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DIGEST OF ENVIRONMENT STATISTICS – 2013

Foreword

This is the twelfth issue of the Digest of Environment Statistics, a regular annual publication of 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 2004 to 2013, 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 co-operation and assistance of all these organisations are gratefully acknowledged.

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Environment Statistics, 2013

1. Flora

1.1 Forest area

Preservation of forests is vital for the protection of the ecosystem. Total forest area decreased by 35 hectares from 47,143 hectares in 2012 to 47,108 hectares in 2013. Some 22,108 hectares (47%) of the total forest area in 2013 was state-owned and the remaining 25,000 hectares (53%) was privately-owned (Table 1.1).

Out of the 22,108 hectares of state-owned forest area, 11,867 hectares (53.7%) were planted areas while the Black River Gorges National Park and the nature reserves accounted for 6,574 (29.7%) and 799 (3.6%) hectares respectively. “Pas Geometriques” covered about 630 hectares (2.8%), other nature parks and other forest lands, the remaining 2,238 hectares (10.2%).

The 25,000 hectares of privately-owned forest lands consisted of 18,447 (74%) hectares of plantation, forest, scrub and grazing lands and 6,553 (26%) hectares of mountain, rivers and nature 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

The livestock population of cattle, goat, sheep and pig was 51,413 as at December 2013. Goats dominated the livestock population with an estimated population of 25,702 heads (50%), followed by pig, 15,961 (31%), cattle 7,240 (14%) and sheep, 2,510 (5%) (Table 2.1).

2.2 Agro-industrial production

The production of beef from live cattle went down by 2.0% from 1,986 tonnes in 2012 to 1,946 in 2013. The production of goat meat and mutton was 46 tonnes in 2013 compared to 51 tonnes in 2012, representing a decrease of 9.8%. Production of pork went down by 5.8% from 653 tonnes in 2012 to 615 tonnes in 2013.

The production of poultry decreased by 1.1% from 47,200 tonnes in 2012 to 46,700 in 2013. Milk production amounted to around 5 million litres in 2013, down by 16.7% compared to 6 million litres in 2012 (Table 2.3).

2.3 Fish catch and production

The production of fish increased by 20.6% from 4,961 tonnes in 2012 to 5,982 tonnes in 2013 (Table 2.4). In 2013, fish catch through coastal (artisanal) fishery was around 559 tonnes, representing a drop of 21% over the previous year figure of 705 tonnes. Basket trap accounted for 37% of the total catch, followed by line (27%) and large net (21%) (Table 2.5).

In 2013, the mean catch per fisherman-day was 5.0 kilogram, 15.3% lower than the 2012 figure of 5.9 kilogram (Table 2.9).

2.4 Marine Protected Areas

The 7,216 hectares of marine protected areas consist of marine parks, fishing reserves and wetland. In 2013, 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 Greenhouse gas (GHG)

Greenhouse gases (GHG) are gases occurring naturally and resulting from human activities which act much like a glass house. GHG trap heat in the lower levels of the atmosphere, causing the earth's surface to heat up and result in global warming. Carbon dioxide is the main component of greenhouse gas.

3.1.1 Total GHG emissions and removals

Total emissions and removals of greenhouse gases are given in Table 3.5 while the national inventory of GHG emissions and removals by source categories is given in Table 3.8. The tables show that:

- carbon dioxide remains the main contributor of greenhouse gas emissions and stood at 3,836.8 thousand tonnes, contributing 0.0096% to global emissions;
- removal of carbon dioxide (CO_2) was around 294 thousand tonnes in 2013; and
- net carbon dioxide emissions, after accounting for the removal of CO_2 by forests, increased by 2.6% from 3,452 thousand tonnes in 2012 to 3,543 thousand tonnes in 2013; the increase was due to a rise in emission from the energy sector mainly energy industries (electricity production).

3.2 Carbon dioxide (CO_2) emission from energy sector (fuel combustion activities)

In 2013, CO_2 emission from the energy sector stood at 3,835.4 thousand tonnes, up by 2.5% from 3,743.3 thousand tonnes in 2012. The energy industries (electricity generation) remained the largest source of CO_2 emissions and accounted for 61.6% (2,363.8 thousand tonnes) of the total CO_2 emissions of the energy sector in 2013 (Table 3.6). Next came the transport sector which made up 25.3% (969.5 thousand tonnes) of the total emissions and the manufacturing industries making up another 8.3% (317.2 thousand tonnes).

3.2.1 Energy industries (electricity generation)

Carbon dioxide emission from the energy industries (electricity generation) stood at 2,363.8 thousand tonnes in 2013 compared to 2,280.5 thousand tonnes in 2012, representing an increase of 3.7%. This is mainly attributed to increase in petroleum products and coal used to produce electricity. In fact electricity generated from coal increased by 4.5% from 1,162 GWh in 2012 to 1,214 GWh in 2013 and that from petroleum products by 0.9% from 1,068 GWh in 2012 to 1,078 GWh (Table 6.16).

Table 6.17 shows the fuel input (petroleum products, coal and bagasse) for electricity generation and indicates that:

- In 2013, coal (52.8%) was the major fuel used to produce electricity followed by fuel oil (25.9%) and bagasse (21.1%);
- Input of coal increased by 5.2% (from 402.5 ktoe in 2012 to 423.6 ktoe in 2013), and that of fuel oil increased by 1.5% (from 204.5 ktoe in 2012 to 207.5 ktoe in 2013); and
- Some 169.0 ktoe of bagasse was used to produce electricity in 2013 as compared to 172.5 ktoe in 2012, down by 2.0%. This can be attributed to a fall of 3.3% in sugar cane production from 3,947 thousand tonnes in 2012 to 3,816 thousand tonnes in 2013.

To note that in 2013, electricity generated from renewable sources accounted for 21% of the total electricity generation. Electricity from renewable sources increased from 567 GWh to 594 GWh, up by 4.8%. Main changes were as follows: hydro (+27.9%), landfill gas (+12.4%), bagasse (+0.5%) and photovoltaic (+200%) - (Table 6.16). Also, based on the Continuous Multi-Purpose Household Survey, around 20% of households were equipped with solar water heaters in 2012.

3.2.2 Transport industries

In 2013, carbon dioxide emission from the transport sector stood at 969.5 thousand tonnes compared to 954.1 in 2012, up by 1.6% due to higher fuel consumption. It is to be noted that the number of registered motor vehicles went up by 5.1% from 421,926 in 2012 to 443,495 in 2013 (Table 6.21). Consequently the energy consumed by land transport increased from 304.2 ktoe to 310.1 ktoe (+1.9%) - (Table 6.19).

3.2.3 Manufacturing industries

The manufacturing sector registered a decrease of 4.1% in CO_2 emissions in 2013 (from 330.8 to 317.2 thousand tonnes). The amount of fuel consumed by the sector went down from 215.4 ktoe in 2012 to 212.3 ktoe in 2013 (Table 6.19).

3.3 Ozone-depleting substances

The consumption of the controlled ozone-depleting substances namely hydro-chlorofluorocarbon (HCFC's) decreased by 23% from 126 metric tonnes in 2012 to 97 metric tonnes in 2013 (Table 3.10).

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 2013, the Island of Mauritius received 3,821 million cubic metres (Mm^3) of precipitation (rainfall), 27.3% higher than in 2012 when 3,001 Mm^3 of rainfall were obtained. Only 10 % of the precipitation went as ground water recharge, while evapotranspiration and surface runoff accounted for 30% and 60% respectively (Table 4.4).

4.2 Water utilization

Total water utilisation was estimated at 888 Mm^3 in 2013. Around 86% of the total water utilisation was met from surface water and the remaining 14 % from ground water.

The agricultural sector accounted for 42% (375 Mm^3) of the water utilised, hydropower 32% (280 Mm^3) and domestic, industrial and tourism sector, 26% (233 Mm^3) - (Table 4.5).

Compared to 2012, water utilisation increased by 11%, from 800 to 888 Mm^3 with increases as follows:

- domestic, industrial and tourism 7.4%;
- hydropower 28.4%; and
- agricultural 2.7%.

4.3 Water consumption

The daily per capita domestic water consumption went up from 160 litres in 2012 to 165 litres in 2013. The daily per capita potable water consumed went up from 207 litres to 216 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 in 2005 (Table 5.1 and Figure 16), sugar cane plantations occupied 39% (72,000 hectares) of the total land area of the Island of Mauritius, 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 2012 and 2013,

- import of fertilisers fell by 12.9% (from 52,739 to 45,924 tonnes) and
- import of pesticides went up by 7.7 % (from 2,029 to 2,185 tonnes) (Table 5.5).

5.3 Waste

The total amount of solid waste landfilled at Mare Chicose increased to 429,935 tonnes in 2013 from 387,926 tonnes in 2012, up by 10.8 % (Table 5.10).

Domestic waste constituted 95% of the total solid waste landfilled in 2013.

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

In 2013, some 27 EIA licences were granted of which 7 were for land parcelling (morcellement), 6 for coastal hotels and related works and 6 for industrial development (Table 5.11).

During the same period, 13 PER approvals were issued, of which 4 were for poultry rearing and another 4 for industrial development (Table 5.12).

6 Human settlement

6.1 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.

6.1.1 Total primary energy requirement

Total primary energy requirement, also known as Total Primary Energy Supply (TPES), is obtained as the sum of imported and locally available fuels less re-exports and bunkering, after adjusting for stock changes.

In 2013, total primary energy requirement was 1,455 ktoe, showing an increase of 1.9% compared to 1,428 ktoe in 2012 (Table 6.13). Consequently, this led to an increase of 1.8% in the per capita primary energy requirement from 1.14 toe in 2012 to 1.16 toe in 2013.

6.1.1.1 Primary energy requirement from fossil fuel

In 2013, around 85% (1,235 ktoe) of the total primary energy requirement was met from imported fossil fuels (petroleum products and coal) against 84 % (1,205 ktoe) in the preceding year. The share of the different fossil fuels within the total primary energy requirement in 2013 was as follows: coal (30.3%), fuel oil (17.1%), diesel oil (14.2%), gasolene (9.8%), dual purpose kerosene (kerosene used as jet fuel and other purposes) (8.4%), and Liquefied Petroleum Gas (LPG) - (5.1%).

Energy supply from petroleum products increased by 1% from 787 ktoe in 2012 to 795 ktoe in 2013. It comprised mainly fuel oil (31.3%), diesel oil (26.0%), gasolene (18.0%), aviation fuel (15.2%) and LPG (9.4%). Supply of coal increased by 5.5% from 418 ktoe in 2012 to 441 ktoe in 2013.

6.1.1.2 Primary energy requirement from local sources (renewable)

In 2013, primary energy requirement obtained from local renewable sources namely: hydro, wind, landfill gas, photovoltaic, bagasse and fuelwood stood at 219 ktoe and it accounted for around 15% of the total primary energy requirement. Bagasse and hydro contributed around 92% and 4% of the local renewable sources respectively while wind, landfill gas, photovoltaic and fuelwood accounted for the remaining 4%.

6.1.2 Energy Intensity

'Energy intensity' defined as total primary energy requirement per Rs 100,000 of Gross Domestic Product (at constant prices) provides a measure of the efficiency with which energy is being used in production. As shown in Table 6.12, 'Energy intensity' stood at 0.73 in 2013 compared to 0.74 in 2012.

6.1.3 Final energy consumption

Final energy consumption increased by 2.0% from 854 ktoe in 2012 to 871 ktoe in 2013.

The two main energy-consuming sectors were "Transport" and "Manufacturing", accounting respectively for 50.4% and 24.4% of the energy consumed. They were followed by the household sector (14.2%), commercial and distributive trade (10.1%) and agriculture (0.5%) - (Table 6.20).

6.2 Complaints

Effective environmental management needs appropriate coordination and monitoring of environmental problems. The Ministry of Environment and Sustainable Development addresses environmental complaints received from the general public according to a complaint handling protocol.

Table 6.34 lists the number of complaints by category received by the Pollution Prevention and Control Division of the Ministry of Environment and Sustainable Development for 2012 and 2013**.** The number of complaints received increased by 3.8% from 662 in 2012 to 687 in 2013. The complaints were mainly due to: noise (22%), air pollution (17%), solid waste (14%), waste water (12%) and odour (11%).

6.3 Contraventions

In 2013, the Police de L'Environnement issued 2,458 contraventions of which illegal littering accounted for 38% (924), road traffic offenses 24% (596), vehicles emitting excessive noise 18% (436) and vehicles emitting smoke (above opacity level) 9% (224). (Table 6.35)

Annex 1

Main Environment Indicators, 2004, 2012 and 2013

Indicator	Units	2004	2012	2013 [1]
1. Forest area	ha	47,200	47,143	47,108
2. Total forest area as a % of total land area	%	25.3	25.3	25.3
3. Irrigated land	ha	21,417	19,459	19,170
4. Land Protected Areas	ha	13,973	14,879	14,879
5. Marine Protected Areas	ha	7,216	7,216	7,216
6. Threatened plant species (NPCS)[2]	%	…	88	88
7. Threatened animal species (NPCS)[2]	%	…	89	89
8. Fish production (freshweight equivalent)	tons	9,471	4,961	5,982
9. Mean catch per fisherman day	kg	4.2	5.9	5.0
10. Total carbon dioxide emission	Gg or Thousand Tonnes	2,795.7	3,745.1	3,836.9
11. Per capita carbon dioxide emission	tons	2.3	3.0	3.0
12. Mean annual rainfall	millimetres	2,271	1,609	2,049
13. Annual fresh water abstraction	Mm^3	725	582	608
14. Daily per capita domestic water consumption	litres	165	160	165
15. Daily per capita solid waste disposed at landfill	Kg	0.88	0.87	0.97
16. Total electricity generated	GWh	2,165	2,797	2,885
17. Electricity generated from renewable sources	%	27.4	20.3	20.6
18. Total primary energy requirement	ktoe	1,255.8	1,427.6	1,454.8
19. Primary energy requirement from renewable sources	%	22.0	15.6	15.0
20. Per capita primary energy requirement	toe	1.03	1.14	1.16
21. Per capita final energy consumption	toe	0.69	0.68	0.69
22. Energy intensity	toe per Rs 100,000 GDP at 2000 prices	0.88	0.74	0.73
Other Environment Statistics				
23. Length of coastline	km		322	
24. Length of protective coral reefs	km		150	
25. Area of protective coral reefs	km^2		300	
26. Exclusive Economic Zone (EEZ) - Republic of Mauritius	km^2		2.3 million	

[1] *Provisional*

[2] National Parks and Conservation Service

CHAPTER 1

FLORA

Table 1.1 - Forest area by category, 2004 - 2013

Hectares

Category	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
State - owned lands	**22,200**	**22,185**	**22,181**	**22,176**	**22,159**	**22,159**	**22,159**	**22,140**	**22,143**	**22,108**
Plantations	11,816	11,828	11,848	11,878	11,855	11,901	11,916	11,897	11,900	11,867
Nature reserves	799	799	799	799	799	799	799	799	799	799
Mainland	*200*	*200*	*200*	*200*	*200*	*200*	*200*	*200*	*200*	*200*
Islets	*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	497	497
Islet National Park[2]	134	134	134	134	134	134	134	134	134	134
Vallee D'Osterlog Endemic Garden[3]	....	....	....	275	275	275	275	275	275	275
Other Forest Lands	1,770	1,743	1,719	1,413	1,419	1,373	1,358	1,333	1,333	1,332
Pas Geometriques	635	635	635	631	631	631	631	631	631	630
Plantations	*226*	*226*	*226*	*222*	*222*	*222*	*222*	*222*	*222*	*221*
Leased for grazing and tree planting	*230*	*230*	*230*	*230*	*230*	*230*	*230*	*230*	*230*	*230*
Others (mostly rocky)	*179*	*179*	*179*	*179*	*179*	*179*	*179*	*179*	*179*	*179*
Privately - owned lands	**25,000**	**25,000**	**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
Mountain reserves	*3,800*	*3,800*	*3,800*	*3,800*	*3,800*	*3,800*	*3,800*	*3,800*	*3,800*	*3,800*
River reserves	*2,740*	*2,740*	*2,740*	*2,740*	*2,740*	*2,740*	*2,740*	*2,740*	*2,740*	*2,740*
Nature reserves	*13*	*13*	*13*	*13*	*13*	*13*	*13*	*13*	*13*	*13*
Other[4]	18,447	18,447	18,447	18,447	18,447	18,447	18,447	18,447	18,447	18,447
Total	**47,200**	**47,185**	**47,181**	**47,176**	**47,159**	**47,159**	**47,159**	**47,140**	**47,143**	**47,108**

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 Park was 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, 2004 and 2013

	Area (hectares)		% of total land area	
	2004	**2013**	**2004**	**2013**
Forests lands : of which	**47,200**	**47,108**	**25.3**	**25.3**
State owned	*22,200*	*22,108*	*11.9*	*11.9*
Plantations	*11,816*	*11,867*	*6.3*	*6.4*
Land Protected areas and Nature reserves	*7,979*	*8,279*	*4.3*	*4.4*
Other Forest Land	*1,770*	*1,332*	*0.9*	*0.7*
Pas Geometriques	*635*	*630*	*0.3*	*0.3*
Privately owned lands [1]	25,000	25,000	13.4	13.4
Reserves (land protected areas)	*6,553*	*6,553*	*3.5*	*3.5*
Other	*18,447*	*18,447*	*9.9*	*9.9*

[1] Include plantations, reserves, scrub and grazing lands.

Table 1.3 - Local production, imports and consumption of timber, poles and fuelwood, 2004 - 2013

cubic metre (roundwood)

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 [1]
Local Production	**13,973**	**12,098**	**14,532**	**13,952**	**10,885**	**10,531**	**14,328**	**10,960**	**6,616**	**3,346**
Timber	5,057	4,818	6,869	5,332	4,330	3,807	3,696	3,207	2,344	893
State Lands	*4,587*	*4,628*	*6,067*	*4,874*	*4,260*	*3,762*	*3,231*	*3,077*	*2,154*	*798*
Private Lands [2]	*470*	*190*	*802*	*458*	*70*	*45*	*465*	*130*	*190*	*95*
Poles	3,111	2,187	1,605	1,553	1,284	1,242	1,220	1,281	792	351
State Lands	*2,356*	*1,677*	*1,060*	*1,022*	*1,002*	*1,102*	*787*	*1,098*	*480*	*188*
Private Lands [2]	*755*	*510*	*545*	*531*	*282*	*140*	*433*	*183*	*312*	*163*
Fuelwood	5,805	5,093	6,058	7,067	5,271	5,482	9,412	6,472	3,480	2,102
State Lands	*5,170*	*4,578*	*4,765*	*6,116*	*5,089*	*5,202*	*8,217*	*5,965*	*2,956*	*1,737*
Private Lands [2]	*635*	*515*	*1,293*	*951*	*182*	*280*	*1,195*	*507*	*524*	*365*
Imports of timber [3]	**108,677**	**111,764**	**89,085**	**132,503**	**120,311**	**78,395**	**95,870**	**113,420**	**71,905**	**72,654**
Total Consumption [4]	**122,650**	**123,862**	**103,617**	**146,455**	**131,196**	**88,926**	**110,198**	**124,380**	**78,521**	**76,000**

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

[1] Provisional

[2] Estimates

[3] Roundwood equivalent

[4] Excludes plywood, paper and other wood products.

Table 1.4 - Forest fires and area affected, 2004 - 2013

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of incidents	14	16	26	25	26	14	46	31	28	19
Area affected (Ha)	93	61	94	154	136	123	188	96	154	157
of which										
Protected areas	*-*	*4*	*8*	*4*	*1*	*-*	*53*	*10*	*22*	*-*
Unprotected areas	*93*	*57*	*86*	*150*	*135*	*123*	*135*	*86*	*132*	157

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

Figure 1 - Forest fires and area affected, 2004 - 2013

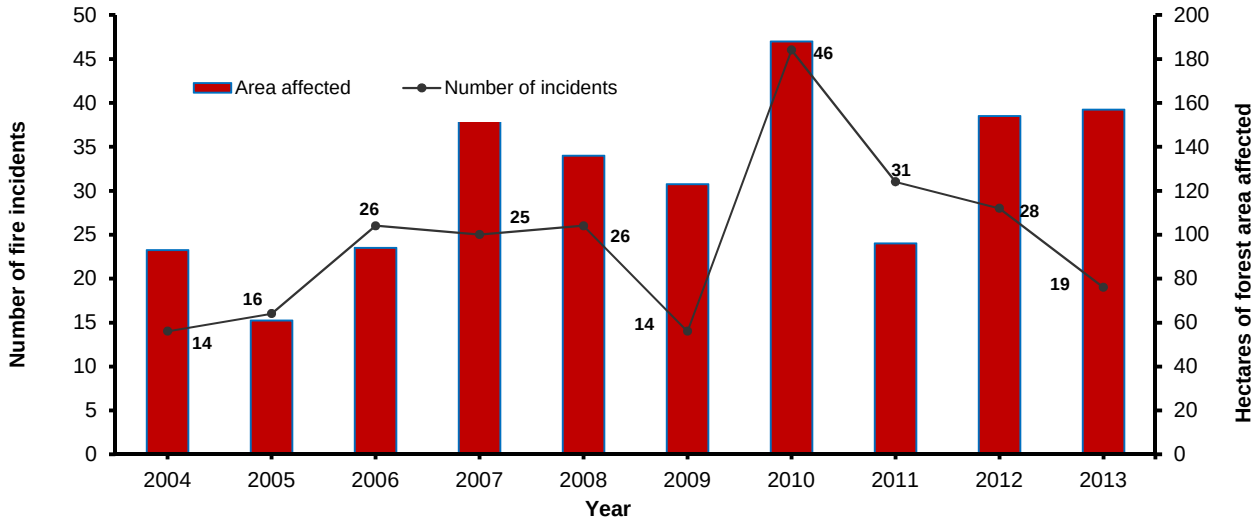


Table 1.5 - Silvicultural operations carried out in state forest land plantation, 2004 - 2013

Hectares

Type of operation	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Clearing for planting	97	107	54	56	90	96	37	34	24	21
Planting	110	92	80	50	96	90	55	34	34	15
Weeding	300	282	266	174	195	199	206	165	159	97
Recruiting	298	222	257	208	202	170	209	148	137	75
Staking	15	35	44	214	20	3	14	-	2	-
Cleaning	586	484	331	417	307	239	223	267	221	117
Pruning	46	49	26	5	27	5	5	7	10	-

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

Table 1.6 - List of land protected areas, Republic of Mauritius, 2013

Hectares

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

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

Table 1.7 - Number of offences detected against forest laws [1] by category, 2004 - 2013

Category	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Unauthorised felling/removal	67	67	86	87	85	71	37	79	68	71
Illegal possession of wood	-	-	3	1	1	-	1	-	-	4
Encroachment	16	12	9	16	20	9	2	3	-	14
Illegal deposit of stones/materials	9	12	14	19	19	10	13	19	10	13
Illegal possession of implements	2	-	3	2	1	-	-	3	1	-
Erection of structures and others	5	20	18	13	3	11	14	22	14	25
Total	**99**	**111**	**133**	**138**	**129**	**101**	**67**	**126**	**93**	**127**

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

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

Figure 2 - Number of offences against forest laws by category, 2004 - 2013

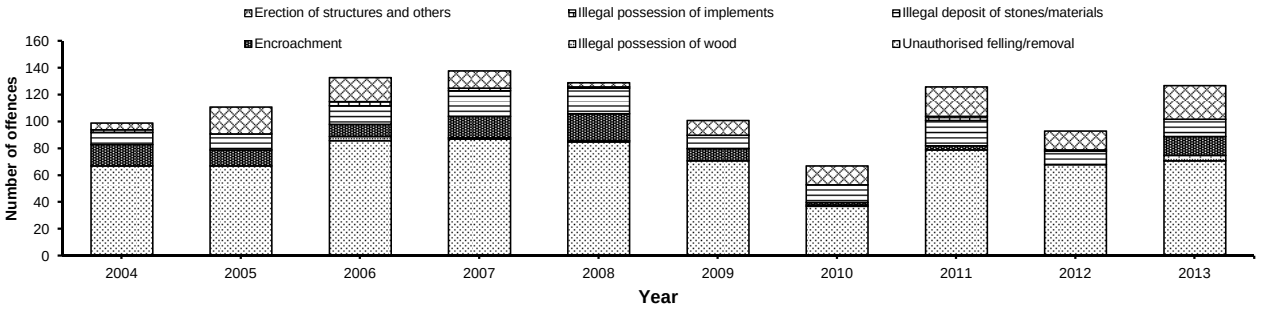


Table 1.8 - Forest plantations [1] by type of plants, 2004 - 2013

Hectares

Type of plant	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Soft wood	**9,745**	**9,755**	**9,775**	**9,808**	**9,782**	**9,821**	**9,836**	**9,813**	**9,816**	**9,816**
Pine	8,136	8,143	8,162	8,195	8,165	8,197	8,199	8,176	8,179	8,179
Other softwood	1,609	1,612	1,613	1,613	1,617	1,624	1,637	1,637	1,637	1,637
Hardwood	**2,297**	**2,299**	**2,299**	**2,292**	**2,295**	**2,302**	**2,302**	**2,306**	**2,306**	**2,272**
Eucalyptus and Casuarina	1,450	1,450	1,450	1,443	1,443	1,443	1,443	1,443	1,443	1,409
Other hardwood	847	849	849	849	852	859	859	863	863	863
Total	**12,042**	**12,054**	**12,074**	**12,100**	**12,077**	**12,123**	**12,138**	**12,119**	**12,122**	**12,088**

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

[1] State land

Figure 3 - Percentage composition of forest plantations, 2013

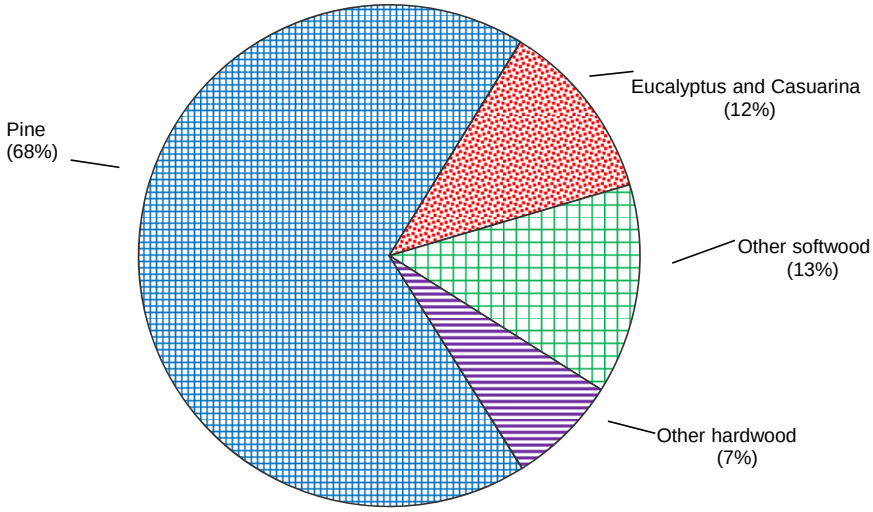


Table 1.9 - Number of seedlings raised by species at the nurseries of the Forestry Service, 2004 - 2013

Species	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Pine	133,162	222,975	203,594	170,840	256,748	150,216	130,988	80,497	25,872	67,752
Eucalyptus	11,400	12,535	20,950	5,000	7,700	20,500	9,925	9,275	22,226	8,500
Cryptomoria	14,722	8,820	455	1,382	1,688	1,852	4,766	13,777	9,298	1,688
Casuarina (Filao)	6,449	-	5,091	6,000	5,550	8,200	18,810	2,315	4,300	9,295
Araucaria	5,098	1,026	20,578	22,780	21,776	58,641	5,430	3,820	40,457	1,576
Juniper	55	-	7	-	423	114	160	265	228	2,284
Other [1]	189,397	264,990	279,615	200,578	197,135	267,384	250,149	301,899	219,273	183,659
Total	**360,283**	**510,346**	**530,290**	**406,580**	**491,020**	**506,907**	**420,228**	**411,848**	**321,654**	**274,754**

