicles, motorcycles, personal & household goods</u>	<u>14,764</u>	<u>8,510</u>	<u>23,274</u>
Maintenance & repair of motor vehicles & motorcycles	291	41	332
Sale of motor vehicles, motor cycles & related parts; automotive fuel	1,683	425	2,108
Wholesale trade	7,186	2,763	9,949
Retail trade	5,604	5,281	10,885
<u>Hotels and restaurants</u>	<u>16,913</u>	<u>7,168</u>	<u>24,081</u>
Hotels	15,408	6,264	21,672
Restaurants	1,505	904	2,409
<u>Transport, storage & communication</u>	<u>15,015</u>	<u>3,919</u>	<u>18,934</u>
Bus transport	5,147	229	5,376
Other land transport	818	143	961
Water & air transport	1,506	852	2,358
Cargo handling, storage & warehousing & related activities	4,109	782	4,891
Travel agencies & tour operators	734	684	1,418
Post & telecommunication	2,701	1,229	3,930
<u>Financial intermediation</u>	<u>5,820</u>	<u>5,911</u>	<u>11,731</u>
Banking	3,790	3,650	7,440
Insurance	1,201	1,332	2,533
Other	829	929	1,758
<u>Real estate, renting and business activities</u>	<u>14,802</u>	<u>9,641</u>	<u>24,443</u>
Real estate & renting of equipment	555	216	771
Computer services	2,881	2,905	5,786
Accounting & consultancy services	1,937	1,975	3,912
Architectural & engineering services	1,165	238	1,403
Advertising services	229	134	363
Security services	4,780	445	5,225
Other	3,255	3,728	6,983
<u>Public administration & defence; compulsory social security</u>	<u>29,216</u>	<u>10,048</u>	<u>39,264</u>
<u>Education</u>	<u>10,978</u>	<u>14,473</u>	<u>25,451</u>
<u>Health and social work</u>	<u>7,700</u>	<u>8,296</u>	<u>15,996</u>
Health services	6,851	7,126	13,977
Social work activities	849	1,170	2,019
<u>Other community, social and personal services</u>	<u>5,514</u>	<u>2,416</u>	<u>7,930</u>
Cleaning services	1,803	508	2,311
Recreational & sporting activities	2,982	1,350	4,332
Other	729	558	1,287
Total	190,672	112,026	302,698

Table 6.36 - Number of accidents by economic activity, bodily location and agency, Republic of Mauritius, (Jan - Dec 2011)

Economic Activity	Bodily Location ¹										Material Agency							
	1.Head	2.Neck(including spine & vertebrae in neck)	3.Back, including spine & vertebrae in the back	4.Trunk and internal organs	5.Upper extremities	6.Lower extremities	7.Whole body and multiple sites	8.Other parts of body injured	9.Part of body injured, unspecified	TOTAL	1.Machines	2.Means of transport & lifting equipment	3.Other equipment	4.Materials, substances & radiations	5.Working environment	6.Other agencies, not elsewhere classified	7.Agencies not classified for lack of sufficient data	TOTAL
Agriculture, hunting & forestry	47	2	21	5	74	63	0	12	14	238	8	5	1	0	153	0	71	238
Fishing	0	0	0	0	6	4	0	0	0	10	0	0	0	0	2	0	8	10
Mining & quarrying	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Manufacturing	31	0	38	3	145	71	2	8	18	316	18	8	0	0	125	0	165	316
Electricity, gas & water supply	1	0	0	0	1	0	0	0	0	2	0	0	0	0	2	0	0	2
Construction	47	3	43	4	171	110	2	13	21	414	12	9	12	1	238	2	140	414
Wholesale and retail trade; repair of motor vehicles, motor cycles and personal and household goods	2	2	6	3	42	30	0	5	4	94	5	2	1	0	46	0	40	94
Hotels & restaurants	0	0	0	1	11	16	0	1	1	30	1	2	0	0	17	0	10	30
Transport, storage & communications	19	1	17	6	67	56	2	8	5	181	8	15	1	0	63	0	94	181
Financial intermediation	0	0	0	0	1	3	0	1	0	5	0	1	0	0	3	0	1	5
Real Estate, renting & business activities	3	0	5	0	15	23	0	2	3	51	3	3	0	0	17	0	28	51
Public administration & defence compulsory social security	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Education	0	1	0	0	3	4	0	0	1	9	1	0	0	0	2	0	6	9
Health & social work	5	0	4	0	4	5	1	1	1	21	1	0	0	0	10	0	10	21
Other community, social & personal service activities	0	0	1	2	9	4	0	0	0	16	1	1	0	0	6	0	8	16
Private households with employed persons	2	0	0	0	1	3	0	0	1	7	0	0	0	0	3	0	4	7
Extra-territorial organisations & bodies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	157	9	135	24	550	392	7	51	69	1,394	58	46	15	1	687	2	585	1,394

