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DIGEST OF ENVIRONMENT STATISTICS - 2014

Foreword

This is the thirteenth issue of the Digest of Environment Statistics, a regular annual publication of Statistics Mauritius.

This report presents statistics according to the United Nations Framework for the Development of Environment Statistics 2013 (FDES 2013). FDES 2013 classifies environment statistics into six components namely, Environmental conditions and quality, Environmental resources and their use, Residuals, Extreme events and disasters, Human settlements and environmental health, and Environment protection, management and engagement.

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 2005 to 2014, 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, Sustainable Development, and Disaster and Beach Management and several other organisations. The co-operation and assistance of all these organisations are gratefully acknowledged.

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Environment Statistics, 2014

1. Environmental Conditions and Quality

1.1 Geological, geographical and morphological conditions

(i) Area of country

The Republic of Mauritius is a group of islands in the South West of the Indian Ocean, consisting of the main islands of Mauritius (1,864.8 km²), Rodrigues (104 km²) and other outer islands (71.2 km²) located at distances greater than 350 km from the main island. The total land area of the Republic of Mauritius is 2,040 km² (Figure 1).

(ii) Main geomorphological characteristics

The Island of Mauritius (except for the beaches and coral reef formation) has been created entirely by three periods of volcanic activity. The geology of the island is basically basalt everywhere but the three phases of volcanic activity has given rise to different types of rock. The geological and morphological map is shown in Figure 2.

The island consists of a central plateau surrounded by mountain ranges and plains. The plateau rises to a maximum elevation of about 600 m (a.m.s.l) in the south of the island and has a mean elevation of about 300-400 m (a.m.s.l), the highest peak being 828 m (a.m.s.l).

(iii) Islets

The island of Mauritius is surrounded by a number of islets ranging from 0.03 to 253 hectares covering a total area of around 996 hectares (Table 1.1).

1.2. Temperature

In 2014, February was the warmest month in the Island of Mauritius with a mean of 26.8°C and August, the coolest month with a mean of 21.6°C (Table 1.2).

Both the mean maximum and mean minimum temperatures were above the long term mean (1981-2010) for all the months in 2014 (Table 1.3 & 1.4).

The highest maximum temperature was 36.6°C, recorded on 20 March 2014 at Port Louis. The lowest minimum temperature was 10.2°C, which was recorded on 11 August 2014 at Bois Chéri.

1.2 Precipitation

During the year 2014, the mean amount of rainfall recorded around the Island of Mauritius was 2,094 millimetres (mm), representing a decrease of 1.5% compared to 2,126 mm in 2013 and an increase of 4.5% compared to the long term mean (1981-2010) of 2,003 mm (Table 1.5).

The wettest month in 2014 was January with a mean of 419 mm, which represents a surplus of 59% relative to the long term mean (1981-2010) of 263 mm. September was the driest month with a mean of 54 mm of rainfall registering a deficit of 44% compared to the long term mean (1981-2010) of 96 mm (Table 1.6).

1.4 Solar radiation

(i) Sunshine hours

In 2014, there was a surplus of 11 hours of sunshine recorded at Pamplémousses station, 173 hours at Medine station and 152 hours at Vacoas station compared to the long term mean (1981-2010). However, there was a deficit of 3 hours of sunshine recorded at Fuel station and 1 hour at Plaisance station (Table 1.11).

1.5 Reservoirs and lakes

There are 11 reservoirs with total gross capacity of around 91 Mm³ and two major lakes in the Island of Mauritius (Table 1.12). Table 1.13 shows the monthly average percentage and the long term mean (1990-1999) water level by reservoir. In 2014, the monthly average water level in the largest reservoir, Mare aux Vacoas, was above the long term mean (1990-1999) except for March, September, October, November and December.

1.6 Rivers, catchment areas and aquifers

The Island of Mauritius has a network of 25 major river basins and 21 minor river basins with catchment areas varying from 3.9 to 173 km² (Figure 5). The five main aquifers are shown in Figure 6.

1.7 Seas

The coastline of Mauritius is 322 km long, the length of reef is about 150 km covering an area of 300 km². The country has jurisdiction over a large Exclusive Economic Zone of approximately 2.3 million km².

1.8 Biodiversity

(i) Fauna and flora species

Table 1.15 shows the fauna population in the Republic of Mauritius. To date, 1 endemic species of bat, 7 endemic species of land bird and 11 endemic reptile species exist in the Island of Mauritius.

Of the 691 species of indigenous flowering plants that used to be found in Mauritius, 630 exist of which 243 are endemic (Table 1.16).

1.9 Protected species and areas

(i) Protected fauna species

The evolution of some fauna population of endemic species is given in Table 1.18.

(ii) Protected terrestrial, marine and coastal area

The land protected areas are listed in Table 1.20. State protected mainland accounted for 7,570 hectares, ‘‘Pas Geometriques’’ 625 hectares and privately owned/ managed conservation areas, 6,553 hectares. Table 1.21 lists the marine and coastal protected areas.

1.10 Forest area

Preservation of forests is vital for the protection of the ecosystem. In 2014, the total extent of forest cover in the Island of Mauritius was estimated at 47,103 hectares, representing about 25 % of the total land area. Total forest area decreased by 5 hectares from 47,108 hectares in 2013 to 47,103 hectares in 2014. Some 22,103 hectares (47%) of the total forest area in 2014 was state-owned and the remaining 25,000 hectares (53%) was privately-owned (Table 1.22).