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, 2004 - 2013

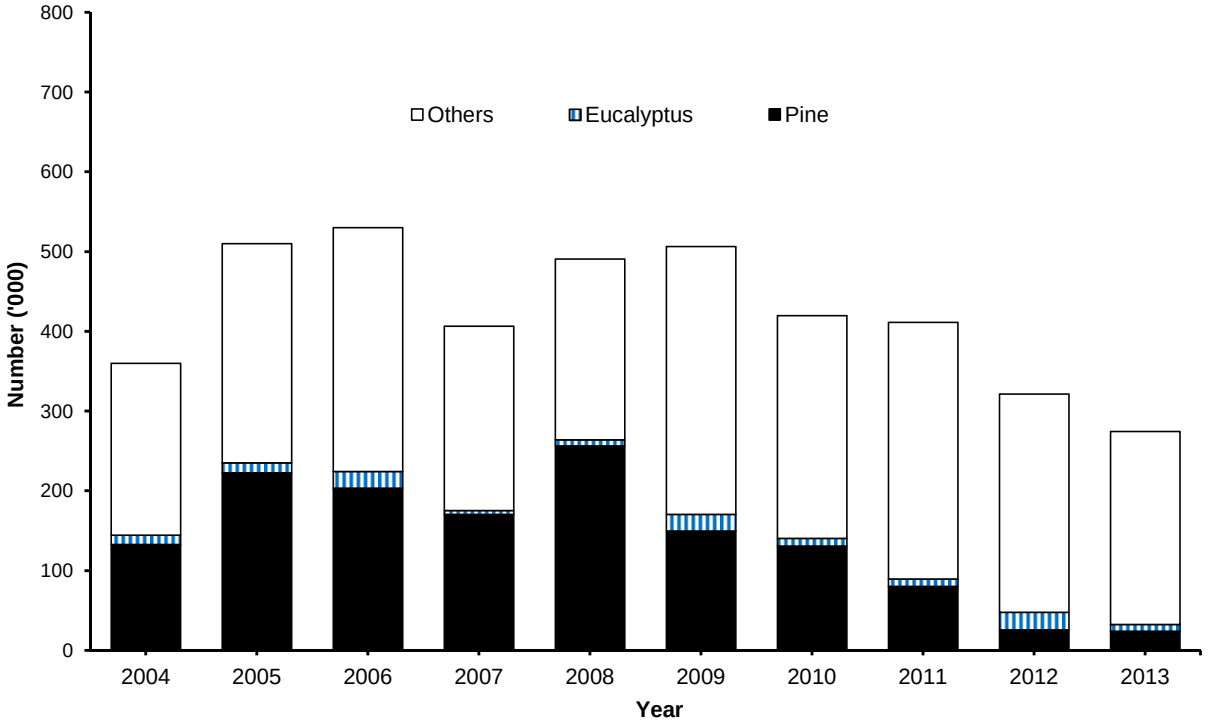


Table 1.10 - Number of plants issued free and sold to the public by the Forestry Service, 2004 - 2013

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Free issue	11,820	13,888	34,476	22,292	20,275	27,546	39,934	26,398	26,549	24,238
Sold	129,768	107,573	108,933	71,779	84,451	83,801	60,425	89,132	67,307	74,523

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

Figure 5 - Number of plants issued free and sold to the public by the Forestry Service, 2004 - 2013

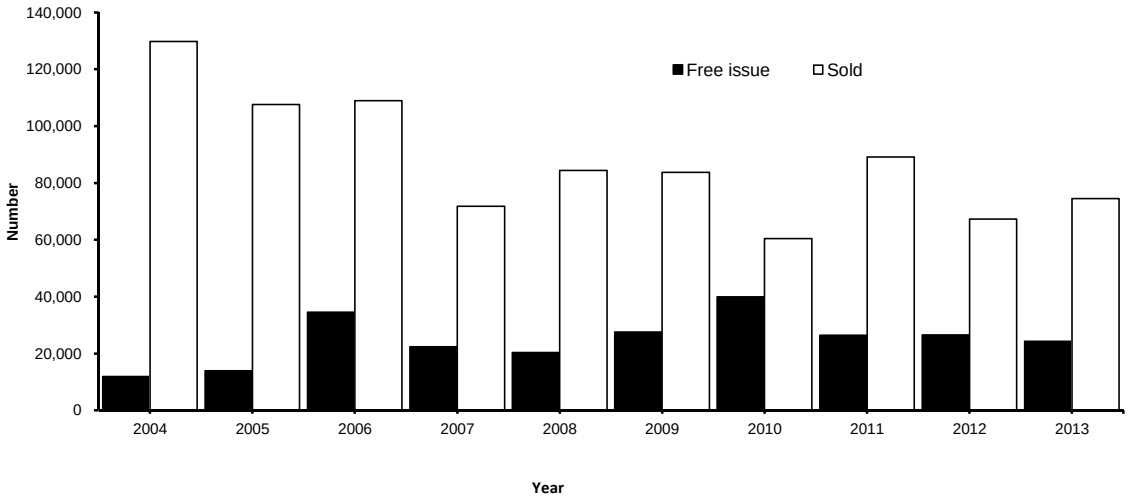


Table 1.11 - Revenue and expenditure[1] of the Forestry Service, 2004 - 2013

Rupees thousand

Revenue item	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Sales of forest produce	8,216	8,093	9,122	9,309	9,125	8,923	7,463	9,132	7,003	8,908
Shooting and fishing rights (Rental & Registration)	3,357	5,087	4,924	6,802	7,015	7,196	7,287	7,035	7,692	7,768
Agricultural Lease	-	-	-	-	3	3	3	3	3	3
Horticulture Lease	-	-	-	24	-	-	-	-	-	-
Miscellaneous (Wood exploitation licence)	213	213	219	198	204	204	213	216	213	186
Total revenue	**11,786**	**13,393**	**14,265**	**16,333**	**16,347**	**16,326**	**14,966**	**16,386**	**14,911**	**16,865**
Total expenditure	**147,595**	**148,221**	**152,851**	**146,985**	**155,000**	**164,668**	**184,164**	**170,877**	**172,482**	**181,869**

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, class [1] and category [2], 2004 - 2013

Rupees per cubic metre

Item	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Standing timber (basic royalty)										
Class I	1,960	1,960	2,160	2,160	2,160	2,160	2,160	2,380	2,380	2,380
Class II	1,200	1,200	1,320	1,320	1,320	1,320	1,320	1,455	1,455	1,455
Class III										
Category I	*950*	*950*	*1,050*	*1,050*	*1,050*	*1,050*	*1,050*	*1,155*	*1,155*	*1,155*
Category II	*770*	*770*	*850*	*850*	*850*	*850*	*850*	*935*	*935*	*935*
Class IV	360	360	400	400	400	400	400	440	440	440
Sound logs at roadside (basic royalty and labour)										
Class I	2,850	2,850	3,140	3,140	3,140	3,140	3,140	3,455	3,455	3,455
Class II	2,110	2,110	2,320	2,320	2,320	2,320	2,320	2,555	2,555	2,555
Class III										
Category I	*1,960*	*1,960*	*2,160*	*2,160*	*2,160*	*2,160*	*2,160*	*2,380*	*2,380*	*2,380*
Category II	*1,650*	*1,650*	*1,820*	*1,820*	*1,820*	*1,820*	*1,820*	*2,005*	*2,005*	*2,005*
Class IV	1,290	1,290	1,420	1,420	1,420	1,420	1,420	1,565	1,565	1,565
Sound logs at Curepipe timber store (basic royalty, labour and transport)										
Class I	4,210	4,210	4,630	4,630	4,630	4,630	4,630	5,095	5,095	5,095
Class II	3,460	3,460	3,810	3,810	3,810	3,810	3,810	4,195	4,195	4,195
Class III										
Category I	*3,000*	*3,000*	*3,300*	*3,300*	*3,300*	*3,300*	*3,300*	*3,630*	*3,630*	*3,630*
Category II	*2,400*	*2,400*	*2,640*	*2,640*	*2,640*	*2,640*	*2,640*	*2,905*	*2,905*	*2,905*
Class IV	2,110	2,110	2,320	2,320	2,320	2,320	2,320	2,555	2,555	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

Main fuel for cooking	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

Table 1.14 - Status of flora population, 2010

Species	Number					
	Native species		Extinct species		Existing species	
	Total	Endemic	Total	Endemic	Total	Endemic
Flowering plants	**691**	273	**61**	29	**630**	244

Source: Mauritius Environment Outlook, 2010

Table 1.15 - Status of endangered flora, 2012

Number

Number of native plants species (*classified as critically endangered as per International Union for Consevation of Nature criteria*)	192
Of which sucessfully propagated	43

Source: National Parks and Conservation Service

Table 1.16 - Number of mangroves planted and area covered, 2011 - 2013

Period	No. of seedlings	Area covered (m^2)
2011 - 2012	93,250	45,405
2013	10, 500	3, 500
Cumulative total number of mangroves planted and area covered as at 2013	**319,800**	**181,705**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

CHAPTER 2

FAUNA

Table 2.1 - Number of small breeders and livestock population by geographical district as at December 2013

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	111	482	529	4,444	36	368	42	1,035
Riviere du Rempart	212	1,555	558	5,156	63	810	32	266
Flacq	158	557	857	6,575	23	233	59	2,413
Plaines Wilhems	73	679	67	909	7	114	19	621
Moka	77	1,306	48	571	-	-	10	356
Grand Port	91	804	258	2,447	15	185	39	1,033
Savanne	67	646	213	2,074	30	331	15	312
Black River/Port Louis	83	1,211	280	3,526	17	469	196	9,925
Total	**872**	**7,240**	**2,810**	**25,702**	**191**	**2,510**	**412**	**15,961**

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 December 2013

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	111	179	14	125	164	482	42	28	216	213	512	66	1,035
Riviere du Rempart	212	439	84	313	719	1,555	32	13	54	81	97	21	266
Flacq	158	206	44	188	119	557	59	47	268	429	1,617	52	2,413
Plaines Wilhems	73	319	40	179	141	679	19	19	116	174	290	22	621
Moka	77	880	22	197	207	1,306	10	12	78	80	163	23	356
Grand Port	91	345	120	233	106	804	39	29	226	284	416	78	1,033
Savanne	67	188	123	150	185	646	15	14	53	100	114	31	312
Black River/Port Louis	83	318	69	198	626	1,211	196	167	1,431	2,583	5,538	206	9,925
Total	**872**	**2,874**	**516**	**1,583**	**2,267**	**7,240**	**412**	**329**	**2,442**	**3,944**	**8,747**	**499**	**15,961**

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 December 2013

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	36	102	36	230	368	529	537	1,368	2,539	4,444	24	33,225	28	23,890
Riviere du Rempart	63	242	85	483	810	558	491	1,803	2,862	5,156	47	85,805	24	22,741
Flacq	23	74	39	120	233	857	794	1,932	3,849	6,575	58	41,584	54	16,216
Plaines Wilhems	7	57	21	36	114	67	185	345	379	909	25	42,950	30	42,980
Moka	-	-	-	-	-	48	129	249	193	571	29	41,800	16	16,500
Grand Port	15	55	33	97	185	258	432	747	1,268	2,447	15	10,631	31	6,602
Savanne	30	134	30	167	331	213	271	718	1,085	2,074	67	59,559	50	14,700
Black River/Port Louis	17	114	22	333	469	280	301	1,204	2,021	3,526	25	40,150	35	16,076
Total	**191**	**778**	**266**	**1,466**	**2,510**	**2,810**	**3,140**	**8,366**	**14,196**	**25,702**	**290**	**355,704**	**268**	**159,705**

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

[1] Exclude industrial farm and farmers rearing more than 5,000 heads

Table 2.3 - Production of selected agro-industrial products, Republic of Mauritius, 2004 - 2013

Detail	Unit	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 [1]
Beef [2]	tonnes	2,456	2,484	2,187	1,847	1,902	2,090	2,194	2,023	1,986	1,946
Local (including Rodrigues)	*"*	*137*	*73*	*99*	*90*	*27*	*36*	*88*	*136*	*180*	*90*
Imported	*"*	*2,319*	*2,411*	*2,088*	*1,757*	*1,875*	*2,054*	*2,106*	*1,887*	*1,806*	*1,856*
Goat meat and mutton [2]	"	107	111	99	75	76	77	68	62	51	46
Pork [2]	"	743	709	681	511	330	428	623	650	653	615
Poultry	"	33,000	33,000	36,000	40,000	42,000	44,000	46,600	47,000	47,200	46,700
Milk	'000 Litres	4,000	4,000	4,000	3,500	3,300	3,400	3,600	5,000	6,000	5,000

[1] Provisional
[2] Abattoir slaughters only

Table 2.4 - Fish production by type of fishery (in fresh - weight equivalent), 2004 - 2013

Tonnes

Type of fishery	Type	2004	2005	2006	2007	2008	2009	2010	2011	2012 [1]	2013 [2]
Artisanal fishery (Island of Mauritius)	Fresh	1,043	947	950	640	682	820	831	892	705	559
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	4	4	2	2	2	-	-	1	2	2
Ponds (prawn and fish)	Fresh	437	374	436	17	62	57	66	60	75	78
Marine aquaculture (cage)	Fresh	-	-	-	150	181	366	498	460	432	340
Fish Aggregating Device (FAD) Fishery	Fresh	-	-	214	164	289	319	330	258	233	240
Offshore demersal fishery											
Shallow water banks	Frozen	3,216	2,178	3,112	2,848	2,428	2,685	2,137	1,766	1,718	2,034
Banks deep water snappers	Chilled, frozen, salted & dried	-	-	-	-	324	627	452	295	355	377
St Brandon inshore	Frozen & salted	311	414	235	177	560	437	421	318	221	273
Semi - industrial chilled fish	Chilled & frozen	178	223	311	171	173	459	446	180	234	206
Tuna fishery	Frozen	1,640	1,402	1,380	803	475	246	306	-	-	855
Semi - industrial pelagic fishery	Chilled	97	177	247	184	41	8	27	90 [3]	36 [3]	68
Demersal trawlers	Frozen	1,595	2,584	1,112	-	-	-	-	-	-	-
Total		**9,471**	**9,253**	**8,949**	**6,106**	**6,167**	**6,974**	**6,464**	**5,270**	**4,961**	**5,982**

Source : Albion Fisheries Research Centre, Ministry of Fisheries
[1]Revised
[2]Provisional
[3] Include tuna fishery
*Estimates

Table 2.5 - Annual fish catch of the coastal (artisanal) fishery by gear - type, 2004 - 2013

Tonnes

Gear-type	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Basket trap	425.3	433.8	343.8	251.2	270.9	257.8	266.5	302.8	274.6	208.1
Line	285.8	288.8	303.7	169.9	178.7	227.2	226.7	185.3	180.1	150.4
Basket trap and Line	54.9	16.8	19.6	16.2	13.9	18.3	27.9	24.9	20.4	33.6
Large net	168.1	121.5	201.1	132.7	143.6	222.9	213.5	281.0	171.0	117.2
Gill net	11.3	8.2	11.3	7.6	6.7	11.3	7.6	23.9	6.5	7.2
Cast net/Harpoon/on foot	97.4	78.2	70.5	62.4	68.2	82.8	89.1	74.3	52.0	42.8
Total	**1,042.8**	**947.3**	**950.0**	**640.0**	**682.0**	**820.3**	**831.3**	**892.2**	**704.6**	**559.3**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

Table 2.6 - Annual catch by banks, 2004 - 2013

Tonnes

Year	Saya de Malha	Nazareth	St. Brandon [2]	Chagos	Albatross[3]	Total catch
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	737	741	366	-	-	1,844
2011 [4]	885	868	158	-	167	2,078
2012 [4]	1,064	545	179	-	241	2,029
2013 [5]	986	971	219	-	135	2,311

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] Albatros include catch by banks and catch from St. Brandon

[4] Revised

[5] Provisional

Table 2.7 - Aquaculture production by species, 2009 - 2013

Fish species	Unit	2009	2010	2011	2012	2013
Berri Rouge (Freshwater)	Tonnes	98.6	62.10	71.1	72.0	75.0
Freshwater prawn	Tonnes	4.0	3.0	3.0	2.8	3.3
Marine fish (Barachois)	Tonnes	1.0	1.0	1.0	1.0	1.0
Mangrove crabs (Barachois)	Tonnes	1.2	1.0	1.2	1.2	1.2
Floating cage fish (Red drum/seabream etc.)	Tonnes	330.1	498.4	458.0	432.0	340.0
Oyster	Unit	85,000	90,000	85,000	85,000	85,000

Source : Albion Fisheries Research Centre, Ministry of Fisheries

Table 2.8 - Number of active fishermen by gear - type, 2004 - 2013

Gear-type	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Basket trap	445	493	275	283	275	279	246	290	275	292
Line/Harpoon	896	789	764	770	795	733	594	766	741	700
Basket trap and Line	736	689	1,111	876	807	862	790	830	826	849
Large net	159	189	149	137	138	133	127	130	133	132
Gill net	20	14	13	12	13	13	13	14	11	10
Total	**2,256**	**2,174**	**2,312**	**2,078**	**2,028**	**2,020**	**1,770**	**2,030**	**1,986**	**1,983**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

Table 2.9 - Fisherman-days, catch [1] and catch per fisherman-day from the lagoon and off lagoon, 2004 - 2013

Year	Location	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Fisherman - days	Lagoon	195,087	153,771	145,089	92,261	77,719	83,880	88,167	87,632	74,999	70,476
	Off lagoon	58,516	77,429	68,961	51,622	44,248	43,463	40,587	40,981	43,767	41,487
	Total	**263,603**	**231,200**	**241,050**	**144,883**	**112,967**	**127,343**	**128,754**	**128,613**	**118,766**	**111,963**
Fish Catch (tonnes)	Lagoon	699.0	545.0	579.0	354.0	367.0	496.0	515.0	555.2	390.0	307.0
	Off lagoon	344.0	402.0	371.0	286.0	315.0	324.0	316.0	337.0	315.0	252.0
	Total	**1043.0**	**947.0**	**950.0**	**640.0**	**682.0**	**820.0**	**831.0**	**892.2**	**705.0**	**559.0**
Catch per fisherman - day (kg)	Lagoon	3.6	3.5	4.0	3.8	4.7	5.9	5.8	6.3	5.2	4.4
	Off lagoon	5.0	5.2	5.4	5.5	7.1	7.5	7.8	8.2	7.2	6.1
	Mean	**4.2**	**4.1**	**4.4**	**4.4**	**5.6**	**6.4**	**6.5**	**6.9**	**5.9**	**5.0**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

[1] Coastal (artisanal) fishery

Figure 6 - Catch per fisherman-day, 2004 - 2013

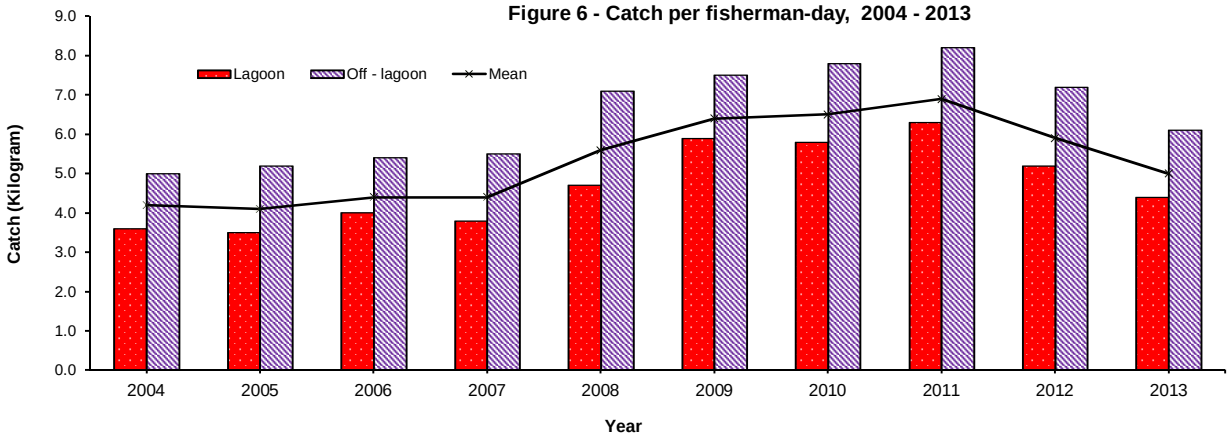


Table 2.10 - Average price of fresh fish and other sea food, 2004 - 2013

Rupees per kilogram

Species	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Homard	495	515	550	600	680	690	750	825	865	700
Crab and crevette	275	290	275	320	320	355	365	435	445	305
Vieille rouge	190	215	230	255	275	290	300	320	320	290
Vacoas, Sacrechien	160	160	175	175	210	245	260	270	270	240
Capitaine	155	170	170	180	200	220	235	245	250	215
Dame berry	140	150	170	170	190	210	230	245	240	200
Octopus	105	125	130	135	150	160	170	175	195	185
Carangue	115	115	120	130	150	155	165	170	170	145
Cordonier	100	105	115	120	140	145	155	155	160	135
Rouget, tuna	90	95	110	115	136	150	160	165	170	145
Mulet voile	85	95	100	105	130	140	145	155	150	130
Bordemar	100	95	90	110	135	140	150	150	155	130
Licorne	100	115	115	125	150	160	165	170	175	145
Cateaux	75	70	85	90	105	110	120	120	125	105
Other fish	55	50	65	75	50	60	90	95	95	85
Shark	45	45	50	50	50	60	65	65	70	60

Source : Albion Fisheries Research Centre, Ministry of Fisheries

Table 2.11 - Import, export and trade balance of fish and fish products, 2004 - 2013

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012 [1]	2013 [2]
Imports										
Quantity (tonnes)	81,315	104,830	150,728	129,085	113,608	139,342	155,000	163,000	158,000	170,000
Value (Rupees million)	3,187	4,261	6,721	7,068	8,457	7,108	7,810	9,280	10,968	11,866
Exports										
Quantity (tonnes)	54,241	67,249	79,707	86,170	66,205	87,938	107,740	89,490	102,363	108,547
Value (Rupees million)	3,358	4,842	7,120	8,173	8,015	9,041	10,118	9,481	12,735	14,607
Trade Balance (Rupees million)	172	581	396	1,105	- 532	1,933	2,308	201	1,767	2,741

Source : Albion Fisheries Research Centre, Ministry of Fisheries

[1] Revised [2] Provisional

Table 2.12 - Total number and type of fishing vessels calling at Port Louis, 2004 - 2013

Type/category	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 [1]
Tuna long liners and squid vessels	419	628	708	561	428	465	469	488	596	703
Purse seiners (foreign)	2	8	9	13	14	30	20	34	38	46
Reefers	33	32	48	62	83	72	65	55	44	42
Trawlers	20	13	13	8	15	12	19	13	13	14
Hand liners	217	190	179	137	176	168	152	174	182	296
Long liners (Ice cod fish sp.) (Patagonian tooth fish vessel)	24	19	21	18	25	21	18	22	9	26
Others, unspecified vessels	3	4	1	1	3	4	9	1	1	-
Total	**718**	**894**	**979**	**800**	**744**	**772**	**752**	**787**	**883**	**1,127**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

[1]Provisional

Table 2.13 - Per capita consumption of fish and fish preparations, 2004 - 2013

Kilogram/year

Year	Quantity
2004	19.32
2005	17.90
2006	19.98
2007	19.67
2008	21.25
2009	20.79
2010	21.70
2011	22.16
2012 [1]	23.81
2013 [2]	23.56

[1] Revised

[2] Provisional

Figure 7 - Per capita consumption of fish and fish preparations, 2004 - 2013

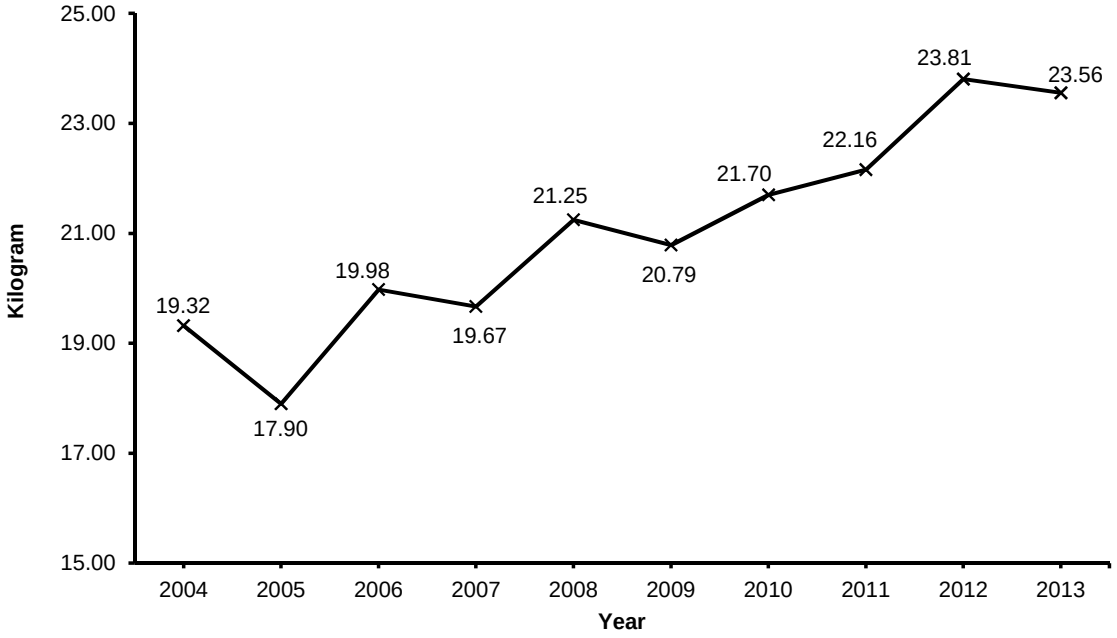


Table 2.14 - Cases of poisoning [1] by noxious fish and shellfish, venomous animals and toxic plants, 2004 – 2013

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
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
2012	30	33	63	171	57	228
2013	51	59	110	161	59	220

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, 2013

Kilometre square

Region	Depth	Area
Mauritius	Up to 100 metres	1,208
Banks		
Saint Brandon	0 - 35 metres	2,950
Nazareth	0 - 100 metres	23,875
Saya de Malha	0 - 100 metres	44,130
Chagos	0 - 35 metres	6,830
Rodrigues	0 - 100 metres	1,688
Agalega	0- 100 metres	15
Tromelin	…	…
Total		**80,696**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

Table 2.16 - Percentage of substrate cover at various monitoring stations, 2009 - 2013

Site		Year	Coral	Algea	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	2010	1	5	94	n.o
		2012	1	1	98	n.o
		2013	1.1	0.3	98.3	0.3
	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	3.0
		2012	32	51	17	n.m
	Shore reef	2009	41	2	57	n.o
		2010	18	3	79	n.o
Bambous Virieux	Back reef	2009	55	22	22	1.0
		2010	51	4.0	44	1.0
	Shore reef	2009	26	36	37	1.0
		2010	26	49	24	1.0
Trou d'eau Douce	Back reef	2009	10	40	49	1.0
		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	2010	19	28	51	2
		2013	29.7	11.5	58.8	n.o
	Back reef	2010	21	14	65	n.o
		2012	24	16	60	n.m
		2013	18	14	68	n.o
Pointe Aux Sables	Fore reef	2009	12	16	73	n.o
		2010	7	12	80	1.0
	Back reef	2009	2	<1	93	n.o
		2010	1	6	92	n.o
		2011	0.5	3.63	94.42	1.7
Albion	Fore reef	2009	18	1.0	73	8.0
	Back reef	2009	1	14	84	2
		2010	9	4.0	86	1

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 2.16 (cont'd) - Percentage of substrate cover at various monitoring stations, 2009 - 2013

Site		Year	Coral	Algea	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
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
Belle Mare (Site I)	Back reef	2009	52	26	22	n.o
		2010	56	26	18	n.o
		2012	18	47	35	n.m
Belle Mare (Site II)	Back reef	2009	47	11	43	n.o
		2010	47	13	38	2
		2012	47	21	32	n.m

Source : Albion Fisheries Research Centre, Ministry of Fisheries

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

n.m: Not monitored

Table 2.17- List of Marine Protected Areas, 2013

Hectares

Marine protected areas	Area
Marine parks	**838**
Blue bay	353
Balaclava	485
Fishing reserves	**6,352**
Port Louis	331
Poudre d'Or	2,542
Poste La Fayette	280
Trou d'Eau Douce	574
Grand Port zone A	1,716
Grand Port zone B	112
Black River	797
Wetland	**26**
Rivulet Terre Rouge Estuary Bird Sanctuary	26
Total	**7,216**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

Table 2.18 - Fauna population, 2010

Species	Number					
	Native species		Extinct [2] species		Existing species	
	Total	Endemic [1]	Total	Endemic	Total	Endemic
Mammals	**5**	2	**2**	1	**3**	1
Birds	**30**	24	**18**	15	**12**	9
Reptiles	**17**	16	**5**	5	**12**	11
Butterflies	**37**	5	**4**	1	**33**	4
Snails	**125**	81	**43**	36	**82**	45

Source: 4th National Report on the Convention on Biological Diversity, 2010

[1] Defined by the International Union for Conservation of Nature (IUCN) as a species native to and restricted to a particular geographical region.