¹ According to new classification

CHAPTER 7

STATISTICS ON ENVIRONMENT FROM SURVEYS

Table 7.1 - Households with members suffering from health problems related to air pollution by type of problem, Continuous Multi-Purpose Household Survey (CMPHS) 2001 (Republic of Mauritius)

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: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2001

Table 7.2 - Rating of the state of the environment by head of household surveyed, Continuous Multi-Purpose Household Survey (CMPHS) 2001, (Republic of Mauritius)

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

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2001

Table 7.3 – Percentage distribution of households surveyed by specified environment problem, Continuous Multi-Purpose Household Survey (CMPHS) 2002, (Republic of Mauritius)

Environmental problem	Percentage of household affected		
	Not affected at all	Affected to some extent	Seriously affected
Dumping of solid waste	80.4	12.8	6.8
Waste/stagnant water	83.1	10.8	6.1
Stray dogs	62.1	25.6	12.3
Breeding of animals by neighbours	89.6	7.5	2.9
Rats/mice	64.9	26.3	8.8
Presence of crows	90.8	6.8	2.4
Traffic noise	75.7	18.0	6.3
Industrial noise	95.2	3.3	1.5
Other noise	86.8	9.8	3.4
Smoke/dust	81.7	13.0	5.3
Odours	83.1	10.8	6.1

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2002

Table 7.4 - Distribution of households surveyed by methods of carrying goods purchased, Continuous Multi-Purpose Household Survey (CMPHS) 2002, (Republic of Mauritius)

Method of carrying goods purchased	Number of households	%
Plastic bags provided and own bag/basket	4,414	70.1
Only plastic bags provided	1,388	22.0
Own bag/basket only	498	7.9
Total	6,300	100.0

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2002

Table 7.5 - Percentage distribution of households by response on solid waste issues, Continuous Multi-Purpose Household Survey (CMPHS) 2007, (Republic of Mauritius)

Household Response	Yes (%)	No (%)
(i) Prepared to separate waste	87.8	12.2
(ii) Prepared to transport by own means	23.5	76.5
(iii) Satisfied with waste collection	72.3	27.7
(iv) Aware that waste can be composted	70.7	29.3
(v) Do composting	65.0	35.0
(vi) Prepared to make compost	52.2	47.8

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2007

Table 7.6 - Percentage distribution of households by environmental issues, Continuous Multi-Purpose Household Survey (CMPHS) 2007, (Republic of Mauritius)

	Yes (%)	No (%)
1. Awareness of Environmental Programmes		
(i) Aware of Environmental Programmes on		
Radio	82.5	17.5
Television	84.3	15.7
(ii) Listened to or watched Environmental Programmes		
Radio	70.2	29.8
Television	72.8	27.2
2. Participation in Clean up Campaigns		
Participated in Clean up Campaigns	20.0	80.0
3. PET Bins		
(i) Used bins	35.3	64.7
(ii) Reason for not using bins		
a. Not aware	25.4	74.6
b. Not accessible/too far	39.1	60.9
c. No transport available	7.1	92.9
d. Not interested	4.0	96.0
4. Plastic bags		
Used for shopping		
(i) Own bag	96.1	3.9
(ii) Plastic bag provided/sold by sellers	69.7	30.3

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2007

Table 7.7 - Percentage distribution of households surveyed by type of vehicles owned, Continuous Multi-Purpose Household Survey (CMPHS) 2009, (Republic of Mauritius)

Vehicle type	Yes (%)	No (%)
Motorcycle	24.6	75.4
Car	20.1	79.9
Dual Purpose Vehicle	2.3	97.7
Van	4.4	95.6
Truck	1.1	98.9
Other	0.4	99.6