[2] Defined by the International Union for Conservation of Nature (IUCN) as a species or distinct biological population which forever ceases to exist.

CHAPTER 3

ATMOSPHERE

Table 3.1 Monthly mean maximum temperature (agro-meteorological), 2004 - 2013

Degrees celcius

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Maximum annual temperature	
	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	**Mean**	**Difference from normal**
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*	*27.2*	*0.0*
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*	*27.2*	*0.1*
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*	*27.5*	*0.4*
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*	*27.6*	*0.4*
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*	*27.3*	*0.2*
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*	*27.6*	*0.5*
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*	*27.9*	*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*	*27.9*	*0.8*
2012	30.1	*0.5*	30.7	*0.3*	29.5	*0.2*	28.6	*0.4*	26.6	*-0.2*	25.1	*0.0*	24.8	*0.6*	24.8	*0.5*	25.6	*0.5*	27.2	*0.8*	28.9	*0.9*	29.9	*0.9*	*27.7*	*0.5*
2013	30.0	*0.3*	30.3	*0.7*	29.8	*0.5*	28.2	*-0.2*	27.1	*0.2*	25.4	*0.2*	24.9	*0.6*	24.7	*0.4*	26.1	*0.9*	27.5	*1.2*	29.0	*1.1*	30.3	*1.1*	*27.8*	*0.6*

Source: Meteorological Services

Table 3.2 - Monthly mean minimum temperature (agro-meteorological), 2004 - 2013

Degrees Celcius

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Minimum annual temperature	
	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	**Mean**	**Difference from normal**
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*	*20.1*	*0.7*
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	19.9	*0.5*
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	20.1	*0.8*
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	20.2	*0.8*
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	20.1	*0.8*
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	20.4	*1.1*
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	20.1	*0.8*
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	20.1	*0.8*
2012	21.9	0.0	23.2	0.9	22.5	0.5	22.3	1.4	20.1	1.0	18.2	0.8	17.8	1.0	17.8	1.2	18.0	1.1	19.1	1.1	20.7	1.4	22.7	1.8	20.4	*1.0*
2013	23.3	0.5	23.5	0.5	22.9	0.3	22.0	0.3	19.1	-0.9	17.7	-0.4	16.4	-1.1	17.6	0.1	18.2	0.4	19.5	0.7	20.5	0.4	22.0	0.2	20.2	*0.1*

Source: Meteorological Services

Table 3.3 - Monthly mean values of humidity (%) with extremes, 2013

Region	Station		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
West	Medine	2013	78	83	77	77	75	71	72	71	68	68	74	73
		Highest Maximum	96	97	94	96	92	95	93	93	92	95	97	96
		Lowest Minimum	54	59	53	55	44	50	48	44	38	47	52	48
		LTM[1] (1986 - 2000)	**79**	**82**	**80**	**79**	**78**	**78**	**77**	**76**	**75**	**76**	**77**	**78**
North	Pamplemousses	2013	77	82	78	78	76	81	71	76	69	62	68	68
		Highest Maximum	96	98	95	93	96	98	96	98	88	92	90	86
		Lowest Minimum	57	63	64	60	58	62	51	55	53	46	55	50
		LTM (1971 - 2000)	**80**	**84**	**83**	**83**	**82**	**82**	**81**	**80**	**78**	**77**	**77**	**80**
East	FUEL	2013	80	81	77	78	75	74	70	74	68	67	70	70
		Highest Maximum	97	97	97	97	94	94	91	92	87	98	93	89
		Lowest Minimum	62	65	63	59	61	59	48	55	50	44	54	55
		LTM (1981 - 2000)	**84**	**87**	**84**	**85**	**83**	**81**	**82**	**82**	**82**	**82**	**81**	**83**
South	Plaisance	2013	80	84	79	79	76	71	74	74	72	73	80	76
		Highest Maximum	97	98	96	96	94	93	94	97	93	97	97	95
		Lowest Minimum	62	53	62	56	51	48	41	50	47	47	54	52
		LTM (1981 - 2000)	**82**	**84**	**84**	**84**	**82**	**79**	**78**	**78**	**78**	**78**	**78**	**80**
Centre	Vacoas	2013	86	88	85	86	83	82	81	82	79	79	82	80
		Highest Maximum	99	99	97	98	99	97	99	98	98	98	98	98
		Lowest Minimum	55	56	59	60	57	46	47	50	54	41	44	54
		LTM (1971 - 2000)	**81**	**84**	**84**	**84**	**82**	**82**	**82**	**81**	**80**	**80**	**79**	**81**

Source : Meteorological Services

[1] LTM: Long Term Mean

Table 3.4 - Monthly total hours of sunshine by region and station, 2004 - 2013

Hours

Region : North, Station : Pamplemousses													
Month / Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Yearly Total
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**
2012	253	215	213	230	223	182	233	197	210	231	214	220	**2,621**
2013	222	152	210	241	253	251	251	258	258	262	259	277	**2,894**
Mean 1971-2000	**250**	**217**	**235**	**223**	**236**	**223**	**237**	**238**	**225**	**255**	**261**	**248**	**2,848**

Hours

Region: East, Station: Fuel													
Month / Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Yearly Total
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**
2012	234	188	188	190	172	156	182	156	173	215	220	203	**2,277**
2013	185	135	178	153	213	200	205	215	231	222	234	266	**2,437**
Mean 1971-2000	**216**	**186**	**209**	**179**	**194**	**183**	**188**	**188**	**190**	**210**	**220**	**217**	**2,380**

Hours

Region : West, Station : Medine													
Month / Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Yearly Total
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**
2012	273	230	224	245	245	208	237	224	228	253	230	235	**2,832**
2013	221	162	229	242	274	242	251	267	271	243	266	262	**2,930**
Mean 1981-2000	**233**	**206**	**228**	**214**	**236**	**218**	**230**	**228**	**216**	**237**	**234**	**236**	**2,716**

Source : Meteorological Services

Table 3.4 (cont'd) - Monthly total hours of sunshine by region and station, 2004 - 2013

Hours

Region : Centre, Station : Vacoas													
Month / Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Yearly Total
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**
2012	242	213	216	223	219	185	221	200	222	223	196	223	**2,583**
2013	204	136	217	214	236	229	243	246	259	235	208	248	**2,675**
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, 2004 - 2013

Hours

Region : South, Station : Plaisance													
Month / Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Yearly Total
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**
2012	285	228	216	200	172	148	177	165	191	225	254	225	**2,486**
2013	235	147	206	156	179	161	167	188	244	224	258	285	**2,450**
Mean 1971-1990	**247**	**205**	**218**	**191**	**197**	**177**	**179**	**188**	**199**	**237**	**253**	**251**	2,542

Source : Meteorological Services

Table 3.5 - Total emissions and removals of greenhouse gases and other related gases, Republic of Mauritius, 2004 - 2013

Gg or thousand tonnes

Greenhouse gas	2004	2005	2006	2007	2008	2009	2010	2011	2012 [1]	2013 [2]
Emissions										
Carbon dioxide	2795.7	2996.0	3348.9	3449.6	3487.1	3367.6	3666.5	3640.3	3745.1	3836.8
Methane	27.8	29.8	33.7	35.6	37.3	21.3	39.7	38.4	35.9	39.9
Oxide of Nitrogen	15.2	15.4	16.6	16.6	18.1	17.5	18.1	18.3	18.8	19.2
Nitrous Oxide	1.5	1.3	1.2	1.3	1.1	1.0	1.1	1.1	1.1	1.1
Carbon Monoxide	66.9	66.4	64.8	65.4	66.6	64.0	67.4	67.5	68.6	70.3
NMVOC[3]	16.5	18.3	17.7	17.1	16.5	17.6	19.6	20.8	25.0	23.6
Sulphur Dioxide	32.7	33.0	33.0	35.1	33.2	33.6	33.2	33.7	33.8	34.3
Removals										
Carbon dioxide [4]	223.7	223.7	193.2	224.0	300.0	293.0	291.6	289.6	292.9	293.9
Net emissions										
Carbon Dioxide	2572.0	2772.3	3155.6	3225.6	3187.1	3074.6	3375.0	3350.6	3452.2	3542.9

[1] Revised [2] Provisional [3] Non-methane volatile organic compound
[4] Excludes the amount of CO_2 sequestrated by trees and vegetations found along rivers and canal reserves and trees along road

Table 3.6 - Carbon dioxide emissions from energy sector (fuel combustion activities), Republic of Mauritius, 2004 - 2013

Gg or thousand tonnes

Energy Sector	2004	2005	2006	2007	2008	2009	2010	2011	2012 [1]	2013 [2]
Energy industries (electricity)	1,430.5	1,615.2	1,912.5	2,067.9	2,032.0	1,997.0	2,224.3	2,205.8	2,280.5	2,363.8
Manufacturing industries	362.3	346.3	404.9	400.3	456.0	351.6	352.1	336.4	330.8	317.2
Transport	807.1	833.7	843.7	800.1	813.0	844.8	912.0	921.7	954.1	969.5
Residential	154.2	158.5	136.7	130.6	131.0	122.8	135.6	133.5	134.7	137.6
Other[3]	39.7	40.3	49.0	49.3	53.8	49.1	40.4	41.5	43.3	47.3
Total	**2,793.8**	**2,994.0**	**3,346.8**	**3,448.2**	**3,485.8**	**3,365.3**	**3,664.4**	**3,638.9**	**3,743.3**	**3,835.4**

[1] Revised [2] Provisional [3] includes Agriculture and Trade

Table 3.7 - Percentage share of carbon dioxide emissions from energy sector (fuel combustion activities), Republic of Mauritius, 2004 - 2013

%

Energy Sector	2004	2005	2006	2007	2008	2009	2010	2011	2012 [1]	2013 [2]
Energy industries (electricity)	51.2	53.9	57.1	60.0	58.3	59.4	60.7	60.6	60.9	61.6
Manufacturing industries	13.0	11.6	12.1	11.6	13.1	10.4	9.6	9.2	8.8	8.3
Transport	28.9	27.8	25.2	23.2	23.3	25.1	24.9	25.3	25.5	25.3
Residential	5.5	5.3	4.1	3.8	3.8	3.6	3.7	3.7	3.6	3.6
Other[3]	1.4	1.3	1.5	1.4	1.5	1.5	1.1	1.1	1.2	1.2
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

[1] Revised [2] Provisional [3] includes Agriculture and Trade

Table 3.8 - National inventory of greenhouse gas emissions and removals by source categories, Republic of Mauritius, 2012 [1] - 2013 [2]

Gg or thousand tonnes

Category	Carbon dioxide (CO_2)				Methane (CH_4)		Nitrous oxide (N_2O)		Oxides of Nitrogen (NO_x)		Carbon monoxide (CO)		NMVOC [3]		Sulphur dioxide (SO_2)	
	Emissions		Removals													
	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013
1. Energy sector (Fuel combustion activities)	3,743.31	3,835.44	-	-	0.62	0.61	0.08	0.08	18.80	19.15	68.57	70.32	10.71	11.07	33.78	34.31
(a) Energy industries (electricity)	*2,280.49*	*2,363.79*	-	-	*0.29*	*0.28*	*0.06*	*0.06*	*7.58*	*7.82*	*8.61*	*8.64*	*0.53*	*0.53*	*28.26*	*28.79*
(b) Manufacturing industries	*330.75*	*317.17*	-	-	*0.07*	*0.07*	*0.01*	*0.01*	*1.08*	*1.04*	*6.67*	*6.42*	*0.11*	*0.11*	*3.20*	*3.18*
(c) Transport	*954.06*	*969.53*	-	-	*0.15*	*0.15*	*0.01*	*0.01*	*9.71*	*9.85*	*51.70*	*53.70*	*9.88*	*10.25*	*2.23*	*2.25*
(d) Other sectors	*178.01*	*184.95*	-	-	0.11	0.11	*0.00*	*0.00*	*0.43*	*0.44*	*1.59*	*1.56*	*0.19*	*0.18*	*0.09*	*0.09*
2.Industrial processes	*1.82*	*1.31*	-	-	-	-	-	-	-	-	-	-	14.31	12.50	-	-
3.Agriculture	-	-	-	-	0.90	1.00	1.00	1.00	-	-	-	-	-	-	-	-
4.Land use change and forestry	-	-	292.90	293.9	-	-	-	-	-	-	-	-	-	-	-	-
5.Waste[4]	-	-	-	-	34.40	38.33	-	-	-	-	-	-	-	-	-	-
Total	**3,745.13**	**3,836.75**	**292.90**	**293.90**	**35.92**	**39.94**	**1.08**	**1.08**	**18.80**	**19.15**	**68.57**	**70.32**	**25.02**	**23.57**	**33.78**	**34.31**

[1] *Revised*

[2] *Provisional*

[3] *Non - methane volatile organic compound*

[4] *Exclude waste water*

Table 3.9 - Trend in Energy intensity index, Energy consumption per capita index, GHG Emission per capita index and GHG emission per GDP index, 2004 - 2013

Base Year 2000 = 100

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Energy Intensity index	96.7	98.9	100.0	95.6	92.3	85.7	86.8	83.5	81.3	80.2
Energy consumption per capita index	108.8	109.2	112.6	109.7	107.2	102.8	108.3	109.1	107.8	109.7
GHG Emission per capita index	111.9	116.5	127.6	131.9	131.8	117.6	137.5	135.8	136.8	141.5
GHG Emissions per GDP index	77.9	77.1	76.1	69.1	61.6	53.6	59.3	54.3	51.6	50.1

Figure 8 - Trend in Energy intensity index, Energy consumption per capita index, GHG Emission per capita index and GHG emission per GDP index, 2004 - 2013

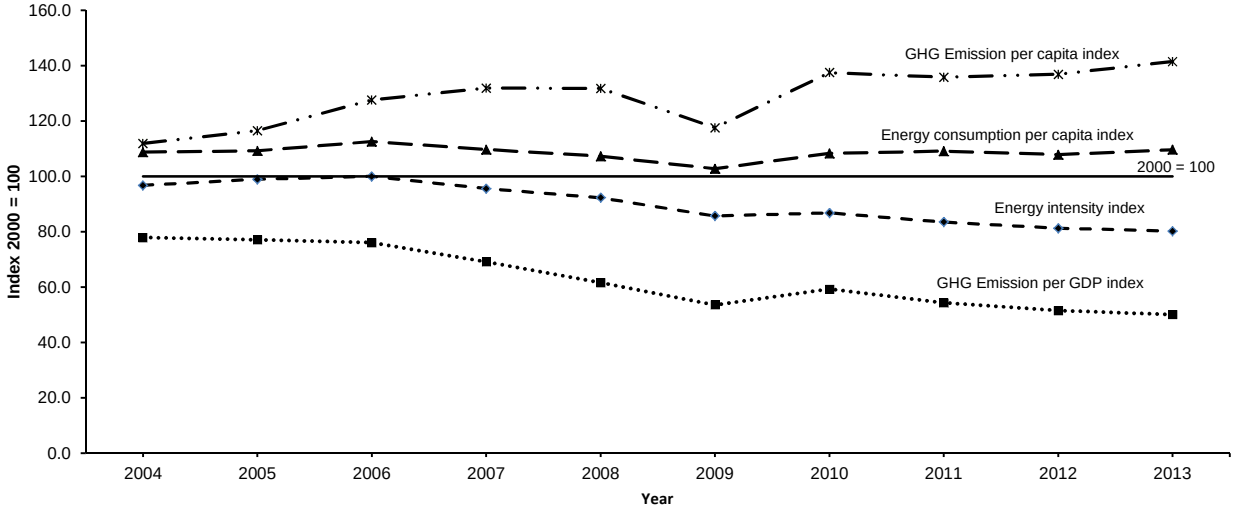


Table 3.10 - Consumption of controlled ozone-depleting substances by sector, 2004 - 2013

Metric Tonnes

Sector	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Process agent	-	0.03	-	-	-	-	-	-	-	-
Refrigeration and air conditioning	171.85	165.64	139.13	156.62	122.48	192.12	96.13	157.40	125.94	96.87
Solvent	0.02	-	-	-	-	-	-	-	-	-
Methyl bromide	-	-	-	-	0.50	-	-	-	-	-
Total	**171.87**	**165.67**	**139.13**	**156.62**	**122.98**	**192.12**	**96.13**	**157.40**	**125.94**	**96.87**

Source : Ministry of Environment and Sustainable Development .

Figure 9 - Consumption of ozone-depleting substances by sector, 2004 - 2013

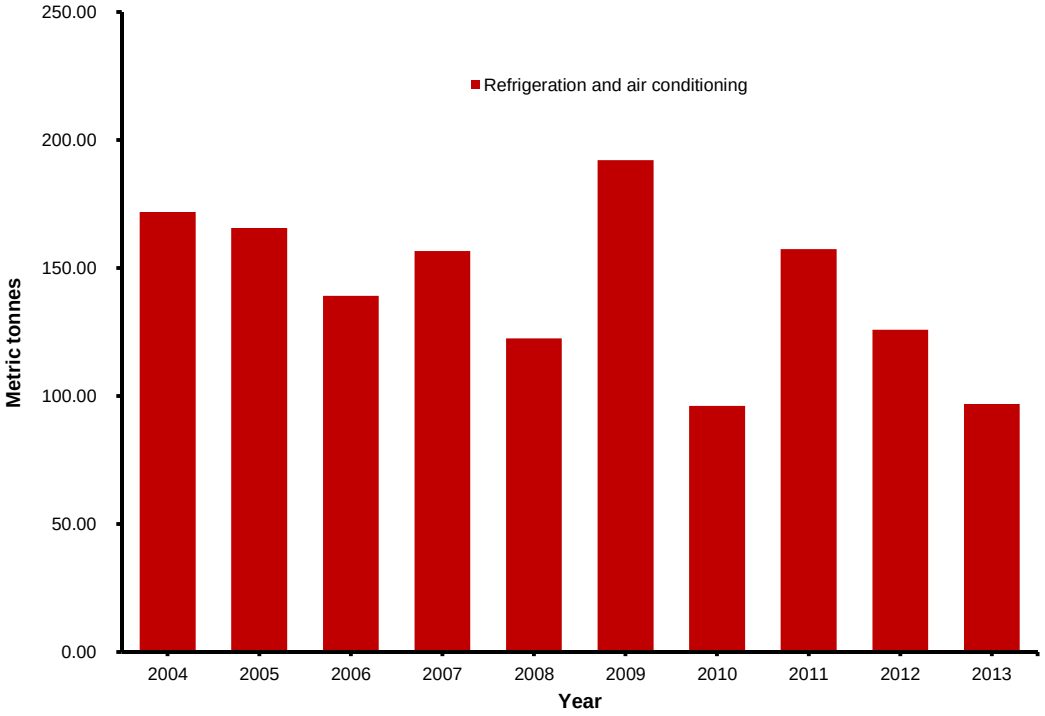


Table 3.11 - Consumption of controlled ozone-depleting substances by type of substances, 2004 - 2013

Metric Tonnes

Type of substances	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Chlorofluorocarbon (CFC's)	3.40	-	1.00	-	-	-	-	-	-	-
Carbon tetrachloride	0.02	0.03	-	-	-	-	-	-	-	-
Hydrochlorofluorocarbon (HCFC's)	168.45	165.64	138.13	156.62	122.98	192.12	96.13	157.40	125.94	96.87
Total	**171.87**	**165.67**	**139.13**	**156.62**	**122.98**	**192.12**	**96.13**	**157.40**	**125.94**	**96.87**

Source : Ministry of Environment and Sustainable Development.

Figure 10 - Consumption of ozone depleting substances by type of substances, 2004 - 2013

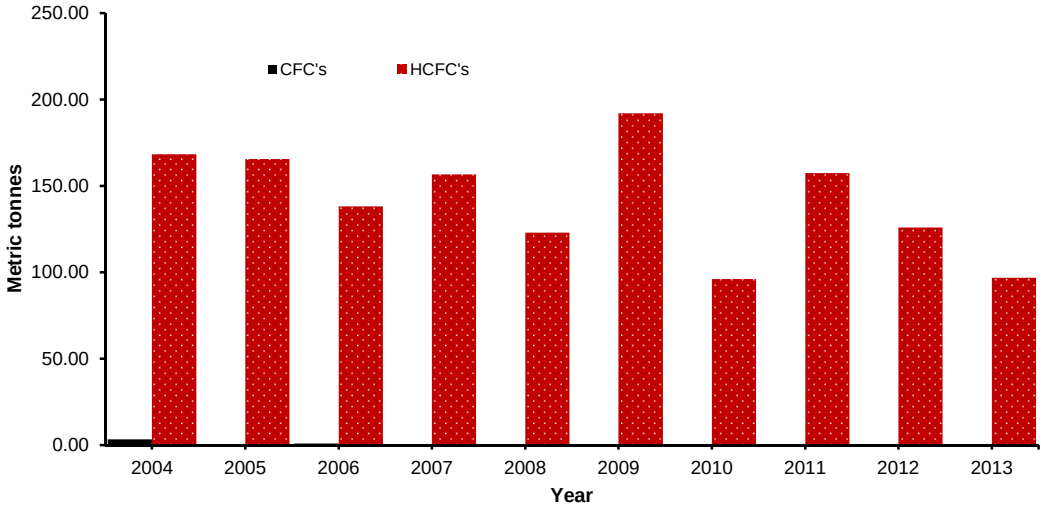


Table 3.12 - Health services (as at 31st December), Republic of Mauritius, 2004 - 2013

Number

Health services	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Regional hospitals	5	5	5	5	5	5	5	5	5	5
District hospitals	3	3	3	3	3	3	3	3	3	3
Specialised hospitals (Psychiatric, chest, eye and E N T) [1]	4	4	4	4	4	4	4	4	4	4
Cardiac Centre	1	1	1	1	1	1	1	1	1	1
Mediclinics	2	2	2	2	2	2	2	2	3	4
Area health centres [2]	27	27	27	27	24	24	24	24	23	22
Health centres with beds (Island of Rodrigues)	2	2	2	2	2	2	2	2	2	2
Community health centres [2]	125	126	127	128	127	127	127	127	129	130
Dispensaries										
Private dispensaries on sugar estates	*17*	*15*	*13*	*12*	*11*	*10*	*10*	*10*	*10*	*10*
Mobile dispensaries	*1*	*1*	*1*	*1*	-	-	-	-	-	-
Clinics										
Dental (including oral surgery and orthodontics)	*46*	*50*	*50*	*50*	*54*	*56*	*57*	*58*	*59*	*59*
Day care Centre for HIV Patient	*1*	*1*	*1*	*1*	*1*	*1*	*2*	*4*	*5*	*5*
Private [3]	*12*	*12*	*13*	*13*	*17*	*19*	*17*	*17*	*17*	*17*
Public mobile dental	*2*	*2*	*2*	*2*	*3*	*3*	*3*	*3*	*3*	*3*
Health offices	14	14	14	14	14	14	14	14	14	14

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

[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 3.13 - Respiratory diseases registered in government hospitals, 2004 - 2013

Number

Year	General hospital discharges [1] (including deaths)			First attendances [1] at regional health centres			Discharges (including deaths) at Poudre D'Or chest hospital [3]			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
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	11,131	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	16,214	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	834	375	1,209	432	393	825
2011	8,082	8,005	16,087	210,612	230,452	441,064	760	433	1,193	434	382	816
2012	8,564	8,549	17,113	232,986	251,708	484,694	578	321	899	516	465	981
2013 [2]	7,970	8,707	16,677	252,122	268,950	521,072	641	371	1,012	565	521	1,086

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

[1] Due to diseases of the respiratory system

[2] Provisional

[3] Prior to 2010, figures exclude transfer-out patients

Table 3.14 - Cases of asthma treated as in-patients in government hospitals, 2004 - 2013

Year	In-Patients					
	Male	%	Female	%	Total	%
2004	1,453	46.2	1,689	53.8	3,142	100.0
2005	1,507	47.5	1,668	52.5	3,175	100.0
2006	1,613	50.6	1,577	49.4	3,190	100.0
2007	1,650	49.4	1,693	50.6	3,343	100.0
2008	1,299	46.9	1,469	53.1	2,768	100.0
2009	1,282	48.0	1,387	52.0	2,669	100.0
2010	1,211	47.2	1,354	52.8	2,565	100.0
2011	1,238	44.9	1,518	55.1	2,756	100.0
2012	1,098	43.9	1,403	56.1	2,501	100.0
2013	1,059	42.5	1,431	57.5	2,490	100.0

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

Table 3.15 - Deaths registered due to asthma, 2004 - 2013

Number

Year	Deaths					
	Male	Rate per 100,000 mid year Population	Female	Rate per 100,000 mid year Population	Total	Rate per 100,000 mid year Population
2004	75	12.79	64	10.72	139	11.74
2005	104	17.64	75	12.48	179	15.04
2006	101	17.05	65	10.77	166	13.88
2007	86	14.46	68	11.22	154	12.82
2008	80	13.40	72	11.84	152	12.61
2009	105	17.56	79	12.95	184	15.23
2010	61	10.18	86	14.07	147	12.14
2011	60	10.01	55	8.98	115	9.49
2012	53	8.82	61	9.94	114	9.38
2013	60	9.96	54	8.78	114	9.36

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

Table 3.16 - Cases of asthma treated as in-patients in government hospitals by age group and sex, 2012 - 2013

Age group (years)	Number of cases					
	Male		Female		Total	
	2012	2013	2012	2013	2012	2013
Less than one year	4	9	0	5	4	14
1 - 4	99	107	67	71	166	178
5 - 9	153	135	91	80	244	215
10 - 14	118	94	77	83	195	177
15 - 19	31	26	53	59	84	85
20 - 24	42	39	40	44	82	83
25 - 29	21	39	33	33	54	72
30 - 34	31	31	39	48	70	79
35 - 39	33	28	42	52	75	80
40 - 44	40	37	61	53	101	90
45 - 49	65	57	104	101	169	158
50 - 54	75	72	82	84	157	156
55 - 59	64	72	123	118	187	190
60 - 64	76	94	136	158	212	252
65 - 69	63	64	126	124	189	188
70 - 74	62	63	98	99	160	162
75 - 79	56	37	94	104	150	141
80 - 84	36	34	68	69	104	103
85 and over	29	21	69	46	98	67
Total	**1,098**	**1,059**	**1,403**	**1,431**	**2,501**	**2,490**

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

Table 3.17 - Deaths registered due to asthma by age group and sex, 2012 - 2013

Age group (years)	Number of cases					
	Male		Female		Total	
	2012	2013	2012	2013	2012	2013
Less than one year	-	-	-	-	-	-
1 - 4	-	1	-	-	-	1
5 - 9	-	-	-	-	-	-
10 - 14	-	-	-	-	-	-
15 - 19	-	-	-	-	-	-
20 - 24	-	2	-	2	-	4
25 - 29	1	-	-	2	1	2
30 - 34	1	-	1	-	2	-
35 - 39	1	1	2	-	3	1
40 - 44	1	4	4	-	5	4
45 - 49	-	2	1	1	1	3
50 - 54	4	1	2	5	6	6
55 - 59	3	2	2	2	5	4
60 - 64	5	7	3	3	8	10
65 - 69	3	6	3	7	6	13
70 - 74	5	5	6	1	11	6
75 - 79	8	9	5	4	13	13
80 - 84	7	9	17	6	24	15
85 and over	14	11	15	21	29	32
Total	**53**	**60**	**61**	**54**	**114**	**114**

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

CHAPTER 4

WATER

Table 4.1 - Monthly rainfall, averaged over all sugar zones[1], 2004 - 2013

Millimetres

Month	Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
January	Mean	416.2	139.0	352.9	325.7	233.8	227.5	339.4	271.2	80.3	229.2
	Difference from Normal	+166.8	-110.4	+103.5	+76.3	-15.6	-21.9	+90.0	21.8	-169.0	-20.1
February	Mean	305.1	401.3	331.5	535.3	224.2	265.0	359.8	324.0	191.3	477.7
	Difference from Normal	-9.9	+ 86.3	+16.5	+220.3	-90.8	-50.0	+44.8	+9.0	-123.7	162.7
March	Mean	211.7	688.7	434.4	162.2	470.0	345.8	289.1	359.0	325.7	298.8
	Difference from Normal	5.4	+482.4	+228.1	-44.1	+263.7	+139.5	+82.8	+152.7	119.4	92.5
April	Mean	282.6	114.8	85.4	105.2	50.2	221.6	142.5	64.6	210.6	172.7
	Difference from Normal	+83.6	-84.2	-113.6	-93.8	-148.8	+22.6	-56.5	-134.4	11.6	-26.3
May	Mean	161.1	109.1	52.8	137.6	276.7	172.1	116.9	116.4	154.7	41.2
	Difference from Normal	+28.9	-23.1	-79.4	+5.4	+144.5	+39.9	-15.3	-15.8	+22.5	-9.1
June	Mean	111.2	134.3	95.4	136.4	151.5	92.6	52.1	146.0	66.4	62.5
	Difference from Normal	+18.1	+41.2	+2.3	+43.3	+58.4	-0.5	-41.0	+52.9	-26.7	-30.6
July	Mean	85.6	158.0	156.4	108.7	108.7	126.8	137.6	88.6	92.7	58.0
	Difference from Normal	-8.7	+63.7	+62.1	+14.4	+14.4	+32.5	+43.3	-5.7	-1.6	-36.3
August	Mean	39.8	91.7	81.2	53.8	67.8	122.3	132.8	164.7	73.6	93.5
	Difference from Normal	-54.6	-2.7	-13.2	-40.6	-26.6	+27.9	+38.4	+70.3	-20.8	-0.9
September	Mean	118.2	207.6	63.1	62.7	330.8	65.8	53.6	39.9	45.4	31.1
	Difference from Normal	+56.9	+146.3	+1.8	+1.4	+269.5	+4.5	-7.7	-21.4	-15.9	-30.2
October	Mean	29.5	55.8	51.1	90.3	51.7	213.6	37.2	44.9	35.7	115.0
	Difference from Normal	-31.7	-5.4	-10.1	+29.1	-9.5	+152.4	-24.0	-16.3	-25.5	53.8
November	Mean	124.8	38.3	77.0	43.6	147.0	180.0	81.4	53.2	63.5	214.2
	Difference from Normal	+55.7	-30.8	+7.9	-25.5	+77.9	+110.9	+12.3	-15.9	-5.6	145.1
December	Mean	168.8	69.3	42.1	53.7	79.4	202.7	12.9	191.9	110.4	93.6
	Difference from Normal	-12.4	-111.9	-139.1	-127.5	-101.8	+21.5	-168.3	+10.7	-70.8	-87.6
Total Year	**Mean**	**2054.6**	**2207.9**	**1823.3**	**1814.8**	**2191.8**	**2235.8**	**1755.3**	**1864.4**	**1450.3**	**1887.5**
	Difference from Normal	+298.3	+451.6	+67.0	+58.5	+435.5	+479.5	-1.0	+108.1	-306.0	+131.2

Source : Meteorological Services

[1] Refer to land under sugar cane cultivation in the Island of Mauritius divided into 5 zones (North, South, East, West and Centre)

Figure 11 - Rainfall difference from normal over all sugar zones, 2013

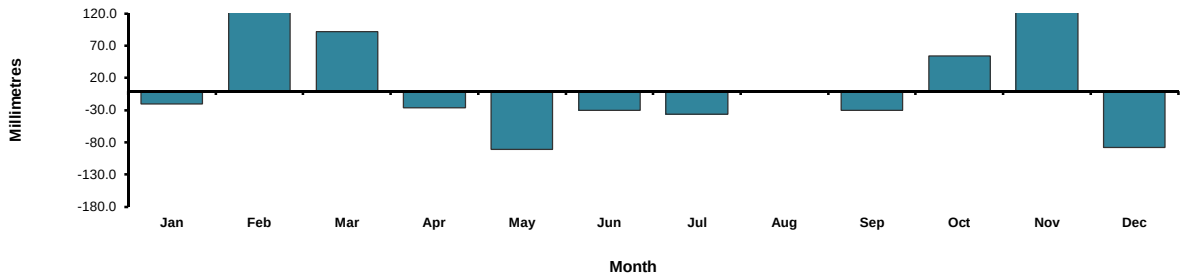


Table 4.2 - Yearly rainfall averaged over all sugar zones by region, 2004 - 2013

Millimetres

Region	Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
North	Mean	1350.8	1404.1	1348.9	1072.0	1609.9	1667.7	1006.9	1428.8	932.7	756.0
	Difference from Normal	*+56.5*	*+109.8*	*+54.6*	*-222.3*	*+315.6*	*+373.4*	*-287.4*	*+134.5*	*-361.6*	*-538.3*
South	Mean	2288.3	2670.7	2076.5	2215.7	2553.3	2548.5	2237.6	2026.2	1728.1	882.7
	Difference from Normal	*-31.9*	*+350.5*	*-243.7*	*-104.5*	*+233.1*	*+228.3*	*-82.6*	*-294.0*	*-592.1*	*-1437.5*
East	Mean	2692.9	2774.9	2226.2	2125.2	2578.1	2699.1	2346.8	2356.9	1868.5	1729.2
	Difference from Normal	*+379.4*	*+461.4*	*-87.3*	*-188.3*	*+264.6*	*+385.6*	*+33.3*	*+43.4*	*-445.0*	*-584.3*
West	Mean	949.3	1097.8	750.9	966.5	1106.7	1233.9	601.1	1030.3	609.6	1796.5
	Difference from Normal	*+120.6*	*+269.1*	*-77.8*	*+137.8*	*+278*	*+405.2*	*-227.6*	*+201.6*	*-219.1*	*+967.8*
Centre	Mean	2262.6	2134.9	1988.0	2179.5	2320.4	2244.1	1461.8	1828.5	1432.0	1493.9
	Difference from Normal	*+237.9*	*+110.2*	*-36.7*	*+154.8*	*+295.7*	*+219.4*	*-562.9*	*-196.2*	*-592.7*	*-530.8*
Island	Mean	2054.6	2207.9	1823.3	1814.8	2191.8	2235.8	1753.3	1864.4	1450.3	1887.5
	Difference from Normal	*+298.3*	*+451.6*	*+67.0*	*+58.5*	*+435.5*	*+479.5*	*-1.0*	*+108.1*	*-306.0*	*+131.2*

Source : Meteorological Services

Table 4.3 - Mean rainfall, 2004 - 2013

Millimetres

Year / Month	Long Term Mean (1971 - 2000)	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
January	261	443	148	356	347	247	259	318	304	89	246
February	336	316	407	342	572	260	281	374	330	224	463
March	242	252	727	454	165	519	352	271	373	329	338
April	226	297	117	89	119	54	233	138	58	238	208
May	159	203	126	55	139	287	178	120	114	179	52
June	115	131	139	102	142	170	96	60	151	74	72
July	120	93	174	180	123	123	147	160	93	106	66
August	122	46	106	87	63	73	130	156	172	76	102
September	81	120	233	73	71	346	73	60	44	51	38
October	70	36	64	60	105	60	245	45	51	47	132
November	80	139	48	90	45	145	184	89	71	70	227
December	199	194	83	47	63	97	212	15	184	126	105
Total Year		**2,271**	**2,374**	**1,936**	**1,954**	**2,381**	**2,390**	**1,806**	**1,945**	**1,609**	**2,049**

Source : Meteorological Services

Table 4.4 - Water balance, 2004 - 2013

Mm ^{3}

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Rainfall	**3,890**	**4,801**	**3,571**	**3,644**	**4,440**	**4,470**	**3,368**	**3,627**	**3,001**	**3,821**
Surface runoff	*2,334*	*2,881*	*2,143*	*2,186*	*2,664*	*2,682*	*2,021*	*2,176*	*1,801*	*2,293*
Evapotranspiration	*1,667*	*1,440*	*1,071*	*1,093*	*1,332*	*1,341*	*1,010*	*1,088*	*900*	*1,146*
Net recharge to groundwater	*389*	*480*	*357*	*364*	*444*	*447*	*337*	*363*	*300*	*382*

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

Figure 12 - Water balance, 2004 - 2013

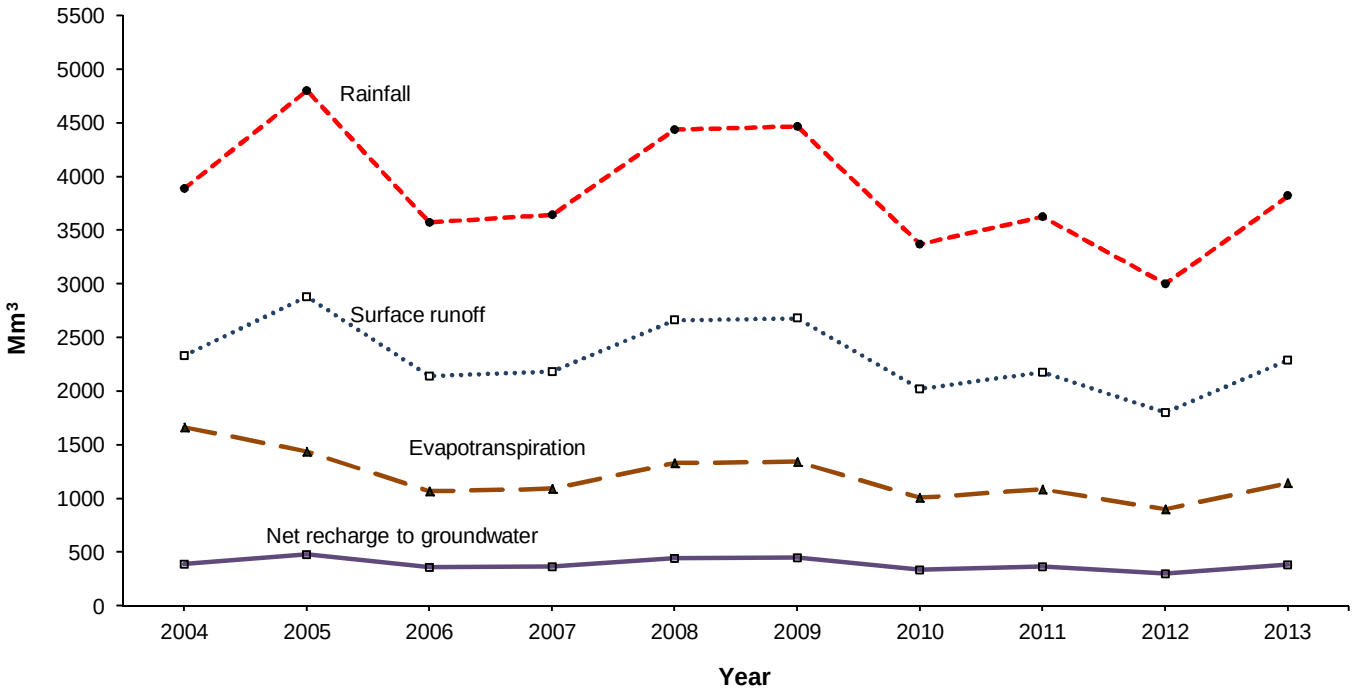


Table 4.5 - Water utilisation, 2012 - 2013

Mm^3

Use	2012				2013			
	Surface water		Ground water	Total	Surface water		Ground water	Total
	River-run offtakes	Reservoirs			River-run offtakes	Reservoirs		
Domestic, Industrial [1] and Tourism	35 [3]	62	109	**206**	34 [3]	78	108	**220**
Industrial [2]	5	-	6	**11**	5	2	6	**13**
Agricultural	299	59 [4]	7	**365**	312	56 [4]	7	**375**
Hydropower	114	104 [5]	-	**218**	146 [5]	134 [5]	-	**280**
Overall utilisation	**453**	**225**	**122**	**800**	**497**	**270**	**121**	**888**
Total water mobilisation	**435**	**190**	**122**	**747**	**465**	**224**	**121**	**810**

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

[1] Used through CWA

[2] Used by water right owners and ground water licensees

[3] Includes water used by Reduit hydropower Station

[4] Includes water used by Tamarind Falls and Magenta hydropower Stations

[5] Includes water used for Tamarind Falls, Magenta, Le Val and Ferney hydropower Stations

Figure 13 - Water utilisation, 2013

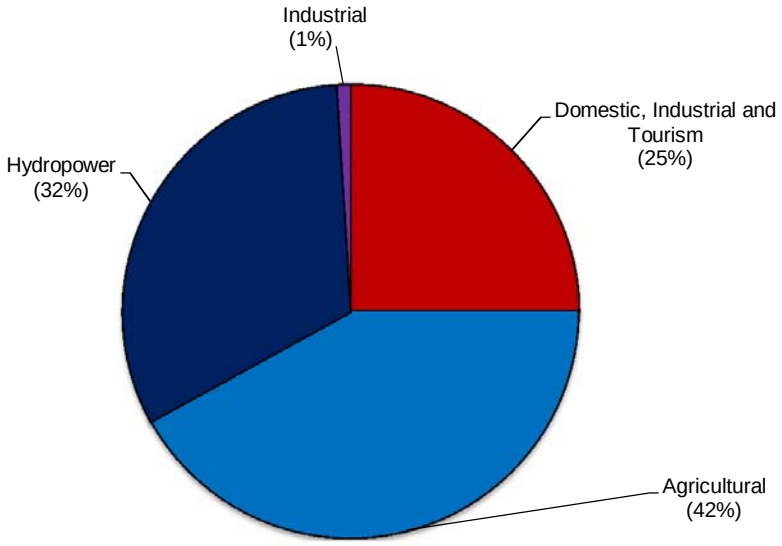


Table 4.6 - Fresh water abstractions[1] by source, 2004 - 2013 [2]

Mm^3

Source	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross fresh surface water abstraction	**575**	**541**	**528**	**518**	**497**	**511**	**513**	**449**	**460**	**487**
Reservoirs	*167*	*154*	*146*	*145*	*137*	*150*	*152*	*104*	*121*	*136*
Rivers and streams	*408*	*387*	*382*	*373*	*360*	*361*	*361*	*345*	*339*	*351*
Gross ground water abstraction	**150**	**150**	**154**	**112**	**119**	**121**	**124**	**122**	**122**	**121**
Total	**725**	**691**	**682**	**630**	**616**	**632**	**637**	**571**	**582**	**608**

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 - Fresh water abstractions[1] by sector, 2004 - 2013

Mm^3

Sector	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross fresh surface water abstraction	**575**	**541**	**528**	**518**	**497**	**511**	**513**	**449**	**460**	**487**
Water supply industry (Central Water Authority)	*110*	*99*	*100*	*102*	*107*	*112*	*110*	*94*	*97*	*112*
Manufacturing	*-*	*-*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*7*
Agriculture, forestry and fishing	*465*	*442*	*423*	*411*	*385*	*394*	*398*	*350*	*358*	*368*
Gross ground water abstraction	**150**	**150**	**154**	**112**	**119**	**121**	**124**	**122**	**122**	**121**
Water supply industry (Central Water Authority)	*114*	*115*	*116*	*99*	*107*	*111*	*113*	*111*	*109*	*108*
Manufacturing	11	11	13	6	6	5	5	5	6	6
Agriculture, forestry and fishing	25	24	25	7	6	5	6	6	7	7
Total	**725**	**691**	**682**	**630**	**616**	**632**	**637**	**571**	**582**	**608**

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

[1] for agricultural, domestic and industrial purposes.

Note: Year refer to Hydrologic year (i.e. From November n-1 to October n, where n = year)

Table 4.8 - Gross storage capacity and characteristics of reservoirs

Reservoir	Gross capacity (Mm^3)	% of gross capacity	Purpose	Maximum water spread area (km^2)	Full reservoir level, m (a.m.s.l) [2]
Mare aux Vacoas[1]	25.89	28.5	Domestic	5.60	566.35
Midlands Dam	25.50	28.1	Domestic, irrigation and industrial	2.98	395.00
La Ferme[1]	11.52	12.7	Irrigation	2.28	146.00
Mare Longue	6.28	6.9	Hydro-power and irrigation	1.05	576.91
La Nicoliere[1]	5.26	5.8	Domestic, irrigation and industrial	1.02	249.02
Diamamove	4.30	4.7	Hydro-power	0.43	241.00
Eau Bleue	4.10	4.5	Hydro-power	0.75	355.00
Piton du Milieu[1]	2.99	3.3	Domestic	0.76	438.00
Tamarind Falls	2.30	2.5	Hydro-power and irrigation	1.68	492.36
Valetta	2.00	2.2	…	…	…
Dagotiere	0.60	0.7	…	…	…
Total Storage Capacity	**90.74**	**100.0**			

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

[1] Based on hydrographic survey of 1997

[2] a.m.s.l : above mean sea level

Table 4.9- Percentage water level by month and reservoir, 2012 - 2013

%

Month		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mare aux Vacoas (Capacity 25.89 Mm^3)													
Normal*		***60***	***65***	***80***	***83***	***83***	***81***	***79***	***80***	***78***	***72***	***63***	***58***
2012	Mean	25	27	38	62	86	89	86	83	78	72	64	55
	Min	24	23	33	51	77	87	85	81	76	68	60	52
	Max	27	30	49	76	90	90	88	85	81	75	68	59
2013	Mean	61	73	92	100	95	87	79	75	68	60	57	59
	Min	52	63	85	99	91	84	76	72	64	55	55	56
	Max	64	85	99	100	99	90	84	76	72	64	62	62
La Nicoliere (Capacity 5.26 Mm^3)													
Normal*		***63***	***75***	***91***	***92***	***95***	***94***	***93***	***94***	***89***	***69***	***46***	***39***
2012	Mean	75	64	97	100	100	100	97	94	55	61	57	41
	Min	56	44	81	100	100	98	89	80	42	55	39	39
	Max	87	78	100	100	100	100	100	100	78	64	63	44
2013	Mean	51	80	100	100	92	50	58	65	75	57	45	62
	Min	44	53	100	100	72	41	56	58	71	39	39	57
	Max	56	100	100	100	100	70	59	72	77	71	54	66
Piton du Milieu (Capacity 2.99 Mm^3)													
Normal*		***64***	***72***	***88***	***89***	***91***	***86***	***83***	***83***	***81***	***73***	***60***	***57***
2012	Mean	70	81	99	100	99	97	95	88	75	60	43	31
	Min	66	64	97	99	98	94	93	82	68	51	37	26
	Max	73	100	100	100	100	99	97	93	82	68	51	37
2013	Mean	48	84	99	100	95	84	79	71	68	58	53	61
	Min	27	61	98	98	89	82	75	69	64	51	50	56
	Max	61	100	100	100	99	89	83	74	70	64	60	64
La Ferme (Capacity 11.52 Mm^3)													
Normal*		***23***	***30***	***64***	***75***	***77***	***69***	***58***	***49***	***37***	***25***	***13***	***10***
2012	Mean	30	28	33	67	97	94	85	76	63	50	36	25
	Min	27	26	30	44	87	91	81	70	57	42	31	21
	Max	32	29	42	86	100	99	91	81	70	57	42	30
2013	Mean	26	40	90	100	90	71	63	52	40	28	24	44
	Min	21	27	69	99	79	68	56	47	33	22	21	37
	Max	28	68	100	100	99	78	68	56	46	33	35	46
Mare Longue (Capacity 6.28 Mm^3)													
Normal*		***32***	***48***	***73***	***75***	***77***	***73***	***65***	***63***	***58***	***46***	***28***	***20***
2012	Mean	60	53	57	73	86	85	81	74	66	59	50	40
	Min	54	50	54	65	83	84	77	70	63	54	46	36
	Max	66	55	63	82	89	88	83	77	70	63	54	45
2013	Mean	43	56	82	100	98	91	84	80	77	68	64	64
	Min	36	46	70	99	94	89	81	79	72	63	62	62
	Max	47	69	95	100	99	94	89	81	80	72	66	67
Midlands Dam (Capacity 25.5 Mm^3)													
2012	Mean	80	84	99	100	100	100	100	100	97	80	62	45
	Min	79	80	92	100	100	99	99	100	91	71	56	37
	Max	82	90	100	100	100	100	100	100	100	90	70	55
2013	Mean	47	66	91	100	97	93	79	64	55	45	42	41
	Min	37	53	81	97	96	88	71	59	50	40	41	38
	Max	52	81	100	100	98	97	87	70	59	50	44	44
All reservoirs excluding Midlands Dam (Capacity 51.94 Mm^3)													
Normal*		***49***	***56***	***77***	***82***	***83***	***79***	***75***	***73***	***68***	***58***	***46***	***41***
2012	Mean	38	37	49	71	91	91	87	82	71	64	54	44
	Min	34	32	44	59	84	90	85	77	67	59	48	41
	Max	41	42	57	83	94	93	90	85	77	67	59	48
2013	Mean	49	65	91	100	94	80	74	69	64	53	49	57
	Min	41	52	82	99	87	77	70	66	59	47	46	53
	Max	53	82	99	100	99	86	78	72	68	59	56	60

***** Normal is the long term mean for 1990-1999

Source: Water Resources Unit

Table 4.10 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2013

Mm^3

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	3.5	0.5	4.0	0.0	2.4	2.4	1.8	1.0	2.8	2.4	1.7	4.1	0.8	1.7	2.5	0.7	1.7	2.4	9.2	9.0	18.2	51.0	49.0
Feb	3.3	0.5	3.8	0.0	2.3	2.3	1.6	1.0	2.6	2.1	1.6	3.7	0.6	1.5	2.1	0.7	1.5	2.2	8.3	8.4	16.7	50.0	50.0
Mar	3.8	0.6	4.4	0.0	2.9	2.9	1.6	1.4	3.0	2.3	2.0	4.3	0.7	1.7	2.4	0.9	1.7	2.6	9.3	10.3	19.6	47.0	53.0
Apr	3.7	0.6	4.3	0.0	2.8	2.8	1.7	1.3	3.0	2.2	1.9	4.1	0.7	1.5	2.2	0.8	1.5	2.3	9.1	9.6	18.7	49.0	51.0
May	3.7	0.6	4.3	0.0	2.7	2.7	1.8	1.8	3.6	2.2	2.0	4.2	0.8	1.5	2.3	0.8	1.5	2.3	9.3	10.1	19.4	48.0	52.0
Jun	3.7	0.6	4.3	0.0	2.4	2.4	1.7	1.2	2.9	2.1	1.8	3.9	0.8	1.3	2.1	0.8	1.3	2.1	9.1	8.6	17.7	51.0	49.0
Jul	3.9	0.6	4.5	0.0	2.5	2.5	1.8	1.2	3.0	2.2	1.8	4.0	0.9	1.2	2.1	0.7	1.2	1.9	9.5	8.5	18.0	53.0	47.0
Aug	3.7	0.6	4.3	0.0	2.4	2.4	1.8	1.1	2.9	2.2	1.8	4.0	0.9	1.2	2.1	0.8	1.2	2.0	9.4	8.3	17.7	53.0	47.0
Sep	3.4	0.5	3.9	0.0	2.2	2.2	1.8	1.1	2.9	2.1	1.7	3.8	0.8	1.2	2.0	0.7	1.2	1.9	8.8	7.9	16.7	53.0	47.0
Oct	3.5	0.5	4.0	0.0	2.4	2.4	1.5	0.8	2.3	2.2	1.7	3.9	0.9	1.2	2.1	0.8	1.2	2.0	8.9	7.8	16.7	53.0	47.0
Nov	3.4	0.5	3.9	0.0	2.4	2.4	1.6	0.6	2.2	2.1	1.6	3.7	0.9	1.3	2.2	0.8	1.3	2.1	8.8	7.7	16.5	53.0	47.0
Dec	3.6	0.5	4.1	0.0	2.6	2.6	1.0	0.7	1.7	2.2	1.7	3.9	0.9	1.4	2.3	0.9	1.4	2.3	8.6	8.3	16.9	51.0	49.0
Total year	**43.2**	**6.6**	**49.8**	**0.0**	**30.0**	**30.0**	**19.7**	**13.2**	**32.9**	**26.3**	**21.3**	**47.6**	**9.7**	**16.7**	**26.4**	**9.4**	**16.7**	**26.1**	**108.3**	**104.5**	**212.8**	**51.0**	**49.0**

Source: Central Water Authority

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

Type of tariff	2007	2008	2009	2010	2011	2007	2008	2009	2010	2011
	No. of subscribers					Volume sold (thousand m³)				
Domestic	278,625	284,592	292,294	299,300	305,121	73,007	72,093	75,119	76,521	73,657
Government	3,879	4,053	4,184	4,224	4,288	4,686	4,788	4,956	4,887	4,444
Acquired / concessionary prises	43	44	43	39	39	16	15	14	14	15
Commercial	11,260	11,855	12,822	13,308	13,696	6,743	7,086	7,543	7,973	7,423
Hotels, Guest Houses	224	264	280	297	307	4,429	4,595	4,652	5,057	5,154
Industrial	744	716	697	661	648	4,827	3,995	4,055	4,285	4,258
Ship	1	1	1	1	1	38	50	52	48	49
Sub total	***294,776***	***301,525***	***310,321***	***317,830***	***324,100***	***93,746***	***92,622***	***96,392***	***98,785***	***95,000***
Vegetable & Livestock producers	3,129	3,281	3,611	3,774	3,915	1,421	1,403	1,455	1,536	1,456
Total potable water	**297,905**	**304,806**	**313,932**	**321,604**	**328,015**	**95,167**	**94,025**	**97,847**	**100,321**	**96,456**
Total non-treated water *(Agriculture/Industrial)*	**278**	**286**	**294**	**296**	**311**	**15,490**	**14,799**	**12,419**	**14,678**	**16,912**
Grand Total	**298,183**	**305,092**	**314,226**	**321,900**	**328,326**	**110,657**	**108,824**	**110,266**	**114,999**	**113,369**
Type of tariff	**Amount collectible Rs.(000)**					**Average sales price (Rs/m³)**				
Domestic	549,907	509,134	536,537	550,641	516,810	7.53	7.06	7.14	7.20	7.02
Government	84,235	85,883	88,736	86,815	78,037	17.98	17.94	17.91	17.77	17.56
Acquired / concessionary prises	117	87	73	78	103	7.31	5.87	5.04	5.41	6.73
Commercial	115,157	120,113	127,860	134,923	124,182	17.08	16.95	16.95	16.92	16.73
Hotels, Guest Houses	129,650	134,117	135,515	147,363	148,415	29.27	29.19	29.13	29.14	28.80
Industrial	72,998	59,782	60,900	64,151	63,870	15.12	14.96	15.02	14.97	15.00
Ship	1,070	1,399	1,469	1,412	1,392	28.00	28.00	28.00	29.19	28.43
Sub total	***953,134***	***910,515***	***951,088***	***985,383***	***932,809***	***10.17***	***9.83***	***9.87***	***9.98***	***9.82***
Vegetable & Livestock producers	11,282	11,024	11,735	12,058	11,055	7.94	7.86	8.06	7.85	7.59
Total potable water	**964,416**	**921,539**	**962,823**	**997,441**	**943,864**	**10.13**	**9.80**	**9.84**	**9.94**	**9.79**
Total non-treated water *(Agriculture/Industrial)*	**41,120**	**40,316**	**35,985**	**38,349**	**42,269**	**2.65**	**2.72**	**2.90**	**2.61**	**2.50**
Grand Total	**1,005,536**	**961,855**	**998,808**	**1,035,790**	**986,133**	**9.09**	**8.84**	**9.06**	**9.01**	**8.70**