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2009

Table 7.8 - Percentage distribution of households surveyed reporting on average kilometres travelled per year by type of vehicles owned, Continuous Multi - Purpose Household Survey (CMPHS) 2009, (Republic of Mauritius)

Vehicle type	Average kilometres travelled			
	<10,000	10,000 - 15,000	15,001 - 20,000	>20,000
Motorcycle/autocycle gasoline	72.6	19.3	4.6	3.5
Car gasoline	37.7	33.6	14.2	14.5
Car gasoline/gas	24.2	24.2	24.2	27.4
Car diesel	22.1	41.3	11.5	25.0
Car blended ethanol	-	-	-	-
Car other fuel	44.4	22.2	16.7	16.7
Dual Purpose Vehicle gasoline	20.0	32.0	20.0	28.0
Dual Purpose Vehicle gasoline/gas	-	16.7	33.3	50.0
Dual Purpose Vehicle diesel	26.1	31.1	18.5	24.4
Dual Purpose blended ethanol	-	-	-	-
Dual Purpose Vehicle other fuel,	-	100.0	-	-
Van gasoline	40.6	33.3	17.4	8.7
Van gasoline/gas	33.3	22.2	22.2	22.2
Van diesel	27.6	28.6	18.6	25.1
Van blended ethanol	50.0	-	-	50.0
Van other fuel	-	-	-	-
Truck diesel	15.3	27.8	22.2	34.7
Other vehicle and fuel	37.5	16.7	4.2	41.7

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2009

Table 7.9 - Percentage distribution of households surveyed by awareness of global environmental challenges, Continuous Multi - Purpose Household Survey (CMPHS) 2009, (Republic of Mauritius)

Environmental Challenge	Yes (%)	No (%)
Climate change (e.g impacts such as abnormal weather, flooding, cyclone, sea level rise, coastal erosion, etc)	82.7	17.3
Ozone layer depletion (e.g use of substances that deplete ozone layer such as sprays, refrigerators, air conditioned. Also impacts such as skin burnt, skin cancer, eye cataract, etc)	49.8	50.2
Loss of biodiversity (e.g deforestation, extinction of animals, plants, habitat loss, etc)	46.2	53.8
Other (e.g pollutions, oil spills etc)	29.5	70.5

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2009

Table 7.10 - Percentage distribution of households surveyed by type and number of vehicles owned, Continuous Multi-Purpose Household Survey (CMPHS) 2009, (Republic of Mauritius)

Type Number	Motorcycle/Autocycle	Car	Dual Purpose	Van	Truck	Other
0	75.4	79.9	97.7	95.6	98.9	99.6
1	23.1	18.4	2.3	4.3	1.1	0.3
2	1.4	1.6	0.0	0.1	0.0	0.1
3	0.1	0.1	-	-	-	-
3 or more	-	-	-	-	-	-
Total	100	100	100	100	100	100

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2009

Table 7.11 - Percentage distribution of tourists interviewed by rating of the state of the environment at various sites, Survey of outgoing tourists 2000 & 2002

Site	Number of Parties		Very Poor		Poor		Satisfactory		Good		Excellent	
	2000	2002	2000	2002	2000	2002	2000	2002	2000	2002	2000	2002
Beaches	13,166	15,760	0.8	0.5	4.4	4.2	15.6	13.0	57.9	59.8	21.3	22.6
Public places	13,019	15,710	2.0	1.2	16.4	13.0	31.7	26.0	41.6	47.5	8.4	12.3
Tourist Sites	11,708	14,937	0.5	0.3	3.5	3.4	19.4	18.5	61.9	61.3	14.6	16.5
Country in general	13,476	15,906	2.1	0.5	12.2	5.4	28.9	24.2	46	56.4	10.8	13.5

Table 7.11 (Cont'd) - Percentage distribution of tourists interviewed by rating of the state of the environment at various sites, Survey of outgoing tourists 2004 & 2006