Table 4.11 (cont'd) - Water sales by type of tariff of subscriber, 2012 & 2013

Type of Tariff [2/]	No. of subscribers		Volume sold (Mm^3)		Amount Collectible (Rs Million)		Average sales price per m^3 (Rupees)		Average consumption (m^3)	
	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013
Domestic	310,992	317,786	72.9	73.4	689.7	696.3	9.46	9.49	234	231
Public Sector Agency	2,497	2,511	3.8	3.8	89.7	91.1	23.77	24.00	1,512	1,512
Acquired / concessionary prises	38	38	0.0	0.0	0.2	0.1	13.12	9.87	457	355
Business	1,109	1,118	6.5	7.0	223.3	241.0	34.26	34.52	5,876	6,244
Commercial	13,434	13,646	6.0	6.0	156.9	160.6	26.16	26.57	446	443
Religious	1,910	1,981	0.6	0.6	11.3	11.5	19.41	19.65	305	295
Industrial	625	598	3.9	3.8	69.8	68.7	18.04	18.16	6,186	6,327
Agriculture	3,833	3,942	1.4	1.3	19.7	19.0	14.38	14.67	357	329
Total potable water	**334,438**	**341,620**	**95.0**	**95.9**	**1260.5**	**1288.4**	**13.26**	**13.44**	**284**	**281**
Total non-treated water *(Mainly for Agriculture and Industry)*	**323**	**332**	**16.1**	**15.4**	**62.1**	**60.3**	**3.85**	**3.91**	**49,914**	**46,449**
Grand Total	**334,761**	**341,952**	**111.2**	**111.3**	**1322.6**	**1348.7**	**11.90**	**12.12**	**332.0**	**325.0**

1/ Consumers metered by CWA
2/ The water supply regulations of 2011, effective as from Jan 2012, changed the tariffs and categories of subscribers.
Source: Central Water Authority

Table 4.12 – Daily per capita domestic and potable water consumption, 2004 – 2013

Litres/day

Year	Daily per capita domestic water consumption	Daily per capita potable water consumption
2004	165	206
2005	167	213
2006	158	212
2007	167	213
2008	163	209
2009	166	217
2010	167	221
2011	162	212
2012	160	207
2013 [1]	165	216

Source: Central Water Authority [1] Provisional

Figure 14 - Daily per capita domestic and potable water consumption, 2004 - 2013

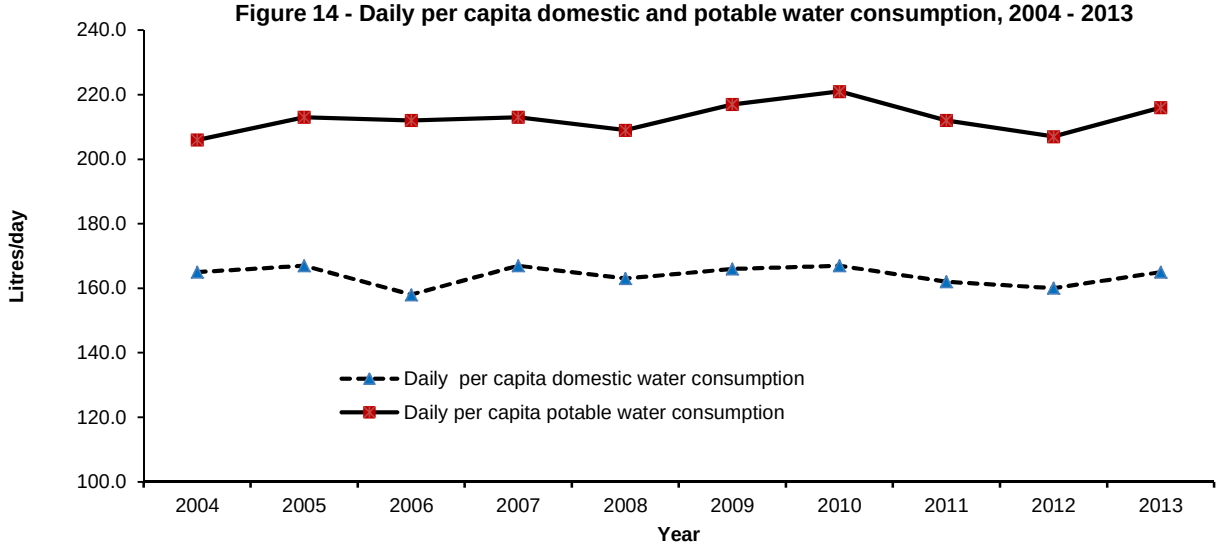


Table 4.13 - Volume of water used by the Central Electricity Board for hydropower generation, 2004 - 2013

Mm^3

Power station	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 [1]
Champagne	117	105	62	61	91	105	87	44	69	78
Ferney	117	116	79	95	99	125	100	77	82	107
Tamarind Falls	37	37	26	27	22	33	29	11	13	20
Le Val	17	14	10	13	16	13	13	3	10	17
Reduit	30	26	21	20	30	36	20	21	18	15
Cascade Cecile	14	8	7	17	20	23	19	11	12	17
Magenta	13	25	17	16	5	17	22	10	12	19
La Ferme	-	-	5	5	9	14	8	4	2	7
Total	**345**	**331**	**227**	**254**	**292**	**366**	**298**	**181**	**218**	**280**

Source: Central Electricity Board
[1] Provisional

Table 4.14 - Guidelines for inland surface water [1] quality,1998

Parameters	Unit	Maximum Limits
Inorganics		
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_2S	"	2.0
Phosphate (for a lake)	"	25
(for streams entering a lake)	"	50
(for streams not entering a lake)	"	100
Organics		
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 . (Government Notice No 188 of 1998)

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

[2] Lower limit at 25^0 C.

Table 4.15 - River water quality by selected physico-chemical parameters, 2013

Rivers	Parameters											
			mg/L									
	Temperature °C	pH	Dissolved Oxygen (DO)	Chemical Oxygen Demand	Phosphorus as P	Chloride	Nitrate as NO_3	Sulphate	Sodium	Potassium	Calcium	Magnesium
Riv. du Rempart	22.7 - 29.1	7.0 - 7.4	6.0 - 7.8	<10	<0.01 - 0.02	28.8 - 102.4	16.3 - 21.7	10.6 - 24.9	21.7 - 63.5	1.1 - 2.2	12.65 - 22.33	9.95 - 15.51
Riviere Plaine Wilhems	20.4 - 25.4	7.3 - 7.5	6.0 - 7.7	<10	<0.01 - 0.03	11.2 - 20	6.4 - 11.7	8.5 - 11.3	15.2 - 15.4	0.7 - 1.1	8.38 - 17.36	8.00 - 18.38
Riviere du Poste de Flacq	23.3 - 28.2	8.1	7.5 - 8.5	<10	0.02	4.2 - 19.1	8.8 - 10.3	6.9 - 14.7	14.4 - 17.3	0.8 - 1.1	11.42 - 12.83	11.23 - 15.08
River Moka	20.7 - 25.3	7.4 - 7.7	7.4 - 7.8	<10	0.01 - 0.02	15.6 - 21.1	9.4 - 21.6	2.8 - 6.0	12.0 - 13.3	0.4 - 0.8	6.00 - 7.84	7.42 - 8.92
Riviere Labourdonnais	20.7 - 27.1	7.9 - 8.1	7.3 - 9.1	<10	0.01 - 0.03	30.4 - 72.4	13.2 - 20.3	13.7 - 14.7	24.9 - 30.5	0.4 - 0.9	9.75 - 22.1	9.57 - 16.4
Riviere Francoise	23.5 - 27.3	7.5 - 7.7	7.8 - 8.1	<10	0.01 - 0.04	3.4 - 16.6	8.9 - 9.8	4.3 - 5.7	11.9 - 15.4	0.6 - 1.3	5.80 - 6.45	5.48 - 8.96
Riv. des Creoles	22.9 - 23.2	7.0 - 7.7	5.4 - 7.2	<10	0.02 - 0.03	8.4 - 14.4	2.7 - 8.4	0.3 - 6.2	8.9 - 9.6	0.5 - 1.2	3.25 - 6.50	4.78 - 9.18
Riv. Cascade	20.8 - 25.9	7.7 - 7.9	7.8 - 8.3	<10 - 19	<0.01 - 0.02	17 - 22.6	8.7 - 12.7	1.8 - 11.9	11.1 - 12.3	0.7 - 1.0	6.92 - 22.48	5.85 - 8.48
Riv. des Anguilles	21.1 - 23.0	7.7 - 7.8	7.6 - 8.6	<10	0.01 - 0.03	10.6 - 12.8	4.4 - 6.8	0.2 - 3.8	9.6 - 10.1	0.4 - 1.0	4.79 - 8.46	3.26 - 5.54
Black River	20.4 - 25.2	7.1 - 7.8	7.1 - 8.4	<10	<0.01 - 0.02	4.4 - 19.8	ND - 0.5	0.4 - 2.4	12.0 - 20.7	0.4 - 0.7	3.49 - 9.39	6.05 - 8.70
Grand River South East	23.5 - 27.3	7.9- 8.0	7.6 - 8.3	<10	0.01 - 0.02	2.2 - 15.8	3.9 - 6.3	4.8 - 5.7	10.8 - 13.6	0.7 - 1.2	6.08 - 6.60	5.65 - 8.54
Riv. La Chaux	22.8 - 27.0	7.0 - 7.8	7.8 - 8.6	<10	0.02	10 - 14.8	2.3 - 6.2	2.3 - 5.7	11.5 - 11.9	0.6 - 1.3	4.38 - 7.96	2.88 - 7.17
Riv. des Galets	20.6 - 25.5	7.8 - 8.0	7.3 - 9.0	<10	0.02	2.3 - 14.8	0.4 - 0.8	ND - 3.0	9.4 - 13.1	0.6 - 1.0	3.89 - 6.12	2.28 - 5.54
Riv. Baie du Cap	19.9 - 25.4	7.6 - 7.7	7.8 - 8.5	<10	0.02	2.6 - 16.8	0.5 - 0.7	1.3 - 2.7	12.7 - 14.4	0.9 - 1.1	5.75 - 6.58	3.58 - 5.82

Source: National Environmental Laboratory, Ministry of Environment and Sustainable Development
ND:Not detected

Table 4.16 - Range of levels of Nitrate-Nitrogen, Phosphate and Chemical Oxygen Demand (COD) for selected regions, 2013

Milligram per litre

Region	Chemical water quality parameter		
	Nitrate-Nitrogen (NO_3^- - N)	Phosphate (PO_4^3)	Chemical Oxygen demand (COD)
Bel Ombre (Recreation)	<0.1 - 0.3	0.06 - 0.17	0.5 - 1.1
Bambous Virieux (Recreation)	<0.1 - 0.8	0.03 - 0.35	0.2 - 2.7
Trou D'Eau Douce (Recreation)	0.1 - 0.3	N.D	0.1 - 1.0
Anse la Raie (Recreation)	0.2 - 0.5	0.03 - 0.13	0.5 - 1.9
Trou aux Biches (Recreation)	<0.1 - 0.7	0.08 - 0.15	0.03 - 1.01
Pointe aux Sables (Industrial & others)	<0.1 - 0.4	0.04 - 0.27	0.02 - 2.0
Tombeau Bay (Industrial & others)	<0.1 - 0.5	< 0.01 - 0.14	0.1 - 1.2
Port Louis Harbour (Industrial & others)	<0.1 - 0.2	0.01 - 0.31	0.4 - 0.8

Source: Albion Fisheries Research Centre, Ministry of Fisheries N.D - Not detected

Note : - Coastal Water Quality Guideline limits (**Conservation**): Nitrate – Nitrogen - 0.3 mg/l, Phosphate - 0.05 mg/l and COD –2mg/l

- Coastal Water Quality Guideline limits (**Recreation**): Nitrate – Nitrogen - 0.8 mg/l, Phosphate - 0.08mg/l and COD - 5mg/l

- Coastal Water Quality Guideline limits (**Industrial**): Nitrate – Nitrogen – 1.0 mg/, Phosphate – 0.1mg/l and COD - 5mg/l

Table 4.17 - Volume of wastewater treated by public treatment stations, 2004 - 2013

Mm^3

Station	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Montagne Jacquot	5.06	5.20	7.84	-	10.00	16.50	11.40	17.25	11.50	13.22
Baie du Tombeau	8.27	8.27	8.40	8.20	8.21	8.21	8.21	8.94	8.70	8.54
Pailles TP	0.12	0.18	0.07	0.07	0.10	0.10	0.10	0.10	0.10	0.10
B. Marchand	0.27	0.19	0.17	0.17	0.20	0.20	0.20	0.20	0.20	0.20
Riviere du Rempart	0.05	0.05	0.05	0.06	0.10	0.10	0.10	0.10	0.10	0.10
Grand Bay	-	-	-	-	0.60	0.60	0.60	0.60	0.77	0.86
St. Martin	13.10	13.88	14.93	15.50	16.70	15.95	14.00	12.64	14.90	17.69
Robinson	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Vuillemin	0.07	0.07	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Flacq	0.18	0.23	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Dubreuil	0.68	0.68	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Total	**27.82**	**28.77**	**31.79**	**24.33**	**36.24**	**41.99**	**34.94**	**40.16**	**36.60**	**41.04**

Source : Wastewater Management Authority

Table 4.18 - Sea water quality in coastal area - (Terre Rouge Rivulet Bird Sanctuary), 2004 - 2013

Variable	Unit	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Chemical Oxygen Demand (COD)	mg O_2/l	0.01 - 1.61	0.1- 1.2	0.9 - 2.5	0.8 - 3.8	0.6 - 2.1	0.1 - 1.3	0.3 - 0.5	0.3 - 2.4	0.10 - 0.5	0.20 - 0.80
Total Phosphorus[1]	mg PO_4^{3-}/l	0.01- 0.13	0.01 - 0.22	0.01 - 0.15	0.03 - 0.12	0.04 - 0.13	0.01 - 0.19	0.03 - 0.22	0.01 - 0.15	0.07 - 0.21	0.21 - 0.37
Total Nitrogen[2]	mg NO_3^- - N/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 - 0.3

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 for Total Nitrogen below detection limit are taken as <0.1.

- Coastal Water Quality Guideline limits (**Conservation**): Nitrate – Nitrogen - 0.3 mg/l, Phosphate - 0.05 mg/l and COD –2mg/l

Table 4.19 - New cases of certain notifiable diseases reported to sanitary authorities, 2004 - 2013

Number

Disease / Year	Amoebiasis	Food Poisoning	Leptospirosis	Malaria [1]	Typhoid fever
2004	-	160	3	45	1
2005	-	29	6	35	5
2006	1	78	6	38	4
2007	-	766	9	42	15
2008	-	129	3	27	6
2009	-	718	7	23	5
2010	-	156	28	52	3
2011	-	445	17	54	5
2012	-	264	16	33	4
2013	-	390	25	49	5

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

[1] No new cases of indigenous malaria have been reported from 2004 - 2013

Note: No new cases of schistosomiasis have been reported from 2004 - 2013

Table 4.20 - Enteritis and other diarrhoeal diseases, 2004 - 2013

Number

Year	Cases treated as in-patients in government hospitals					Deaths in whole island				
	Under one Year	1 - 4 Years	5 - 14 Years	15 Years and over	Total	Under one Year	1 - 4 Years	5 - 14 Years	15 Years and over	Total
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
2012	406	827	838	3,590	5,661	2	-	1	29	32
2013	615	1,758	1,156	3,991	7,520	2	2	-	33	37

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

Table 4.21 - Sea transport [1], 2004 - 2013

Period	Number of vessels entering	Goods unloaded (000t)	Goods loaded [2] (000's)
2004	2,015	4,549	1,304
2005	2,318	4,406	1,197
2006	2,428	4,433	1,253
2007	2,317	5,062	1,165
2008	2,008	5,140	1,155
2009	2,079	4,761	1,110
2010	2,172	5,100	1,130
2011	2,654	5,387	1,091
2012	3,476	5,933	1,142
2013	3,652	5,656	1,080

[1] exclude fishing vessels berthed in Port Louis only.

[2] exclude bunkers

Table 4.22 - Contraventions established by the National Coast Guard, 2004 - 2013

Year	Illegal fishing activities	Beach offences	Illegal pleasure craft activities	Miscellaneous [1]	Total
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	1,363
2012	161	268	678	475	1,582
2013	291	268	704	234	1,497

[1] As from 2011, include contraventions for road traffic offenses
Source: Police Department

Figure 15 - Contraventions established by National Coast Guard, 2004 - 2013

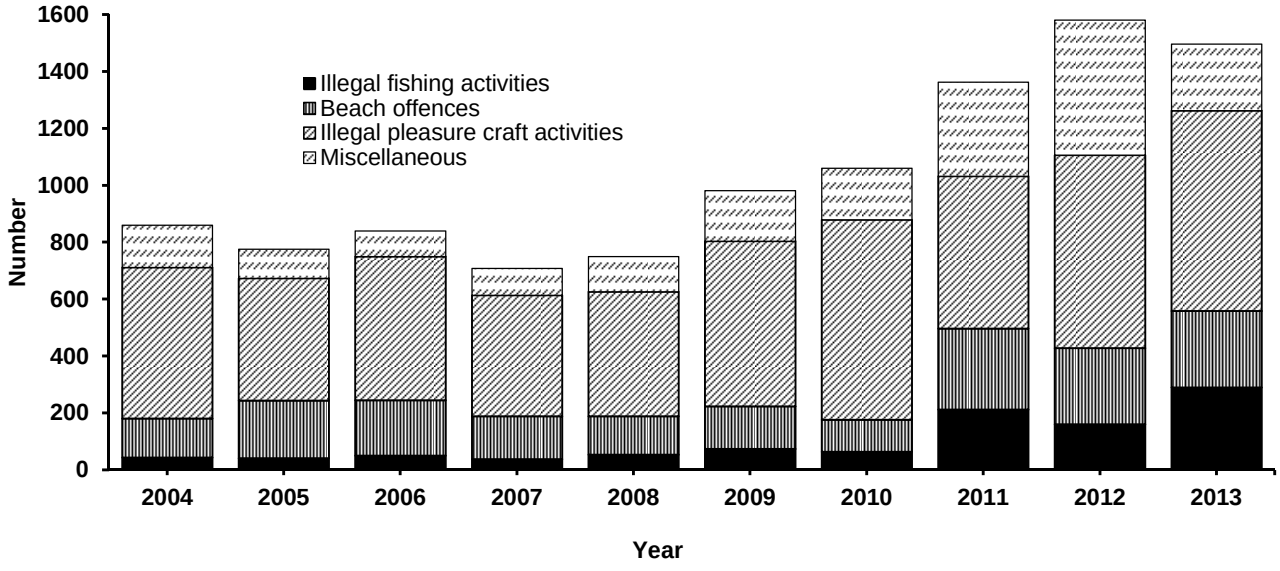


Table 4.23 - Mean sea surface temperature around the Island of Mauritius, 2004 - 2013

Degrees celcius

Year		January	February	March	April	May	June	July	August	September	October	November	December	Average for the year
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**
	Difference from Normal	*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**
	Difference from Normal	*-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**
	Difference from Normal	*-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**
	Difference from Normal	*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**
	Difference from Normal	*-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**
	Difference from Normal	*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**
	Difference from Normal	*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**
	Difference from Normal	*0.8*	*0.5*	*0.8*	*1.0*	*0.9*	*1.1*	*0.0*	*0.6*	*0.5*	*0.7*	*1.5*	*0.8*	
2012	Mean	*28.5*	*29.1*	*28.1*	*28.7*	*26.6*	*25.4*	*24.5*	*23.9*	*23.7*	*24.4*	*25.3*	*26.7*	**26.2**
	Difference from Normal	*1.1*	*1.4*	*0.3*	*1.6*	*0.5*	*0.4*	*0.5*	*0.4*	*0.2*	*0.3*	*0.1*	*0.1*	
2013	Mean	*27.7*	*28.2*	*27.9*	*27.2*	*26.1*	*24.5*	*23.9*	*23.9*	*23.5*	*24.3*	*26.1*	*27.6*	***25.9***
	Difference from Normal	*0.3*	*0.5*	*0.1*	*0.1*	*0.0*	*-0.5*	*-0.1*	*0.4*	*0.0*	*0.2*	*0.9*	*1.0*	
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	10.0	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

Land use	1995		2005 [1]		Change	
	Hectares	%	Hectares	%	Hectares	%
Sugar cane plantations	76,840	41.2	72,000	38.6	-4,840	-6.3
Tea plantations	3,660	2.0	674	0.4	-2,986	-81.6
Other agricultural activities	6,000	3.2	8,000	4.3	2,000	33.3
Total agricultural land	**86,500**	**46.4**	**80,674**	**43.3**	**-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 : SIFB - Sugar cane Plantation,Tea Board - Tea Plantation, Climate Change Activities Report, May 2006 - other

[1] Estimates

Figure 16 - Land use by category, 2005

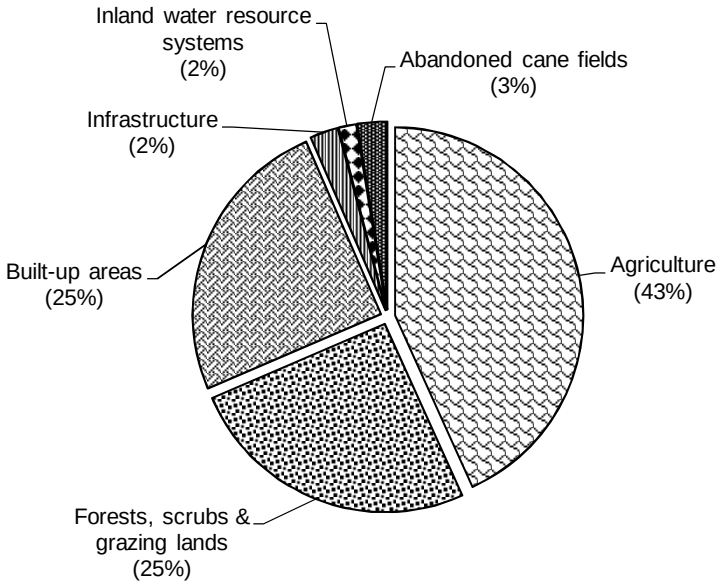


Table 5.2 - Area harvested under cultivation of sugarcane, tea, tobacco and foodcrops, 2004 - 2013

Hectares

Crops	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Sugarcane	69,698	68,351	66,732	64,260	62,024	60,380	58,709	56,668	54,140	53,871
Tea	674	670	688	709	701	713	698	651	669	672
Tobacco	367	267	263	258	260	255	210	222	173	2
Foodcrops	7,553	6,901	7,207	6,740	6,266	7,083	7,570	7,483	8,124	8,189

Figure 17 - Area harvested under cultivation of sugarcane, tea, tobacco and foodcrops, 2004 – 2013

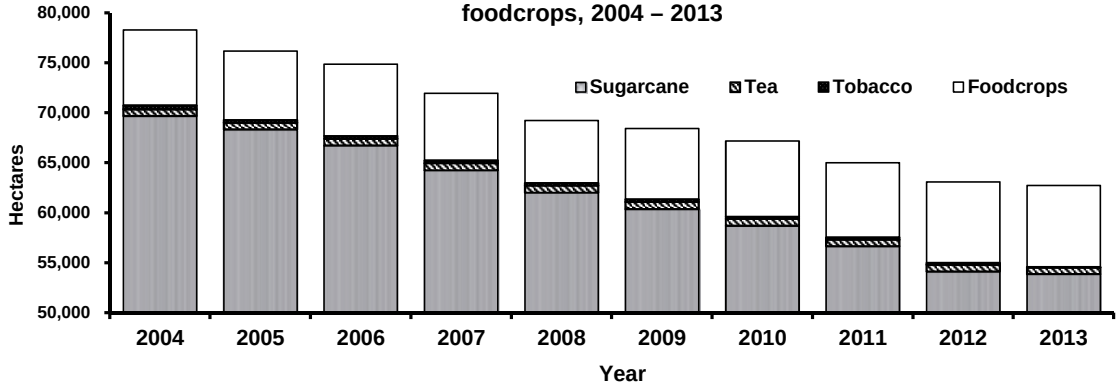


Table 5.3 - Road network, 2004 - 2013

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			
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
2012	86	1,068	595	400	2,149	98	1.15	196
2013	99	1,131	595	400	2,225	98	1.19	199

[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, 2004 - 2013

Year	Severity of accident				
	Fatal	Serious	Slight	No injury	Total
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	407	1,865	19,983	22,387
2012 [1]	144	455	1,991	18,466	21,056
2013 [2]	119	389	2,070	20,985	23,563

[1] Revised [2] Provisional

Table 5.5 - Imports of fertilisers and pesticides (Agricultural Inputs), 2004 - 2013

Tonnes

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 [2]
Fertilizers	48,749	61,605	55,313	45,336	46,677	57,169	46,282	54,356	52,739	45,924
Pesticides [1]	2,064	2,102	2,368	1,949	2,254	2,290	2,337	2,223	2,029	2,185
Insecticides	*642*	*707*	*1,288*	*648*	*645*	*837*	*948*	*904*	*843*	*941*
Fungicides	*210*	*242*	*188*	*212*	*210*	*207*	*229*	*257*	*196*	*197*
Weedkillers	*1,220*	*1,192*	*911*	*1,105*	*1,394*	*1,280*	*1,206*	*1,111*	*1,047*	*1,095*

[1] Revised (Figures for pesticides from 2004-2012)
[2] Provisional

Figure 18 - Imports of fertilisers and pesticides (Agricultural Inputs), 2004 - 2013

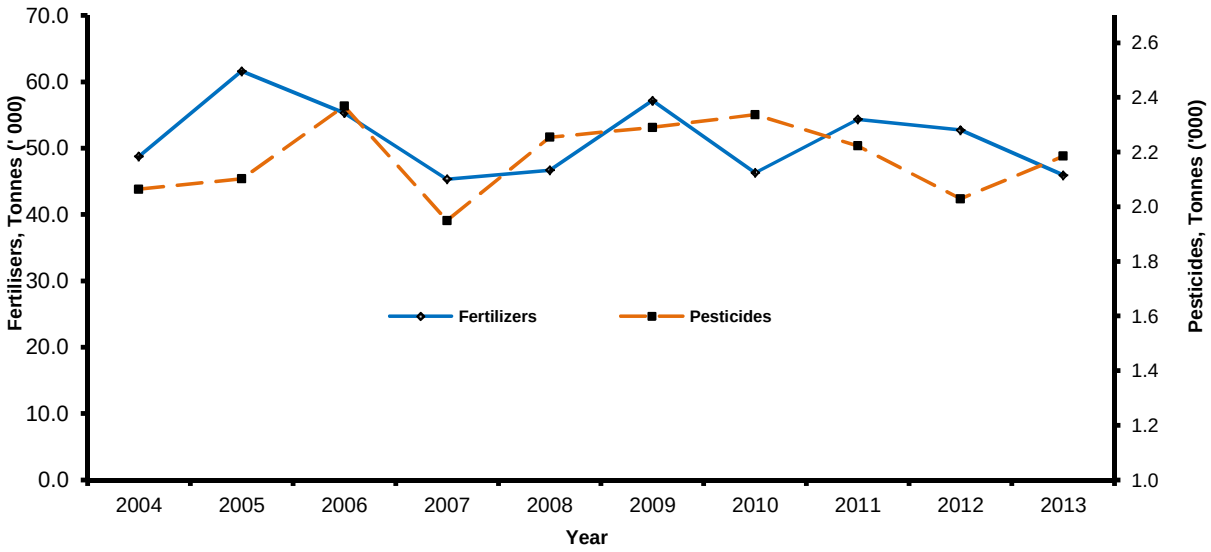


Table 5.6 - Imports and value (c.i.f) of fertilisers and pesticides (Agricultural inputs), 2004 - 2013

Year	Fertilisers		Pesticides [1]	
	Quantity (tonnes)	Value CIF (Rs mn)	Quantity (tonnes)	Value CIF (Rs mn)
2004	48,749	309.9	2,064	289.6
2005	61,605	536.5	2,102	312.6
2006	55,314	471.2	2,368	397.7
2007	45,336	476.2	1,949	325.4
2008	46,677	935.2	2,254	410.1
2009	57,169	832.2	2,290	388.6
2010	46,282	585.7	2,337	390.4
2011	54,356	816.2	2,223	374.9
2012	52,739	834.9	2,029	363.3
2013 [2]	45,924	596.4	2,185	370.0

[1] *Revised (Quantity and C.I.F Values of pesticides from 2004-2012)*

[2] *Provisional*

Table 5.7 - Land under irrigation, 2004 - 2013

Hectares

Year	Overhead	Surface	Drip	Total
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
2012	16,611	1,141	1,707	19,459
2013	16,619	867	1,684	19,170
(By region) 2013				
North	5,773	295	1,158	7,226
East	2,994	-	216	3,210
Centre	247	-	-	247
West	3,535	572	11	4,118
South	4,070	-	299	4,369

Table 5.8 - Number of permits [1] and floor area by region, 2009 - 2013

Region	2009		2010		2011		2012		2013	
	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	**2,546**	**634,853**	**2,491**	**436,682**	**2,323**	**395,458**	**2,646**	**470,518**	**2,883**	**543,702**
Port Louis	596	128,193	499	94,586	431	68,087	601	92,617	634	108,020
Beau Bassin - Rose Hill	489	87,592	300	40,447	313	43,748	557	117,184	610	109,183
Curepipe	347	55,040	312	64,964	321	48,737	468	81,428	493	112,961
Quatre Bornes	392	247,363	422	90,252	405	109,880	474	100,753	515	115,637
Vacoas - Phoenix	722	116,665	958	146,433	853	125,006	546	78,536	631	97,901
Rural areas	**4,881**	**1,060,091**	**4,862**	**985,335**	**3,937**	**823,281**	**3,910**	**717,601**	**4,755**	**779,647**
Pamplemousses	687	128,579	731	137,568	398	66,394	495	114,443	734	115,166
Riviere du Rempart	906	186,620	777	164,676	337	79,673	465	80,080	728	130,119
Flacq	687	96,721	692	108,715	839	158,059	782	113,266	748	112,735
Grand Port	634	144,078	685	100,274	461	118,120	601	94,198	609	88,220
Savanne	617	85,565	580	77,846	528	73,312	481	65,562	633	92,555
Plaines Wilhems	34	4,333	46	6,002	578	78,136	60	8,960	36	4,403
Moka	406	71,522	367	70,395	30	4,771	424	77,462	666	114,972
Black River	910	342,673	984	319,859	766	244,816	602	163,630	601	121,477
Total	**7,427**	**1,694,944**	**7,353**	**1,422,017**	**6,260**	**1,218,739**	**6,556**	**1,188,119**	**7,638**	**1,323,349**

[1] Includes new buildings and additions for which permits have been issued by Municipalities and District Councils

Table 5.9 - Number of permits [1] and floor area by type of building, 2009 - 2013

Type of building	2009		2010		2011		2012		2013	
	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	**6,896**	**1,158,832**	**6,871**	**1,189,726**	**5,853**	**903,487**	**6,081**	**1,037,866**	**6,986**	**1,134,494**
New buildings	3,888	834,622	4,047	882,368	3,413	630,042	3,929	791,689	4,535	865,762
Additions	3,008	324,210	2,824	307,358	2,440	273,445	2,152	246,177	2,451	268,732
Non residential	**531**	**536,112**	**482**	**232,291**	**407**	**315,252**	**475**	**150,253**	**652**	**188,855**
Agriculture, forestry, hunting and fishing	17	2,304	34	23,473	24	16,302	3	1,771	25	8,514
Manufacturing	36	28,084	22	8,508	34	48,980	7	2,899	61	21,374
Electricity and water	1	1,122	-	-	-	-	-	-	-	-
Construction	-	-	-	-	2	4,305	-	-	1	2,714
Wholesale and retail trade, restaurant and hotels	333	336,286	306	119,194	248	134,994	339	93,031	318	82,079
Transport, storage & communication	43	76,464	24	8,746	21	21,578	16	6,736	27	11,890
Banking, insurance and real estate	34	67,745	46	53,804	30	63,936	25	5,692	1	252
Community, social & personal services	67	24,107	50	18,566	48	25,157	85	40,124	219	62,032
Total	**7,427**	**1,694,944**	**7,353**	**1,422,017**	**6,260**	**1,218,739**	**6,556**	**1,188,119**	**7,638**	**1,323,349**

[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, 2004 - 2013

Tonnes

Waste type	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 [1]
Domestic	365,528	363,776	387,751	358,781	373,860	389,999	402,816	389,743	365,867	408,858
Construction	6,097	3,755	1,109	502	2,065	671	2,394	5,306	5,601	6,141
Industrial (excl. textile)	928	537	499	886	796	1,170	1,140	1,565	680	325
Textile	2,169	1,803	2,120	1,271	1,002	300	432	130	233	89
Tuna/Sludge	189	5,913	8,056	13,077	12,148	9,126	10,949	10,402	7,370	6,963
Poultry	3,962	3,930	3,752	3,387	6,867	7,209	6,339	5,942	6,061	5,316
Rubber tyres	423	394	465	223	347	365	481	447	372	315
Asbestos	36	85	14	260	32	26	44	15	6	50
Condemned goods	1,770	2,114	3,265	2,036	2,361	1,164	1,388	848	1,573	1,588
Difficult and hazardous	12	40	8	4	5	…	42	13	7	17
Paper waste	…	...	...	...	...	...	6	67	7	30
Others	…	…	…	6,648	5	5,918	1,771	65	149	243
TOTAL	**381,114**	**382,347**	**407,039**	**387,075**	**399,488**	**415,948**	**427,802**	**414,543**	**387,926**	**429,935**

Source: Ministry of Local Government and Outer Islands.
[1] Provisional

Daily per capita solid waste landfilled (kg)	0.88	0.88	0.93	0.88	0.91	0.94	0.97	0.94	0.87	0.97
Daily per capita domestic solid waste lanfilled (kg)	0.85	0.84	0.89	0.82	0.85	0.88	0.91	0.88	0.83	0.92

Table 5.11 - Number of Environmental Impact Assessment (EIA) licences granted by type of project, 2004 - 2013

Project	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Land parcelling (morcellement)	21	19	9	1	12	2	5	4	7	7
Industrial development	1	5	4	19	-	7	5	2	1	6
Coastal hotels and related works	15	10	20	-	8	7	12	10	10	6
Housing	34	7	13	-	-	1	1	2	2	-
Stone crushing plants	2	3	1	-	-	-	3	3	-	3
Development in port area	-	1	1	-	-	-	1	4	4	2
Other	12	10	7	8	24	6	17	5	2	3
Total	**85**	**55**	**55**	**28**	**44**	**23**	**44**	**30**	**26**	**27**

Source : Ministry of Environment and Sustainable Development.

Table 5.12 - Number of Preliminary Environmental Report (PER) approvals granted by type of project, 2004 - 2013

Project	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Land parcelling (morcellement)	19	16	8	5	-	-	-	-	3	1
Poultry rearing	30	22	15	19	10	9	3	9	7	4
Industrial development	30	8	17	28	16	6	5	7	12	4
Coastal hotels and related works	-	4	1	23	-	-	-	-	1	-
Livestock rearing	3	3	6	9	-	-	4	2	4	-
Housing	15	10	14	4	-	-		1	1	-
Other	22	25	30	17	14	16	7	5	6	4
Total	**119**	**88**	**91**	**105**	**40**	**31**	**19**	**24**	**34**	**13**

Source : Ministry of Environment and Sustainable Development.

Table 5.13 - Number of establishments[1] by industrial group, Republic of Mauritius, 2011 - 2013

Industrial group	March 2011 [2]	March 2012 [2]	March 2013 [3]
Agriculture, forestry and fishing	183	177	154
Mining and quarrying	27	25	24
Manufacturing	656	639	620
Electricity, gas, steam and air conditioning supply	7	7	7
Water supply, sewerage, waste management and remediation activities	11	14	13
Construction	100	116	113
Wholesale and retail trade, repair of motor vehicles and motorcycles	453	449	435
Transport and storage	84	85	87
Accommodation and food service activities	171	173	180
Information and communication	93	98	97
Financial and insurance activities	98	94	89
Real estate activities	19	23	26
Professional, scietific and technical activities	148	160	158
Administrative and support service activities	101	104	106
Public administration and defence; compulsory social security	48	49	53
Education	181	187	184
Human health and social work activities	53	53	53
Arts, entertainment and recreation	67	69	65
Other service activities	31	33	32
Total	**2,531**	**2,555**	**2,496**

[1] Only large establishments have been considered, i.e those engaging 10 or more persons. Exclude Government ministries/departments

[2] Revised

[3] Provisional

Table 5.14 - List of Proclaimed Public Beaches by districts, 2013

Name	Extent (ha)	Sea Frontage (m) (Approx)
PAMPLEMOUSSES		
Le Goulet	3.5	470
Ville Valio	1.3	65
Pointe aux Piments (Pointe Oberoi)	1.4	146
Pointe aux Piments (Between Le Meridien & Victoria)	1.1	122
Pointe aux Piments (Near 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 Cimetiere)	4.0	740
Pointe aux Piments (Pointe aux Biches)	0.5	447
Trou aux Biches (Opp. Ex-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	16.7	1377
The Vale	0.3	63
Total	**38.0**	
RIVIERE DU REMPART		
Grand Baie (Near National Coast Guard)	0.1	96
Grand Baie	1.2	346
La Cuvette	1.8	310
Pereybere	1.8	108
Bain Boeuf	2.2	727
Cap Malheureux	0.2	39
P.G. Union Ribet	17.5	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	0.7	220
Grand Gaube	0.3	62
P.G. Merville (Part of)	2.1	330
P.G. Merville (Part of)	2.1	525
Islet Matapan & Pt. of P.G. Melville	5.0	1050
Poudre d'Or	4.2	848
Volke Molke	0.7	167
Total	**50.1**	
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
Choisy (Part of P.G)	1.7	200
Mare aux Lubines	1.5	140
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(NearSurcouf Hotel)	0.6	230
Palmar(Main Beach)	18.5	1400
Quatres Cocos Village(Caro Bringel)	0.3	100
Trou d'Eau Douce(Near Le Tropical Hotel)	0.9	360
Trou d'Eau Douce(Near Four a Chaux)	3.2	750
Grand river South East	0.5	110
Total	**70.8**	

Source: Beach Authority

Table 5.14 (Con't) - List of Proclaimed Public Beaches by districts, 2013

Name	Extent (ha)	Sea Frontage (m) (Approx)
GRAND PORT		
Grand Sable	0.1	66
Pointe du Diable	0.2	71
Bois des Amourettes	1.0	275
Old Grand Port	0.2	59
Riviere des Creoles	0.4	257
Mahebourg Village	0.2	107
Remy Ollier Square	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
Petit Sable	0.8	349
Petit Sable(Toilet Block & Parking Space)	0.4	No sea fontage
Bambous Virieux (Portion 1)	0.1	87
Bambous Virieux (Portion 2)	0.2	110
Bambous Virieux (Portion 3)	0.2	75
Grand Sable	0.1	15
Providence	0.2	131
P.G.Vieux Grand Port	0.1	76
P.G.Virginia	2.5	314
Total	**31.4**	
SAVANNE		
Terracine	6.1	1048
Gris Gris	3.8	220
Telfair	1.4	285
Near Souillac Cemetery	1.3	885
Surinam	0.3	100
Saint Felix	0.6	391
Saint Felix	6.6	819
Riviere des Galets	11.6	1530
Bel Ombre	6.5	579
P.G.Bel Ombre	0.1	73
Ruisseau des Creoles	0.9	667
Total	**39.4**	
BLACK RIVER		
La Prairie (Exclusive of B/R-S Coast Rd)	2.2	300
P.G L'Embrazure	4.7	1930
Le Morne Brabant(Pointe Sud Ouest)	10.9	1000
P.G Le Morne(Near Berjaya Hotel)	0.4	40
P.G Le Morne	5.3	500
P.G. Comptesse La Marque	13.1	1395
La Preneuse	0.5	83
La Preneuse	0.1	
Tamarin	2.2	410
Wolmar	1.3	50
Flic en Flac / Wolmar(Near Pearle Beach Hotel)	12.7	1795
Flic en Flac(opposite Manisha Hotel)	2.1	545
Flic en Flac(opposite Restaurent Ocean)	2.1	512
P.G Anna	0.4	105
P.G Albion	1.8	205
P.G. Mon Plaisir	2.1	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
P.G.Petite Case Noyale	0.2	36
P.G.Petite Case Noyale	1.0	462
P.G. LaPrairie	31.6	451
P.G. LaPrairie	63.5	510
P.G. Les Salines Koenig	20.9	141
P.G. Petite Case Noyale	0.2	282
Total	**181.2**	
PORT LOUIS		
G.R.N.W(Sable Noire)	1.1	337

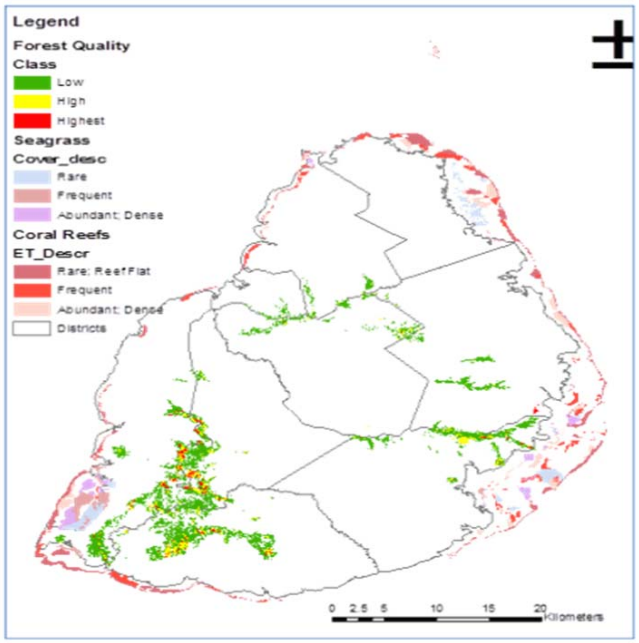
Source: Beach Authority

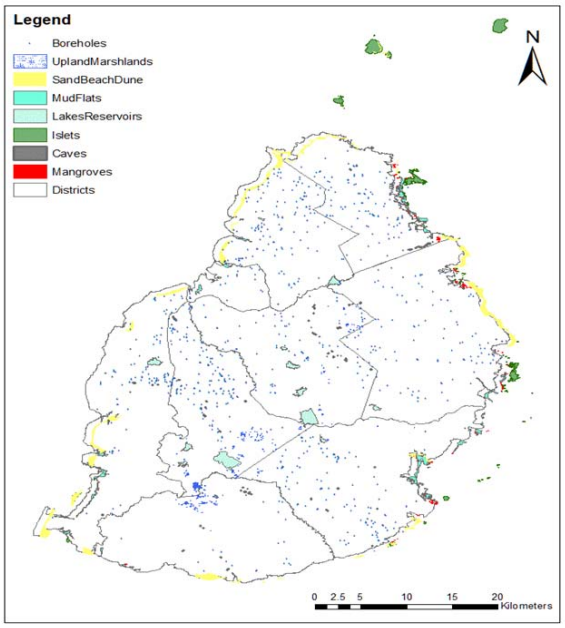
Table 5.15 - Areal estimates for the various Environmentally Sensitive Areas (ESA) by type and sub- category, Republic of Mauritius, 2009

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 3)	*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*	…..

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

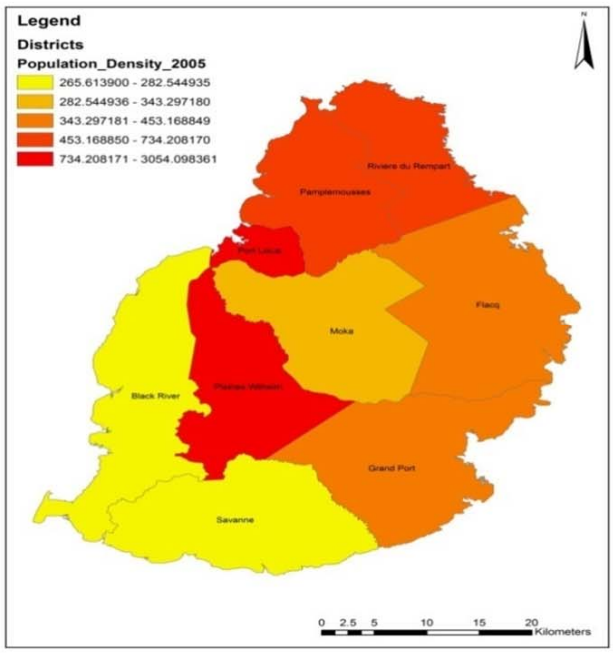
Figure 19 - Map of Areal estimates for the various Environmentally Sensitive Areas by type and sub category, 2009

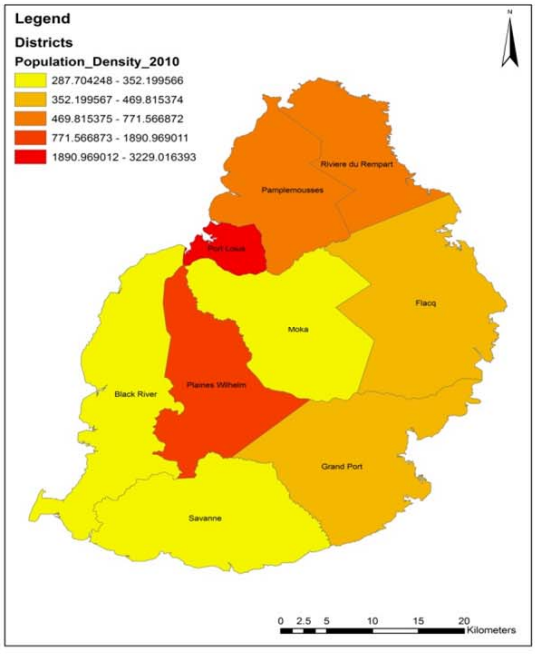




Source: Environmentally Sensitive Areas and Classification Report, Ministry of Environment and Sustainable Development, Republic of Mauritius, 2009

Figure 20 - Population Density by district, 2005 - 2010





CHAPTER 6

HUMAN SETTLEMENTS

Table 6.1 - Evolution of the population by urban[1] / rural residence and sex between the 2000 and 2011 Population Censuses

Urban\Rural Residence	2000 census[2]			2011 census			Intercensal change	
	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**	***0.42***
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	0.49
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***	***0.78***

[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 6.2 - Evolution of the population by geographical district and sex between the 2000 and 2011 Population Censuses

Geographical district	2000 Census [1]			2011 Census [1]			Intercensal change	
	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	0.99
Riviere du Rempart	98,854	49,116	49,738	106,267	52,672	53,595	7,413	0.66
Flacq	126,839	63,549	63,290	135,406	67,156	68,250	8,567	0.60
Grand Port	106,665	53,011	53,654	110,907	55,066	55,841	4,242	0.36
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	82,302	40,910	41,392	6,823	0.79
Black River	60,587	30,475	30,112	76,604	38,539	38,065	16,017	2.16
Island of Mauritius	**1,143,069**	**566,056**	**577,013**	**1,196,383**	**590,944**	**605,439**	**53,314**	**0.42**

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

Table 6.3 - Age distribution of the population[1] as enumerated at the 2000 and 2011 Population Censuses

Age group (Years)	2000				2011			
	Male	Female	Both sexes	%	Male	Female	Both sexes	%
0	9,163	8,965	18,128	1.6	5,827	5,853	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	7.6
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	100,036	8.3
35 - 39	50,503	49,151	99,654	8.7	42,879	42,158	85,037	7.2
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 6.4 - Population growth in intercensal periods, Republic of Mauritius [1] 1851 - 2011

Census date	Republic of Mauritius			Island of Mauritius			Island of Rodrigues		
	Population enumerated at census	Density per km^2	Average annual rate of increase (%)	Population enumerated at census	Density per km^2	Average annual rate of increase (%)	Population enumerated at census	Density per km^2	Average annual rate of increase (%)
20th November 1851	181,318	92	….	180,823	97	2.55	495	5	….
8th April 1861	310,743	158	5.91	310,050	166	5.91	693	7	3.65
11th April 1871	317,150	161	0.20	316,042	169	0.19	1,108	11	4.80
4th April 1881	361,305	184	1.31	359,874	193	1.31	1,431	14	2.59
6th March 1891	372,656	189	0.31	370,588	199	0.29	2,068	20	3.75
1st April 1901	374,185	190	0.04	371,023	199	0.01	3,162	30	4.34
31st March 1911	373,620	190	-0.02	368,791	198	-0.06	4,829	46	4.33
21st May 1921	383,069	195	0.25	376,485	202	0.21	6,584	63	3.15
26th April 1931	401,440	204	0.47	393,238	211	0.44	8,202	79	2.22
11th June 1944	431,070	219	0.55	419,185	225	0.49	11,885	114	2.89
30th June 1952	514,748	261	2.24	501,415	269	2.26	13,333	128	1.45
30th June 1962[2]	699,954	356	3.12	681,619	366	3.12	18,335	176	3.24
30th June 1972[2]	850,968	432	1.97	826,199	443	1.94	24,769	238	3.05
2nd July 1983[2]	999,945	508	1.48	966,863	518	1.44	33,082	318	2.67
1st July 1990[3]	1,056,660	537	0.79	1,022,456	548	0.80	34,204	329	0.48
2nd July 2000[3]	1,178,848	599	1.10	1,143,069	613	1.12	35,779	344	0.45
3rd July 2011 [3]	1,236,817	628	0.44	1,196,383	642	0.42	40,434	388	1.12

[1] excluding Agalega and St Brandon

[2] "de facto" population

[3] "de jure" population

Table 6.5 - Growth of the resident population [1] and vital statistics - Republic of Mauritius [2], 2011 - 2013

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	
2011	1,251,402	14,701	9,170	5,531	-3068	2,463	0.44	-0.25	0.19	1,253,865
2012	1,253,865	14,494	9,343	5,151	-1800	3,351	0.41	-0.14	0.27	1,257,216
2013	1,257,216	13,688	9,440	4,248	-1900	2,348	0.34	-0.15	0.19	1,259,564

[1] Revised in light of revised population figures (further to rebasing of population estimates with 2011 Population Census figures)
[2] Excl. Saint Brandon and Agalega

Table 6.6 - Life Expectancy at birth [1], Republic of Mauritius 2004 - 2013

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 [2]
Male	69.0	69.1	69.3	69.5	69.7	69.8	70.1	70.4	70.7	70.8
Female	75.8	75.9	76.2	76.5	76.9	77.0	77.4	77.5	77.7	77.8

[1] *Revised in light of revised population figures (further to rebasing of population estimates with 2011 Population Census figures)*
[2] *Provisional*

Table 6.7 - Infant mortality [1] rate by geographical district, 2004 - 2013

Geographical district	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Port Louis	17.9	18.8	13.9	20.2	16.7	11.6	16.7	10.3	13.1	14.8
Pamplemousses	16.4	16.6	21.3	11.6	15.7	13.7	8.5	16.3	20.3	12.9
Riviere du Rempart	17.8	12.7	15.2	17.1	11.7	12.7	13.7	9.5	12.2	16.5
Flacq	12.5	11.1	11.2	20.5	14.5	11.6	10.2	12.7	12.8	8.3
Grand Port	17.0	13.2	15.7	11.2	13.2	15.1	11.7	10.7	19.2	14.4
Savanne	17.6	13.8	7.2	11.4	16.7	14.9	15.1	17.5	8.2	12.8
Plaines Wilhems	9.8	10.7	11.0	16.4	13.7	13.8	13.0	11.9	10.7	11.7
Moka	14.9	17.7	12.7	13.9	10.5	16.1	13.2	11.3	10.0	8.7
Black River	8.5	8.1	13.7	7.5	16.0	11.8	10.2	16.8	13.3	10.5
Island of Mauritius	**14.0**	**13.2**	**13.5**	**15.3**	**14.3**	**13.3**	**12.4**	**12.6**	**13.4**	**12.2**

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

Table 6.8 - Number of buildings by type, Republic of Mauritius, 2000 and 2011 Housing Censuses

Building Type	Housing Census		%	
	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 and 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 6.9 - 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 6.10 - Residential and partly residential buildings [1] 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			
	Number	%	Number	%	Number	%
Concrete walls and roof	206,210	86.3	255,746	92.0	49,536	24.0
Concrete walls and iron/tin roof	9,416	4.0	7,440	2.7	-1,976	-21.0
Iron/tin walls and roof	19,345	8.1	12,608	4.5	-6,737	-34.8
Wood walls and iron/tin/shingle roof	2,198	0.9	1,025	0.4	-1,173	-53.4
Other	1,759	0.7	1,194	0.4	-565	-32.1
Total	**238,928**	**100.0**	**278,013**	**100.0**	**39,085**	**16.4**

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

Table 6.11 - 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**
Total vacant housing units	**15,513**	**5.2**	**27,985**	**7.8**
For rent	*6,103*	*2.1*	*7,467*	*2.1*
For sale	*2,560*	*0.9*	*1,460*	*0.4*
Provided by employer	*637*	*0.2*	*438*	*0.1*
Under repairs	*1,124*	*0.4*	*1,732*	*0.5*
Not stated	*5,089*	*1.7*	*16,888*	*4.7*
Total	**297,671**	**100.0**	**359,015**	**100.0**

Table 6.12 - Main energy indicators, 2004 - 2013

Indicators	Unit	2004	2005	2006	2007	2008	2009	2010	2011	2012 [1]	2013 [2]
Mid-year population [3]	thousand	1,233	1,243	1,253	1,260	1,269	1,247	1,250	1,252	1,256	1,259
GDP in 2000 rupees	Rs.Million	141,935	143,996	150,496	159,338	168,101	173,198	180,299	187,331	193,325	199,512
GDP index (2000 = 100)		116.0	117.6	122.9	130.2	137.3	141.5	147.3	153.0	157.9	163.0
Total primary energy requirement	ktoe	1,255.8	1,293.2	1,376.8	1,381.8	1,404.4	1,346.9	1,430.7	1,426.9	1,427.6	1,454.8
Of which local (renewables)	*%*	*22.0*	*20.3*	*18.5*	*17.8*	*18.8*	*17.5*	*16.9*	*16.2*	*15.6*	*15.1*
Annual increase	%	+2.7	+3.0	+6.5	+0.4	+1.6	-4.1	+6.2	-0.3	+0.1	+1.9
Total primary energy requirement index (Base 2000 = 100) [1]		112.8	116.2	123.7	124.2	126.2	121.0	128.5	128.2	128.3	130.7
Total final energy consumption	ktoe	838.1	846.1	876.3	857.5	841.6	808.6	854.0	862.0	854.4	870.6
Of which local (renewables)	%	10.7	9.9	9.3	8.4	5.4	5.4	5.8	5.4	4.8	4.5
Total electricity generated	GWh	2,165	2,272	2,350	2,465	2,557	2,577	2,689	2,739	2,797	2,885
of which from : local (renewables)	*GWh*	*592.3*	*568.2*	*522.8*	*552.2*	*594.8*	*608.9*	*577.3*	*551.9*	*566.8*	*594.0*
: petroleum poducts and coal	*GWh*	*1,572.9*	*1,703.9*	*1,827.4*	*1,912.4*	*1,962.4*	*1,968.5*	*2,111.4*	*2,187.1*	*2,230.2*	*2,291.0*
Total electricity sold	GWh	1,704	1,777	1,880	1,975	2,054	2,069	2,174	2,228	2,294	2,384
Average sales price of electricity	Rs/kWh	3.14	3.25	3.60	3.79	4.90	5.15	5.22	5.69	5.71	5.67
Efficiency Indicators											
Import dependency	%	78.0	79.7	81.5	82.2	81.2	82.5	83.1	83.8	84.8	84.9
Energy intensity	toe per Rs.100,000 GDP at 2000 prices	0.88	0.90	0.91	0.87	0.84	0.78	0.79	0.76	0.74	0.73
Per capita primary energy requirement [3]	toe	1.02	1.04	1.10	1.10	1.11	1.08	1.14	1.14	1.14	1.16
Per capita final energy consumption [3]	toe	0.68	0.68	0.70	0.68	0.66	0.65	0.68	0.69	0.68	0.69
Per capita consumption of electricity sold - Republic of Mauritius [3]	kWh	1,382	1,430	1,501	1,567	1,619	1,659	1,739	1,779	1,827	1,894
Per capita consumption of electricity consumed [3]	kWh	1,571	1,632	1,708	1,783	1,852	1,877	1,963	1,997	2,041	2,113
Electricity consumption per household [3]	kWh	1,800	1,872	1,876	1,923	1,924	1,980	2,042	2,058	2,109	2,157