Site	Number of Parties		Very Poor		Poor		Satisfactory		Good		Excellent	
	2004	2006	2004	2006	2004	2006	2004	2006	2004	2006	2004	2006
Beaches	16,151	15,648	0.7	0.7	4.1	4.6	11.7	12.5	63.6	56.9	20.0	25.3
Public places	16,189	15,399	1.3	1.2	13.3	10.7	25.5	23.2	50.0	53.0	9.8	11.9
Tourist Sites	15,396	14,669	0.4	0.4	4.7	3.2	18.1	15.8	63.7	63.1	13.0	17.5
Country in general	16,400	15,996	0.6	0.6	6.0	5.2	22.3	20.4	60.0	59.3	11.1	14.5

Table 7.11 (Cont'd) - Percentage distribution of tourists interviewed by rating of the state of the environment at various sites, Survey of outgoing tourists 2009

Site	Number of Parties	Very Poor	Poor	Satisfactory	Good	Excellent
	2009	2009	2009	2009	2009	2009
Beaches	15,428	0.5	5.4	13.4	62.3	18.4
Public places	15,587	1.1	11.2	21.6	57.0	9.1
Tourist Sites	14,699	0.1	2.0	10.3	67.1	20.5
Country in general	15,881	0.2	2.6	12.8	71.2	13.2

TECHNICAL NOTES

Introduction

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

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 2002 to 2011, wherever possible. Environmental data are collected over different 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.

Sources:

The tables and figures have been compiled with the help of the following organisations:

- Ministry of Environment and Sustainable Development
- The Forestry Service - Ministry of Agro Industry and Food Security
- National Parks and Conservation Service - Ministry of Agro Industry and Food Security
- Albion Fisheries Research Centre - Ministry of Fisheries.
- Agricultural Research and Extension Unit (AREU) - Ministry of Agro Industry and Food Security
- The Meteorological Services
- Water Resources Unit - Ministry of Energy and Public Utilities.
- Central Water Authority
- Central Electricity Board
- Statistics Unit – Ministry of Health and Quality of Life.
- Ministry of Local Government and Outer Islands.
- Waste Water Management Authority

Data in tables where sources are not indicated have been extracted from publications of the Statistics Mauritius.

Concepts and definitions

Environment

Environment is the totality of all the external conditions affecting the life, development and survival of an organism.

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

- (i) Weeding: Weeding is defined as the removal of unwanted plants, particularly at seedling stage.
- (ii) Staking: Straightening of young plants bent during cyclones, using guava sticks.
- (iii) 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

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

Greenhouse gases (GHG): These gases occur naturally and result from human activities (production and consumption) that contribute directly or indirectly to global warming. Some main 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 (SO₂), contribute indirectly to global warming. GHG 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.

Water

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.

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.

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.

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.

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

Eutrophication: This is the slow process during which a lake or estuary evolves into a bog or marsh and eventually disappears

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

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

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

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 nitrate can lead to eutrophication.

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

pH Value: Measure of the acidity or alkalinity of a liquid. A pH value in the range of 0 to less than 7 indicates acidity, a pH value in the range of more than 7 to 14 indicates alkalinity, and a pH value of 7 signifies neutrality.

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 phosphate can cause eutrophication.

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

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

Sulphate: Sulphate usually occurs in natural waters. High concentrations of sulphate can have a laxative effect on human beings.

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

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.

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.

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

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

Land

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.

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

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

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.

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

Preliminary environmental report (PER): This is a short form of EIA and this preliminary analysis is undertaken to identify the impacts associated with the proposed development and the means of mitigation

Solid waste: These are useless, and sometimes hazardous, materials 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.

Human settlements

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

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.

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.

Life expectancy at birth: This is 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.

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.

ABBREVIATIONS AND SYMBOLS**Abbreviations**

Rs	Rupees
Rs mn	Rupees million
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 tonnes)
ktoe	Thousand tonnes of oil equivalent
°C	Degrees Celsius
mg/L	Milligram per litre
mS/cm	Millisiemens per centimetre
g/l	Gram per litre
NTU	Nephelometric Turbidity Unit
µg/m ³	Microgramme per cubic metres
ppb	Part per billion
ppm	Part per million
PM ₁₀	Particles Matter of size less or equal to 10 microns
TSP	Total suspended particles
EIA	Environmental impact assessment
PER	Preliminary environmental report
NPCS	National Parks and Conservation Service

Symbols

-	Nil or negligible
...	Not available /Not applicable

Conversion factor : 1 Square kilometre = 100 hectares