[1] Revised

[2] Provisional

[3] Revised in light of revised population figures (further to rebasing of population estimates with 2011 Population Census figures)

Table 6.13 - Primary energy requirement, (Energy unit), Republic of Mauritius, 2004 - 2013

Thousand tonne of oil equivalent (ktoe)

Energy source	2004	2005	2006	2007	2008	2009	2010	2011	2012 [1]	2013
Imported (Fossil Fuel)	**980.1**	**1030.6**	**1122.2**	**1136.1**	**1140.9**	**1110.6**	**1189.1**	**1195.7**	**1205.3**	**1235.3**
Coal	179.4	225.6	300.4	355.0	403.9	369.3	414.1	397.7	418.4	440.6
Petroleum product	**800.7**	**805.0**	**821.8**	**781.1**	**737.0**	**741.3**	**775.0**	**798.0**	**786.9**	**794.7**
Gasolene	97.6	100.1	96.2	106.9	109.5	120.6	127.7	130.0	136.6	142.7
Diesel oil	216.0	214.2	230.6	207.4	205.4	206.7	213.6	210.1	213.4	207.0
Dual purpose kerosene	168.8	171.7	152.7	146.0	140.9	117.2	131.3	138.7	118.8	121.6
Aviation fuel	*142.5*	*143.1*	*146.7*	*143.6*	*136.9*	*110.5*	123.3	134.4	115.0	120.7
Kerosene	*26.3*	*28.6*	*6.0*	*2.4*	*4.0*	*6.7*	*8.0*	*4.3*	*3.8*	*0.9*
Fuel oil	259.1	253.3	273.3	251.9	213.3	227.9	232.2	248.1	245.4	248.5
LPG	59.2	65.7	69.0	68.9	67.9	68.9	70.2	71.1	72.7	74.9
Local (Renewables)	**275.7**	**262.6**	**254.6**	**245.7**	**263.4**	**236.3**	**241.6**	**231.1**	**222.3**	**219.4**
Hydro	10.5	9.9	6.6	7.2	9.3	10.5	8.7	4.9	6.4	8.2
Wind	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3
Landfill Gas	-	-	-	-	-	-	-	0.3	1.5	1.7
Photovoltaic	-	-	-	-	-	-	-	-	0.1	0.2
Bagasse *	257.8	245.1	240.0	230.5	246.4	218.0	225.0	218.1	206.5	201.7
Fuel wood *	7.3	7.6	8.0	8.0	7.7	7.7	7.7	7.6	7.5	7.3
Total	**1255.8**	**1293.2**	**1376.8**	**1381.8**	**1404.4**	**1346.9**	**1430.7**	**1426.8**	**1427.6**	**1454.7**

[1] *Revised*
^ *estimates*

Table 6.14 - Imports of energy sources (Energy unit), Republic of Mauritius, 2004 - 2013

Thousand tonnes of oil equivalent (ktoe)

Energy source	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gasolene	94.7	93.7	96.0	104.1	117.2	112.8	130.6	126.0	138.4	149.3
Diesel oil	322.9	333.2	330.8	310.6	331.7	290.9	313.5	313.0	316.9	339.5
Dual purpose kerosene	267.1	257.9	251.7	277.0	278.8	217.2	251.2	240.0	228.8	253.7
Kerosene	*31.0*	*29.0*	*6.3*	*3.9*	*6.1*	*4.3*	*7.0*	*4.5*	*7.3*	*3.0*
Aviation fuel	*236.1*	*228.9*	*245.4*	*273.1*	*272.7*	*212.9*	*244.2*	*235.5*	*221.5*	*250.7*
Fuel oil	277.3	324.0	292.2	320.6	279.4	330.0	327.8	417.4	385.2	411.9
LPG	58.1	67.7	63.5	67.8	68.2	67.6	67.7	71.6	73.3	73.7
Coal	205.7	235.1	304.0	401.6	376.0	347.1	409.6	409.3	452.2	439.2
Total	**1225.8**	**1311.6**	**1338.2**	**1481.7**	**1451.3**	**1365.6**	**1500.4**	**1577.3**	**1594.8**	**1667.3**

Figure 21 - Imports of energy sources, Republic of Mauritius, 2004 - 2013

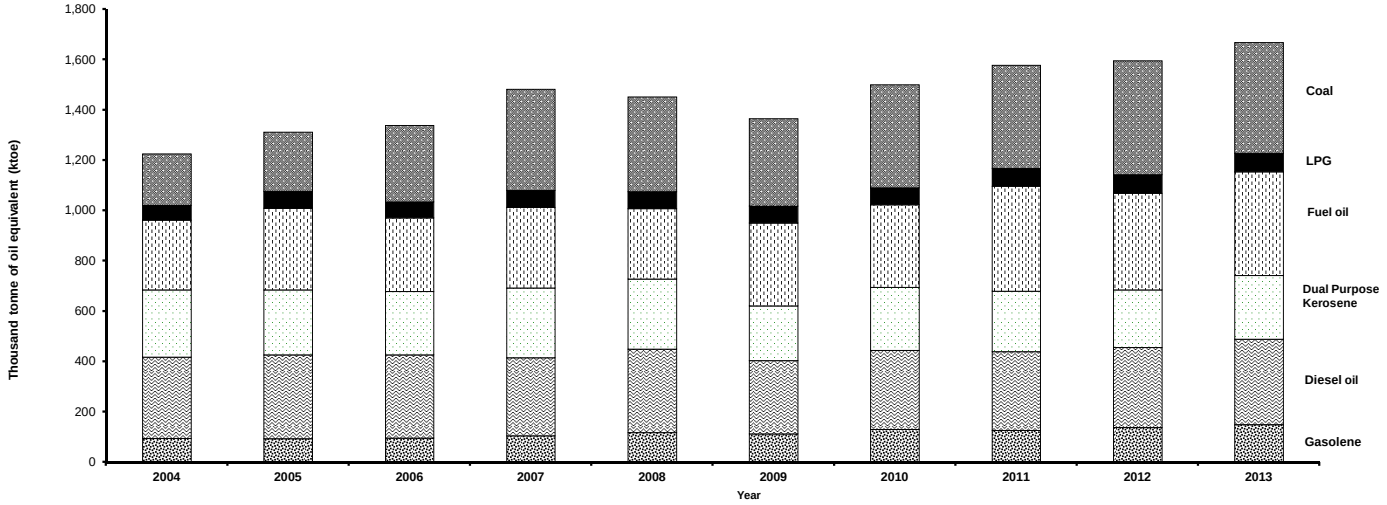


Table 6.15 - Plant capacity, Republic of Mauritius, 2004 - 2013

MW

Plant capacity	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Installed	**654.5**	**688.9**	**710.7**	**753.3**	**725.5**	**739.5**	**740.2**	**737.5**	**781.3**	**778.2**
Island of Mauritius	*644.5*	*678.9*	*700.7*	*743.3*	*715.5*	*729.0*	*729.1*	*726.4*	*767.6*	*764.6*
Island of Rodrigues	*10.0*	*10.0*	*10.0*	*10.0*	*10.0*	*10.5*	*11.1*	*11.1*	*13.7*	*13.6*
Effective	**558.9**	**587.3**	**618.8**	**669.3**	**626.7**	**656.9**	**665.3**	**669.3**	**695.5**	**700.0**
Island of Mauritius	*549.9*	*577.9*	*609.4*	*660.3*	*617.7*	*647.3*	*655.2*	*659.2*	*682.6*	*687.3*
Island of Rodrigues	*9.0*	*9.4*	*9.4*	*9.0*	*9.0*	*9.6*	*10.1*	*10.1*	*12.9*	*12.7*

[1] Includes plant capacity for electricity not exported to CEB

Source: Central Electricity Board and Annual Sugar Industry Energy Survey

[1] Estimates

Table 6.16 - Electricity generation by source of energy, Republic of Mauritius, 2004 - 2013

GWh

Source of energy	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Primary energy	**122.7**	**115.3**	**77.0**	**84.3**	**108.4**	**123.9**	**103.2**	**62.4**	**96.3**	**121.2**
Hydro (renewable energy)	122.3	114.9	76.6	83.9	108.0	122.4	100.7	56.5	74.1	94.8
Wind (renewable energy)	0.4	0.4	0.4	0.4	0.4	1.5	2.5	2.8	3.6	3.6
Landfill gas (renewable energy)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	17.8	20.0
Photovoltaic (renewable energy)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.7
Secondary energy	**2042.5**	**2156.8**	**2273.0**	**2380.4**	**2448.9**	**2453.6**	**2585.5**	**2676.2**	**2700.8**	**2764.1**
Gas turbine (kerosene)	44.3	56.2	5.7	3.2	6.6	15.3	18.9	11.6	11.0	1.7
Diesel & Fuel oil	1058.3	1038.0	1023.3	915.7	827.2	938.0	976.6	1058.7	1057.0	1076.1
Coal	470.3	609.7	798.3	993.6	1128.7	1015.3	1115.9	1119.4	1162.3	1213.6
Bagasse (renewable energy)	469.6	452.9	445.7	467.9	486.4	485.0	474.1	486.5	470.5	472.8
Total	**2165.2**	**2272.1**	**2350.0**	**2464.7**	**2557.3**	**2577.5**	**2688.7**	**2738.6**	**2797.1**	**2885.3**
of which: renewable energy	***592.3***	***568.2***	***522.7***	***552.2***	***594.8***	***608.9***	***577.3***	***548.9***	***566.8***	***594.0***

Table 6.17 - Fuel input for electricity production, (Energy unit), Republic of Mauritius, 2004 - 2013

Thousand tonne of oil equivalent (ktoe)

Fuel	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Island of Mauritius	**565.5**	**602.2**	**668.1**	**700.1**	**744.1**	**721.7**	**771.8**	**766.2**	**788.1**	**795.0**
Fuel oil	206.7	201.7	211.2	187.3	153.9	176.3	182.5	199.3	197.9	200.5
Diesel oil	2.4	1.9	2.3	2.7	1.7	2.6	1.9	1.4	1.8	1.3
Kerosene	17.2	18.4	1.9	1.1	2.2	5.1	6.3	3.8	3.6	0.7
Coal	164.4	211.2	286.9	342.6	378.0	356.0	398.7	382.7	402.5	423.6
Bagasse [1]	174.9	168.9	165.9	166.5	208.2	181.7	182.5	179.1	172.5	169.0
Island of Rodrigues	**6.2**	**6.9**	**6.6**	**6.6**	**7.1**	**6.9**	**6.6**	**6.8**	**6.7**	**7.1**
Fuel oil	4.6	6.6	6.3	6.5	6.9	6.7	6.5	6.7	6.6	7.0
Diesel oil	1.7	0.2	0.3	0.1	0.2	0.2	0.1	0.2	0.1	0.1
Total	**571.7**	**609.1**	**674.7**	**706.7**	**751.1**	**728.6**	**778.4**	**773.1**	**784.9**	**802.1**

[1] *Estimates*

Table 6.18 - Final energy consumption by sector and type of fuel (Physical unit), Republic of Mauritius, 2004 - 2013

Sector	Unit	2004	2005	2006	2007	2008	2009	2010	2011	2012 [2]	2013 [3]
Manufacturing											
Fuel oil	tonne	45,868	42,554	53,743	55,722	50,268	43,078	41,472	40,316	38,953	39,182
Diesel oil	tonne	43,372	41,127	49,767	48,336	46,301	45,882	46,543	43,094	41,310	35,443
LPG	tonne	2,756	3,904	3,965	4,068	4,920	5,007	5,122	5,238	5,463	5,353
Coal	tonne	24,220	23,162	21,666	19,964	41,672	21,572	24,786	24,200	25,619	27,507
Fuel wood [1]	tonne	1,415	1,400	1,425	1,425	1,425	1,426	1,426	1,425	1,410	1,385
Electricity	GWh	769	778	841	880	913	897	934	929	930	963
Bagasse [1]	tonne	518,379	476,198	463,563	400,646	239,276	226,759	265,988	244,288	213,123	204,565
Transport											
Land											
LPG	tonne	2,691	6,726	6,887	6,633	5,184	4,587	4,641	4,502	4,363	4,068
Gasolene	tonne	88,011	89,498	86,886	96,463	98,867	108,871	115,266	117,370	123,352	128,928
Diesel oil	tonne	162,971	165,344	172,504	150,717	151,840	152,631	159,471	159,904	164,650	164,802
Air											
Aviation fuel (local aircraft)	tonne	137,002	137,560	141,053	138,104	131,631	106,246	118,553	129,170	110,582	116,093
Sea											
Gasolene	tonne	2,339	3,175	2,231	2,477	2,539	2,796	2,960	3,014	3,105	3,170
Diesel oil	tonne	1,149	1,166	1,185	1,062	1,070	1,076	1,124	1,127	1,137	1,142
Fuel oil	tonne	3,989	4,209	4,355	4,845	4,371	3,746	3,537	3,575	3,674	3,525
Household											
Kerosene	tonne	8,726	9,765	3,923	1,238	1,772	1,476	1,731	515	243	202
LPG	tonne	42,856	43,206	41,599	42,088	42,394	43,237	44,059	44,640	45,329	46,360
Fuel wood [1]	tonne	15,940	16,540	17,473	17,497	16,726	16,619	16,597	16,336	16,003	15,466
Charcoal [1]	tonne	120	130	123	126	119	119	119	116	114	111
Electricity	GWh	575	608	618	643	652	680	711	725	753	781
Commercial and Distributive Trade											
LPG	tonne	6,372	6,985	11,436	10,927	10,094	10,575	10,925	11,260	11,918	13,285
Charcoal [1]	tonne	360	380	393	407	422	437	453	469	474	483
Electricity	GWh	516	556	582	618	673	704	748	793	819	853
Agriculture											
Diesel oil [1]	tonne	2,375	2,345	2,289	2,456	2,241	2,286	2,325	2,344	2,331	2,320
Electricity	GWh	24	27	29	28	26	21	24	23	25	25

[1] Estimates [2] Revised [3] Provisional

Table 6.19 - Final energy consumption by sector (Energy unit), Republic of Mauritius, 2004 - 2013

Thousand tonne of oil equivalent (ktoe)

Sector	2004	2005	2006	2007	2008	2009	2010	2011	2012 [1]	2013 [2]
Manufacturing	255.4	244.6	266.6	259.4	243.5	220.5	231.2	222.4	215.4	212.3
Transport	412.6	422.6	430.0	415.6	410.6	394.9	421.6	435.3	427.3	438.8
of which land transport	*262.6*	*270.9*	*275.5*	*263.6*	*265.7*	*276.7*	*290.6*	*293.1*	*304.2*	*310.1*
Household	111.0	115.4	108.9	108.8	110.2	113.1	116.9	117.4	120.1	123.4
Commercial and Distributive Trade	51.5	55.7	62.7	65.2	69.1	72.3	76.4	80.7	83.7	88.1
Agriculture	4.4	4.7	4.8	4.9	4.5	4.1	4.4	4.3	4.5	4.5
Other (n.e.s) and losses	3.2	3.0	3.3	3.6	3.8	3.7	3.6	3.0	3.4	3.5
TOTAL	**838.1**	**846.0**	**876.3**	**857.5**	**841.7**	**808.6**	**854.1**	**863.1**	**854.4**	**870.6**

[1] Revised [2] Provisional

Table 6.20 - Percentage share of final energy consumption by sector, Republic of Mauritius, 2004 - 2013

Sector	2004	2005	2006	2007	2008	2009	2010	2011	2012 [1]	2013 [2]
Manufacturing	30.5	28.9	30.4	30.3	28.9	27.3	27.1	25.8	25.2	24.4
Transport	49.2	50.0	49.1	48.5	48.8	48.8	49.4	50.4	50.0	50.4
Household	13.2	13.6	12.4	12.7	13.1	14.0	13.7	13.6	14.1	14.2
Commercial and Distributive trade	6.1	6.6	7.2	7.6	8.2	8.9	8.9	9.4	9.8	10.1
Agriculture	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5
Other (n.e.s) and losses	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.3	0.4	0.4
TOTAL	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

[1] Revised [2] Provisional

Figure 22 - Percentage share of final energy consumption by sector, Republic of Mauritius, 2004 - 2013

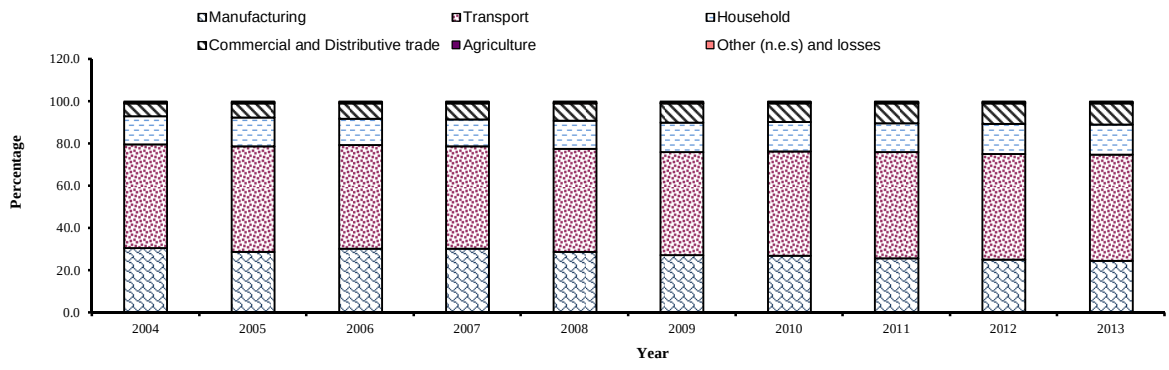


Table 6.21 - Vehicles [1] registered by type, 2004 - 2013

Number

Type of vehicle	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Car	77,342	84,818	91,911	99,770	109,507	117,890	127,363	136,225	147,733	160,701
(of which taxi car)	*6,482*	*6,798*	*6,860*	*6,885*	*6,941*	*6,921*	*6,924*	*6,907*	*6,905*	*6,915*
Dual purpose vehicle	40,667	42,026	43,221	44,635	46,021	47,146	48,271	49,132	50,116	49,730
Double cab pickup	-	-	-	-	-	-	-	-	-	1,155
Heavy motor car	1,020	1,045	1,118	1,223	1,290	1,275	1,249	1,230	1,244	1,250
Motor cycle	28,646	30,927	33,936	36,969	40,804	44,222	48,655	53,410	59,637	65,827
Auto cycle	100,854	102,503	104,238	105,637	107,184	108,713	110,674	112,296	113,871	114,958
Lorry and truck	11,774	12,047	12,272	12,536	12,726	12,950	13,186	13,539	13,902	14,061
Van	23,326	23,989	24,522	24,934	25,334	25,622	25,914	26,090	26,293	26,624
Bus	2,457	2,560	2,612	2,753	2,762	2,803	2,845	2,912	2,957	2,963
Tractor and dumper	2,935	2,982	3,001	3,025	3,045	3,102	3,119	3,173	3,202	3,226
Prime mover	388	412	436	452	505	558	596	650	689	715
Trailer	1,771	1,765	1,756	1,795	1,809	1,823	1,821	1,834	1,845	1,846
Road roller	99	96	96	96	96	97	98	99	101	102
Other	326	326	321	320	323	319	324	329	336	337
Total	**291,605**	**305,496**	**319,440**	**334,145**	**351,406**	**366,520**	**384,115**	**400,919**	**421,926**	**443,495**

[1] Excluding pedal cycles , but including government vehicles

Fig. 23 - Vehicles registered by type, 2004 - 2013

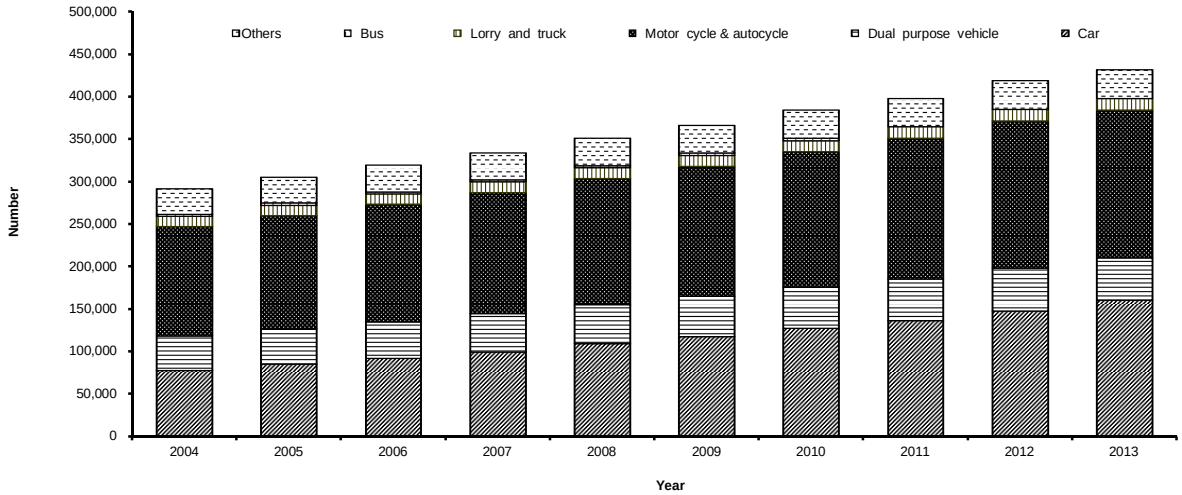


Table 6.22 - Road traffic accidents [1] and casualties, 2004 - 2013

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012 [2]	2013 [3]
1. Road traffic accidents:										
Number	19,495	22,554	20,242	20,519	20,873	19,542	21,243	22,387	21,056	23,563
Rate per 100,000 Population	1,629	1,869	1,665	1,678	1,696	1,579	1,709	1,794	1,733	1,936
Rate per 1,000 registered motor vehicles	69	76	65	63	61	54	57	57	51	55
2. Motor vehicles involved :										
Number	35,506	43,741	40,023	41,178	42,910	38,058	41,084	41,294	40,759	41,888
Rate per 1,000 registered motor vehicles	126	148	129	127	125	106	110	105	99	97
3. Casualties :										
Total number of casualties	2,951	2,760	2,522	3,055	3,435	3,661	3,640	3,422	3,653	3,610
Fatal	144	136	134	140	168	140	158	152	156	136
Seriously injured	245	358	348	500	512	516	569	487	549	465
Slightly injured	2,562	2,266	2,040	2,415	2,755	3,005	2,913	2,783	2,948	3,009
4. Fatality :										
Rate per 100,000 population	12	11	11	11	14	11	13	13	13	11
Rate per 1,000 registered motor vehicles	1	0	0	0	1	0	0	0	0	0
Fatality Index [4]	4.9	4.9	5.3	4.6	4.9	3.8	4.3	4.4	4.3	3.8

[1] Exclude number of accidents involving bicycles only or bicycle and pedestrian
[2] Revised [3] Provisional
[4] Fatality Index is the number of fatalities per 100 casualties

Figure 24 - Road traffic accidents and motor vehicles involved, 2004 - 2013

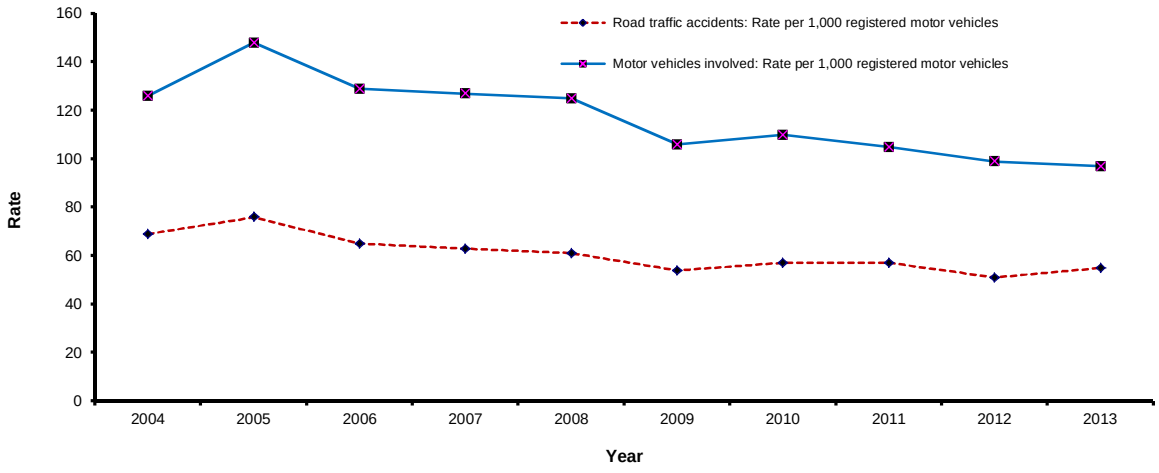


Table 6.23 - Imports of gasolene and diesel, 2004 - 2013

Fuel	Unit	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 [1]
Gasolene (Motor spirit)											
Quantity	000 Litres	87,706	117,905	118,077	125,919	141,913	135,755	157,301	151,337	167,363	180,842
Value	(CIF Rs ' 000)	1,030,619	1,452,772	1,877,319	2,180,054	2,690,298	2,022,369	3,084,361	3,431,101	4,113,372	4,424,210
Diesel (Gas oil)											
Quantity	000 Litres	319,732	394,056	393,603	369,513	397,859	346,171	372,700	374,864	381,622	407,783
Value	(CIF Rs ' 000)	3,101,533	4,833,411	6,351,020	6,442,993	8,908,957	4,852,942	6,945,099	8,685,719	9,545,424	10,213,648

[1] *Provisional*

Figure 25 - Imports of gasolene and diesel, 2004 - 2013

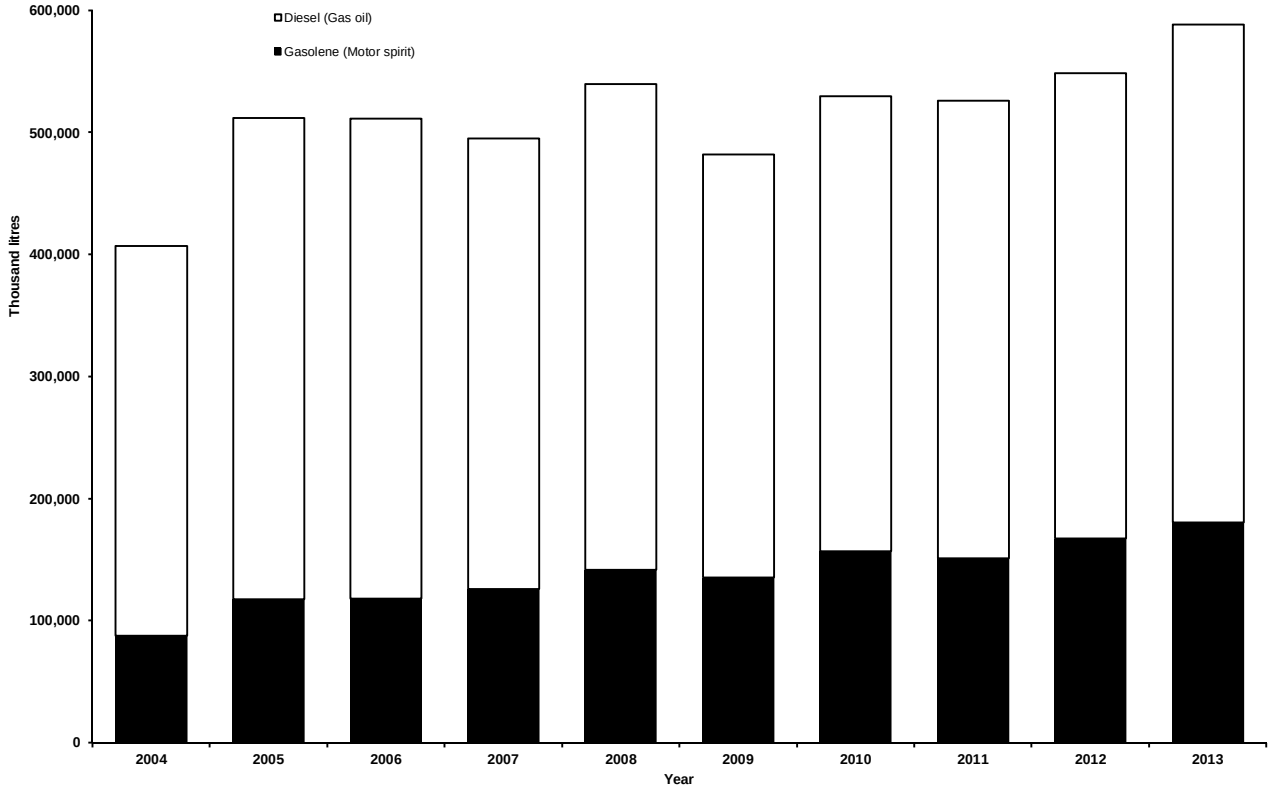


Table 6.24 - Imports of lubricating oils and greases by country of origin, 2009 - 2013

Item	Country of origin	2009		2010		2011		2012		2013[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	175	16,455	236	20,759	375	33,255	389	34,710	212	22,764
	Japan	7	1,370	38	4,980	27	4,336	29	6,864	35	7,322
	Singapore	1,607	80,334	2,196	145,292	1,941	160,638	2,413	152,084	1,923	123,562
	South Africa Rep.	3,050	160,482	3,329	209,610	2,586	194,984	2,058	137,654	1,701	118,839
	Thailand	643	29,303	732	30,062	16	923	2	255	2	309
	United Kingdom	43	4,233	52	7,750	83	15,236	41	8,883	38	6,319
	United States	57	14,577	13	2,220	11	1,675	8	1,161	10	1,944
	Other countries	1,452	78,327	1,493	85,746	1,480	87,427	2,381	174,697	3,405	234,923
Total		**7,034**	**385,081**	**8,089**	**506,419**	**6,519**	**498,474**	**7,321**	**516,308**	**7,326**	**515,982**
Lubricating greases containing not less than 70% by weight of petroleum products	France	2	636	2	655	3	872	8	1,583	17	2,278
	Singapore	2	459	-	25	-	48	-	3	-	-
	South Africa Rep.	64	4,451	57	6,823	137	14,807	102	11,159	76	7,606
	Thailand	11	835	-	-	-	62	-	8	-	10
	Other countries	18	2,754	60	5,714	47	4,778	105	10,370	41	5,781
Total		**97**	**9,135**	**119**	**13,217**	**187**	**20,567**	**215**	**23,123**	**134**	**15,675**

[1] Provisional

Table 6.25 - Air transport, 2004 - 2013

Year	Number of movements[1]		Freight	
	Landings	Take - offs	Unloaded (Tonnes)	Loaded (Tonnes)
2004	9,316	9,315	22,381	26,049
2005	9,705	9,820	23,920	25,185
2006	11,567	11,901	22,418	26,519
2007	9,734	9,534	23,484	28,300
2008	9,384	9,393	22,152	34,522
2009	9,824	9,383	20,400	21,925
2010	10,160	10,157	23,992	24,267
2011	10,121	10,097	21,707	23,414
2012	10,016	9,844	23,344	23,730
2013	9,001	8,959	17,351	19,915

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

Table 6.26 - Tourist [1] arrivals by mode of transport and tourist nights spent during period, 2004 - 2013

Period	Tourist arrivals during period			Tourist nights spent during period [2]	% change over previous year	
	Sea	Air	Total		Tourist arrivals	Tourist nights
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	+15.8
2008	15,961	914,495	930,456	9,218,625	+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	9,651,244	+7.3	-
2011	25,047	939,595	964,642	10,000,136	+3.2	+3.6
2012	16,930	948,511	965,441	10,461,126	+0.1	+4.6
2013 [3]	13,284	979,822	993,106	10,834,907	+2.9	+3.6

[1] A tourist is defined as a non - resident staying overnight but less than a year and who has no employer-employee relationship with a resident

[2] As from 2010, a new methodology for computation of tourist nights is being used. 'Tourist nights' for year y refer to nights spent by tourists arriving in year y

[3] Provisional

Table 6.27 - Broadcasting services (end of period), Republic of Mauritius, 2004 - 2013

Year	Unit	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [1]	2013 [2]
A. Sound											
Channels	Number	8	8	8	9	9	9	10	11	11	11
Transmitters	"	36	36	36	44	45	47	63	67	67	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	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4/ 2	4/ 2	4/ 2
Weekly transmission time	Hour	1,848	1,848	1,848	2,016	2,016	2,016	2,184	2,352	2,352	2,352
Private operators	Number	3	3	3	3	3	3	3	3	3	3
B. Television											
Channels (including digital)[1]	Number	10	10	10	15	20	20	25	25	26	26
Transmitters	"	89	129	140	160	165	168	208	208	212	215
Aerial output (ERP)	kW	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30
Weekly transmission time	Hour	2,016	2,016	2,016	2,520	3,360	3,360	4,200	4,200	4,368	4,368
Television sets licensed	Number	260,300	275,755	277,394	289,930	317,957	314,977	314,761	316,431	319,320	321,221
Island of Mauritius	*Number*	*254,000*	*268,875*	*269,166*	*280,675*	*308,194*	*305,010*	*304,616*	*306,007*	*308,582*	*310,134*
Island of Rodrigues	*"*	*6,300*	*6,880*	*8,228*	*9,255*	*9,763*	*9,967*	*10,145*	*10,424*	*10,738*	*11,087*
Private operators	"	2	3	3	3	3	3	3	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

[1]Revised [2] Provisional

Table 6.28 - Telephone services, Republic of Mauritius, 2004 - 2013

Year	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012	2013 [2]
Number of line capacity of local exchanges	368,481	396,797	446,797	531,551	497,194	443,239	452,927	604,500	395,696	398,702
Fixed telephone lines ('000)	353.8	357.5	357.3	361.3	363.4	375.2	387.7	374.6	349.1	363.0
Fixed telephone lines per 100 inhabitants	29.0	29.1	29.0	29.1	29.2	30.0	31.0	29.9	27.8	28.8
Mobile cellular subscriptions ('000)	547.8	656.8	772.4	928.6	1,033.3	1,086.7	1,190.9	1,294.1	1,485.8	1,533.6
Mobile cellular subscriptions per 100 inhabitants	44.9	53.5	62.6	74.9	83.1	87.0	95.2	103.2	118.2	121.7
Number of calls from fixed telephone (Mn)	534.5	543.3	537.1	513.4	449.1	454.5	440.3	422.0	399.7	397.8
International outgoing telephone traffic:										
(a) calls	14,831	19,046	19,701	21,386	13,401	64,646	42,364	18,245	35,158	32,867
(b) Volume of outgoing calls (Mn minutes)	45.5	58.5	59.7	71.4	107.0	123.3	132.3	134.2	110.5	97.7

Source: Information & Communication Technologies Authority (ICTA)

[1] Revised [2] Provisional

Table 6.29 - Health related statistics, 2004 - 2013

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
No of doctors (public sector)[1]	775	777	856	844	852	887	967	970	1,000	1,054
No of doctors (public and private sectors) [1]	1,303	1,342	1,400	1,425	1,450	1,475	1,500	1,561	1,722	2,046
Doctors per 100,000 mid year population (public and private sector) [1]	*107*	*109*	*113*	*115*	*117*	*118*	*120*	*125*	*137*	*163*
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	3,757	3,879
Nurses and midwives per 100,000 mid year population (public and private sector)	*241*	*236*	*250*	*266*	*273*	*281*	*288*	*293*	*299*	*308*
No of beds (public and private sectors)	4,073	4,067	4,123	4,080	4,082	4,281	4,188	4,121	4,245	4,271
Beds per 100,000 mid year population (public and private sector), Island of Mauritius	344	342	345	340	339	354	346	340	349	351
No of children immunised against Tuberculosis [2]	16,424	16,147	14,700	14,272	13,665	15,821	12,484	12,172	11,845	11,042
No of children immunised against diphtheria, pertussis, tetanus, Hib and Hepatitis B [2]	16,161	15,670	14,756	13,970	14,635	13,376	12,487	11,896	11,754	11,306
No of children immunised against Polio (3rd dose) [2]	16,246	15,747	14,780	13,976	14,663	13,482	12,587	11,997	11,904	11,492
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	12,009	11,504
No of cases of (Imported) Malaria reported [1]	45	35	38	42	27	23	52	54	30	49
No of cases of (Introduced) Malaria reported [1]	3	1	-	-	-	-	-	-	3	3

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

[1] Republic of Mauritius

[2] Public sector only

Table 6.30 - Percentage distribution of private 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. Availability of water tank/reservoir	36.4	49.5
4. Bathroom		
With running water	89.0	95.5
Without running water	10.1	4.0
Other and None	1.0	0.5
5. Toilet		
Flush toilet	88.8	96.4
Pit latrine	11.0	3.4
Other & none	0.2	0.2
6. Kitchen		
Inside housing unit	87.8	95.5
Outside housing unit	11.4	4.2
None	0.8	0.3
7. 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 6.31 - Percentage distribution of private households by method of refuse disposal, Republic of Mauritius 2000 and 2011 Housing Censuses

Method of 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 6.32 - Private households [1] by principal fuel used for heating water for bathing [2], Republic of Mauritius, 2011 Housing 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 [2] The water needs not be heated in the bathroom

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

Table 6.33 - Private households[1] connected to sewerage system by geographical location, Republic of Mauritius, Housing Census 2011

Geographical location	Sewerage system		
	Connected	Not connected	Total
Port Louis	28,442	4,281	32,723
Pamplemouses	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**	**256,632**	**331,291**
	(22.5%)	**(77.5%)**	**(100%)**
Island of Rodrigues	-	10,988	10,988
Agalega	-	79	79
Republic of Mauritius	**74,659**	**267,699**	**342,358**
	(21.8%)	**(78.2%)**	**(100.0%)**

[1]Excluding 27 homeless households with a population of 28

Table 6.34 - No. of complaints received at the Pollution Prevention and Control Division by category, 2004 - 2013

Category	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Noise	444	342	178	135	157	123	160	170	131	150
Solid waste	177	201	137	88	49	136	118	127	100	93
Air pollution	129	154	61	62	57	57	76	96	105	120
Waste water	180	289	92	76	84	72	77	84	71	82
Odour	328	272	121	88	102	88	128	77	79	79
Other [1]	447	215	224	119	147	46	63	177	176	163
Total	**1,705**	**1,473**	**813**	**568**	**596**	**522**	**622**	**731**	**662**	**687**

Source: Ministry of Environment & Sustainable Development

[1] includes backfilling, erosion, illegal construction, objections to projects, law and order, land conversion, land reclamations, landslides etc

Table 6.35 - Contraventions and notices established by Police De L'Environnement, 2004 - 2013

Type of contravention	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Illegal Littering	4,422	3,624	9,427	8,119	8,246	3,402	963	687	1,827	924
Illegal Dumping	19	14	32	16	51	-	152	35	11	18
Noise (playing music in loud tone)	63	30	-	12	91	27	11	34	18	20
Smoking in prohibited area	77	38	63	75	8	48	61	58	178	126
Waste carriers offences	64	18	21	-	8	3	-	-	2	-
Setting fire within 50 metres from building/plantation	11	4	3	-	9	1	-	-	-	3
Obstruction	27	10	1	-	11	-	-	-	-	-
Road Traffic Offences	195	193	372	133	328	134	8	16	388	596
Trading without licence/without PER	100	56	47	47	80	-	41	28	55	60
Allowing animal to stray	15	10	-	-	-	-	2	-	-	-
Disturbance	3	1	1	-	-	-	23	-	-	-
Vehicle emitting smoke (above opacity level)	-	-	-	-	-	-	-	-	-	224
Vehicle emitting excessive noise	-	-	-	-	-	-	-	-	-	436
Others	13	15	46	30	90	81	23	15	61	51
Total	**5,009**	**4,013**	**10,013**	**8,432**	**8,922**	**3,696**	**1,284**	**873**	**2,540**	**2,458**

No. of notices issued to drivers of vehicles emitting black smoke	4,172	5,156	6,236	3,796	6,782	2,270	1,651	374	(Jan- May) 60 *	40

Source: Ministry of Environment and Sustainable Development

* With the introduction of the smoke meter in June 2012, the Police De L'Environnement has started to issue contraventions to drivers of vehicles emitting heavy smoke directly by virtue of the Road Traffic (Control of Vehicle Emissions) Regulations 2002.

From June to December 2012, 73 contraventions were issued

Table 6.36 - Employment by industrial group and sex, March 2013 , Republic of Mauritius

Number

Industrial group	Male	Female	Both sexes
Agriculture, forestry and fishing	**10,760**	**2,267**	**13,027**
Sugarcane	6,159	990	7,149
Tobacco	3	9	12
Flower growing	76	110	186
Tea	116	189	305
Other crop production	86	37	123
Raising of poultry	258	80	338
Other animal production	639	102	741
Forestry, logging fishing and aquaculture	613	102	715
Support activities to agriculture, forestry anf fishing	2,810	648	3,458
Mining and quarrying	**900**	**120**	**1,020**
Quarrying of stone and sand	852	79	931
Extraction of salt (including refining by producer)	48	41	89
Manufacturing	**38,746**	**34,500**	**73,246**
Food:			
Processing and preserving of meat	1,188	422	1,610
Processing and preserving of fish and other seafood	1,592	2,906	4,498
Processing and preserving of fruits and vegetables	183	194	377
Dairy products	260	106	366
Vegetables and animal oils and fats, grain mill products	519	75	594
Bakery products:			
Bread	550	94	644
Pastries and cakes	89	81	170
Biscuits and other dry bakery products	163	185	348
Sugar	1,306	17	1,323
Cocoa, chocolate and sugar confectionery	40	198	238
Macaroni, noodles, coucous and similar farinaceous products	148	147	295
Other food products	494	311	805
Distilled potable alcoholic beverages	259	86	345
Other beverages	1,987	260	2,247
Textiles	3,389	1,344	4,733
Wearing apparel	15,725	21,781	37,506
Leather products	140	493	633
Footwear and parts of footwear	60	67	127
Other products of wood, cork, straw and plaiting materials	211	435	646
Paper and paper product	399	209	608
Printing and reproduction of recorded media	1,284	585	1,869
Basic chemicals, fertilizers and nitrogen compounds, plastics and synthetic rubber in primary forms	442	193	635
Pharmaceuticals, medicinal and other chemical products	1,289	411	1,700
Rubber products	87	61	148
Plastic products	871	293	1,164
Glass and other non metallic mineral products	924	90	1,014
Basic metals	436	31	467
Structural metal products, tanks, reservoirs and steam generators	1,002	129	1,131
Other fabricated metal products; metal working service activities	519	222	741
Computer, eletronic and optical goods	565	754	1,319
Electrical equipment	146	147	293
Motor vehicles, trailers and other transport equipment	601	35	636
Furniture	720	127	847
Jewellery, bijouterie and related articles	581	871	1,452
Other manufacturing n.e.c	472	1,107	1,579
Repair and installation of machinery and equipment	105	33	138

Table 6.36 (cont'd) - Employment by industrial group and sex, March 2013, Republic of Mauritius

Number

Industrial group	Male	Female	Both sexes
Electricity, gas, steam and air conditioning supply	**2,245**	**139**	**2,384**
Water supply, sewerage, waste management and remediation activities	**1,572**	**332**	**1,904**
Water supply, sewerage and waste management	1,451	265	1,716
Materials recovery	121	67	188
Construction	**14,562**	**873**	**15,435**
Construction of buildings	6,126	423	6,549
Civil engineering	3,288	160	3,448
Specialised construction activities	5,148	290	5,438
Wholesale & retail trade; repair of motor vehicles and motorcycles	**15,792**	**9,570**	**25,362**
Sale of motor vehicles and motorcycles	1,353	376	1,729
Maintenance and repair of motor vehicles	236	36	272
Sale of motor vehicles parts and accessories	656	134	790
Wholesale on a fee or contract basis of agricultural raw materials	464	183	647
Wholesale of food, beverages and tobacco	3,201	1,123	4,324
Wholesale of textiles, clothing and footwear	166	195	361
Wholesale of other household goods	1,004	603	1,607
Wholesale of machine equipment and supplies	842	251	1,093
Other specialised and non specialised wholesale	1,305	485	1,790
Retail sale in non-specialised stores with food, beverages or tobacco predominating	1,175	2,016	3,191
Retail sale of automotive fuel	84	11	95
Retail sale of information and communications equipment in specialised stores	738	320	1,058
Other retail sale	4,568	3,837	8,405
Transport and storage	**12,848**	**2,609**	**15,457**
Passenger land transport	4,997	362	5,359
Freight transport by road	824	25	849
Water & air transport	1,539	827	2,366
Warehousing and storage	916	85	1,001
Support activities for tranportation	3,608	822	4,430
Postal and courrier activities	964	488	1,452
Accommodation and food service activities	**17,335**	**7,517**	**24,852**
Accommodation	15,759	6,514	22,273
Food and beverage service activities	1,576	1,003	2,579
Information and communication	**5,831**	**4,171**	**10,002**
Publishing activities	584	351	935
Motion picture, video and television programme production; programming and braodcasting activities	571	261	832

Table 6.36 (cont'd) - Employment by industrial group and sex, March 2013, Republic of Mauritius

Number

Industrial group	Male	Female	Both sexes
Telecommunications	1,992	934	2,926
Computer programming, consultancy and related activities	2,190	1,788	3,978
Information service activities	494	837	1,331
Financial and insurance activities	**5,997**	**6,137**	**12,134**
Monetary intermediation	3,860	3,740	7,600
Other financial services activities	563	675	1,238
Insurance, reinsurance and pension funding	1,219	1,292	2,511
Activities auxiliary to financial service and insurance activities	355	430	785
Real Estate Activities	**486**	**332**	**818**
Professional, Scientific and Technical Activities	**4,214**	**3,311**	**7,525**
Administrative and support service activities	**9,983**	**6,137**	**16,120**
Rental, leasing activities and employment activities	323	79	402
Travel agency activities	82	152	234
Tour operator activities	507	509	1,016
Security and investigation activities	4,358	504	4,862
Services to building and landscape activities	2,275	2,052	4,327
Activities of call centres	2,014	2,479	4,493
Business support service activities n.e.c	424	362	786
Public administration & defence; compulsory social security	**29,374**	**10,415**	**39,789**
Education	**10,822**	**15,168**	**25,990**
Human health and social work activities	**7,253**	**8,248**	**15,501**
Human health activities	6,376	6,934	13,310
Residential care and social work activities without accommodation	877	1,314	2,191
Arts, entertainment and recreation	**2,596**	**1,126**	**3,722**
Libraries, archives, museums and other cultural activities	272	164	436
Gambling and betting activities	889	551	1,440
Sports activities and amusement and recreation activities	1,435	411	1,846
Other service activities	**809**	**592**	**1,401**
Activities of memebership organisations	392	306	698
Other personal service activities	417	286	703
Total	**192,125**	**113,564**	**305,689**

Table 6.37 - Number of accidents by economic activity, bodily location and agency, Republic of Mauritius, 2013

	Bodily Location [1]										Material Agency							
Economic Activity	1.Head	2.Neck (including spine & vertebrate in neck)	3.Back, including spine & vertebrate in the back	4.Trunk and internal organs	5.Upper extremeties	6.Lower extremeties	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	28	2	16	4	51	52	0	2	9	**164**	3	1	1	-	25	1	133	**164**
Fishing	-	-	-	1	4	7	-	-	-	**12**	-	-	-	-	2	-	10	**12**
Mining & quarrying	-	-	-	-	-	-	-	-	-	**-**	-	-	-	-	-	-	-	**-**
Manufacturing	21	0	22	3	109	74	0	3	13	**245**	9	4	1	-	51	-	180	**245**
Electricity, gas & water supply	-	-	-	-	1	-	-	-	-	**1**	-	-	-	-	-	-	1	**1**
Construction	21	3	11	2	100	85	3	3	4	**232**	10	4	1	-	81	-	136	**232**
Wholesale and retail trade; repair of motor vehicles,motor cycles and personal and household goods	5	1	8	4	30	25	2	-	2	**77**	1	2	-	-	17	-	57	**77**
Hotels & restaurants	4	1	3	1	24	26	0	-	1	**60**	-	-	-	-	13	1	46	**60**
Transport, storage & communications	18	-	19	6	55	56	1	3	7	**165**	1	10	1	1	31	-	121	**165**
Financial intermediation	1	-	1	-	6	7	-	1	3	**19**	-	1	1	-	3	-	14	**19**
Real Estate, renting & business activities	1	-	3	2	10	31	-	-	6	**53**	2	-	-	-	10	-	41	**53**
Public administration & defence;compulsory social security	-	-	1	-	-	-	-	-	-	**1**	-	-	-	-	-	-	1	**1**
Education	-	-	-	-	3	4	-	-	2	**9**	-	-	-	-	2	-	7	**9**
Health & social work	-	-	2	-	-	2	-	-	-	**4**	-	-	1	-	-	-	3	**4**
Other community, social & personal service activities	1	-	-	1	5	2	-	-	2	**11**	-	-	-	-	1	-	10	**11**
Private households with employed persons	-	-	-	-	-	1	-	-	-	**1**	-	-	-	-	-	-	1	**1**
Extra-territorial organisations & bodies	-	-	-	-	-	-	-	-	-	**-**	-	-	-	-	-	-	-	**-**
TOTAL	**100**	**7**	**86**	**24**	**398**	**372**	**6**	**12**	**49**	**1,054**	**26**	**22**	**6**	**1**	**236**	**2**	**761**	**1,054**

[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		as a % of all sampled households
	Number	as a % of households reporting health problems	
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	6.3
Industrial noise	95.2	3.3	1.5
Other noise	86.8	9.8	3.4
Smoke/dust	81.7	13	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)

Environmental issues	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	0.1	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 - Number and 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		Percentage									
			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	57.9	59.8	21.3	22.6
Public places	13,019	15,710	2.0	1.2	16.4	13	31.7	26	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) - Number and 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		Percentage									
			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	59.3	11.1	14.5

Table 7.11 (Cont'd) - Number and 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	Percentage				
		Very Poor	Poor	Satisfactory	Good	Excellent
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

Table 7.12 - Percentage distribution of households by awareness of environmental issues, Continuous Multi-Purpose Household Survey (CMPHS)[1] 2012, Republic of Mauritius

Environmental Issues	%	
	Yes	No
1. Maurice Ile Durable	69.9	30.1
2. Environment friendly goods (e.g ozone friendly products)	58.6	41.4
3. Greenhouse gas emission from fossil combustion is responsible for climate change	60.8	39.2
4. Effect of climate change (e.g abnormal weather, flooding, sea level rise, etc)	81.5	18.5
5. Environmental benefits of car pooling	53.3	46.7
6. Emission from vehicles cause air pollution	89.1	10.9
7. Environment benefits of using bicycle or walking short distances	84.3	15.7
8. Dumping at unauthorised places is illegal	91.8	8.2

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012
Note: Figures are based on sample reults of 5,640 households surveyed

Table 7.13 - Percentage distribution of households taking measures to reduce/reuse/recycle waste, Continuous Multi-Purpose Household Survey (CMPHS) 2012, Republic of Mauritius

Measures	Households reporting on measures to reduce/reuse/recycle waste		
	Number	as a % of households reporting taking measures	as a % of all sampled households
1. Use own bags for shopping	3,895	91.9	69.1
2. Choose products with minimum packing	1,590	37.5	28.2
3. Reuse plastic bags	3,528	83.2	62.6
4. Reuse empty containers	2,784	65.7	49.4
5. Compost waste	883	20.8	15.7
6. Other	53	1.3	0.9

Note: Figures are based on sample results of 5,640 households surveyed of which 75% took measures

Table 7.14 - Percentage distribution of households collecting and using rainwater for household purposes, Continuous Multi-Purpose Household Survey (CMPHS) 2012, Republic of Mauritius

Purposes	Households reporting on purposes of collecting rainwater		
	Number	as a % of households reporting taking measures	as a % of all sampled households
1. General cleaning (house, car and pavement)	1,791	89.2	31.8
2. Watering plants/lawn	1,383	68.9	24.5
3. Other	171	8.5	3.0

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012

Note: Figures are based on sample results of 5,640 households surveyed of which 36% collect rain water

Table 7.15 - Percentage distribution of households equipped with solar water heater, Continuous Multi-Purpose Household Survey (CMPHS), 2012 (Republic of Mauritius)

Solar water heater	%
Equipped	19.7
Not equipped	80.3
Interested to buy	*41.2*
Not interested to buy	*39.1*
Total	**100.0**

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012

Table 7.16- Percentage distribution of households equipped with a solar water heater by geographical district, Continuous Multi-Purpose Household Survey (CMPHS), 2012 (Republic of Mauritius)

Geographical district	%	
	Yes	No
Port Louis	12.6	87.4
Pamplemousses	26.7	73.3
Riviere du Rempart	26.4	73.6
Flacq	19.8	80.2
Grand Port	18.2	81.8
Savanne	12.0	88.0
Plaines Wilhems	21.9	78.1
Moka	22.2	77.8
Black River	19.3	80.7
Rodrigues	12.8	87.2
Total	**19.7**	**80.3**

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012

Table 7.17 - Percentage distribution of households not interested to buy a solar water heater by reason, Continuous Multi-Purpose Household Survey (CMPHS), 2012 (Republic of Mauritius)

Reason	%
Not necessary	51.8
Too expensive	40.5
Not appropriate for region	2.6
Other reasons	5.1
Total	**100.0**

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012

Table 7.18 - Percentage distribution of housholds by measures taken to reduce electrical energy consumption, Continuous Multi-Purpose Household Survey (CMPHS), 2012 (Republic of Mauritius)

Measures	% of households reporting	
	Yes	No
Turning off lights when not in use	97.5	2.5
Switch off electric appliances after use	80.1	19.9
Use low consumption electric bulbs	73.8	26.2
Use other energy sources instead of electricity for cooking	73.5	26.5
Use other energy sources instead of electricity for water heating	62.7	37.3
Iron clothes in batches	52.2	47.8
Use energy efficient electric appliances	32.4	67.6
Other measures	0.7	99.3

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012

Note: Figures are based on sample reults of 5,640 households surveyed

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 2004 to 2013, 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 Statistics Mauritius.

Concepts and definitions

Environment

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

Environment indicator: A parameter or a value derived from parameters that points to, provides information about and/or describes the state of the environment, and has a significance extending beyond that directly associated with any given parametric value.

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 (CO_2), methane (CH_4) and Nitrous Oxide (N_2O). Other gases such as Carbon monoxide (CO), oxides of Nitrogen (NOx), non methane volatile organic compounds (NMVOC) and Sulphur dioxide (SO_2), 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.

Photovoltaic : Photovoltaic systems convert solar energy from the sun directly into electricity. This is a renewable form of energy production.

Landfill Gas (LFG): Landfill gas (LFG) is a mixture of different gases, mainly methane and carbon dioxide. It is generated during the natural process of bacterial decomposition of organic material contained in solid waste landfills. LFG is an asset when it is used a a source of energy to produce electricity or heat. By using LFG to produce energy, lanfills can significantly reduce emissions of methane into the atmosphere while decrease dependency on fossils fuels to generate electricity.

ABBREVIATIONS AND SYMBOLS

Abbreviations

%	Percentage
000	Thousand
c.i.f	Cost, insurance, freight
EIA	Environmental Impact Assessment
f.o.b	free on board
Gg	Gigagram (thousand tonnes)
GWh	Gigawatt hour (million kWh)
ktoe	Thousand tonnes of oil equivalent
kWh	Kilowatt hour
LPG	Liquefied Petroleum Gas
m^3	Cubic metres
Mm^3	Million cubic metres
n.e.s	Not elsewhere specified
NPCS	National Parks and Conservation Service
PER	Preliminary Environmental Report
PM_{10}	Particles Matter of size less or equal to 10 microns
ppb	Part per billion
ppm	Part per million
Rs	Rupees
Rs mn	Rupees million
SIFB	Sugar Insurance Fund Board
Toe	Tonne of oil equivalent
TSP	Total suspended particles
$\mu g/m^3$	Micrograms per cubic metre

Symbols

-	Nil or negligible
…	Not available

Conversion factor

1 square kilometer = 100 hectares