Out of the 22,103 hectares of state-owned forest area, 11,830 hectares (53.5%) 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 625 hectares (2.8%), other nature parks, 906 hectares (4.1%) and other forest lands, 1,369 hectares (6.2%).

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.

2. Environmental Resources and their Use

2.1 Production of energy

(i) Local production (renewable)

Total energy production from local renewable sources: hydro, wind, landfill gas, photovoltaic, bagasse and fuelwood went down by 3.2% from 219.4 ktoe in 2013 to 212.3 ktoe in 2014. This was due to a decrease of 4.1% in the production of bagasse from 201.7 ktoe in 2013 to 193.4 ktoe in 2014 and a drop of 4.7% in hydro & wind from 8.5 koe to 8.1 ktoe. On the other hand, landfill gas went up by 5.9% from 1.7 ktoe to 1.8 ktoe and photovoltaic around 10 folds from 0.2 ktoe to 2.1 ktoe (Tables 2.1 and 2.2).

(ii) Imports of energy sources

Fossil fuel (petroleum products and coal) imports was 1.1% lower in 2014 (1,649 ktoe) than in 2013 (1,667 ktoe). Compared to 2013, imports of petroleum products went down by 4.6% (from 1,228 to 1,171 ktoe) while those of coal increased by 9.1% (from 439 to 479 ktoe) - (Table 2.4 and Figure 10). In 2014, coal constituted around 29% of fossil fuel imports, fuel oil 24%, diesel oil 18%, dual purpose kerosene 15%, gasolene 9% and LPG 5%.

2.2 Primary energy requirement

(i) Primary energy requirement from fossil fuel

In 2014, around 86% (1,279 ktoe) of the total primary energy requirement was met from imported fossil fuels (petroleum products, 55% and coal, 31%) against 85% (1,235 ktoe) in the preceding year. The share of the different fossil fuels within the total primary energy requirement in 2014 was as follows: coal (30.9%), fuel oil (17.1%), diesel oil (13.9%), gasoline (10.2%), aviation fuel (8.5%), Liquefied Petroleum Gas (LPG) - (5.1%) and kerosene (0.1%).

Energy supply from petroleum products increased by 3% from 795 ktoe in 2013 to 819 ktoe in 2014. It comprised fuel oil (31%), diesel oil (25%), gasoline (19%), dual purpose kerosene (16%) and LPG (9%). Supply of coal increased by 4.3% from 441 ktoe in 2013 to 460 ktoe in 2014 (Table 2.3).

(ii) Primary energy requirement from local sources (renewables)

In 2014, primary energy requirement obtained from local renewable sources namely: hydro, wind, landfill gas, photovoltaic, bagasse and fuelwood stood at 212 ktoe and it accounted for around 14% of the total primary energy requirement. Bagasse and hydro contributed around 91% and 4% of the local renewable sources respectively while wind, landfill gas, photovoltaic and fuelwood accounted for the remaining 5% (Table 2.3).

2.3 Electricity generation

The peak power demand in 2014 reached 446.2 MW in the Island of Mauritius as compared with 441.1 MW in 2013, up by 1.2% (Table 2.5).

Some 2,937 GWh (253 ktoe) of electricity was generated in 2014. Around 80% (2,341 GWh or 202 ktoe) of the electricity was generated from non-renewable sources, mainly coal (43%) and diesel & fuel oil (37%) while the remaining 20% (596 GWh or 51 ktoe) were from renewable sources, mostly bagasse (Table 2.6).

Between 2013 and 2014-(i) total electricity generated increased by 1.8 % from 2,885 GWh to 2,937 GWh, (ii) electricity generated from coal increased by 3.7% from 1,214 GWh to 1,259 GWh and that from fuel and diesel oil together increased by 0.3% from 1,076 GWh to 1,079 GWh, (iii) electricity generated from renewable sources increased from 594 GWh to 596 GWh, up by 0.3%, (iv) photovoltaic increased around 9 folds from 2.7 GWh to 24.6 GWh and (v) landfill gas remained at around 20 GWh. On the other hand, hydro went down by 4.2 % from 94.8 GWh to 90.8 GWh, wind by 11.1 % from 3.6 GWh to 3.2 GWh and bagasse by 3.6% from 473 GWh to 456 GWh.

2.4 Final energy consumption

Final energy consumption increased by 2.4% from 871 ktoe in 2013 to 892 ktoe in 2014.

The two main energy-consuming sectors were “Transport” and “Manufacturing”, accounting respectively for 50.9% and 23.6% of the final energy consumed. They were followed by the household sector (14.2%), commercial and distributive trade (10.4%) and agriculture (0.5%) - (Tables 2.9 and 2.10).

2.5 Land use categories

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 2.11 and Figure 12), 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 while that of built-up areas, other agricultural activities, and infrastructure and inland water resource systems went up.

2.6 Fish capture production

The production of fish increased by 117.7 % from 5,795 tonnes in 2013 to 12,617 tonnes in 2014 (Table 2.15). In 2014, fish catch through coastal (artisanal) fishery was around 459 tonnes, representing a drop of 18% over the previous year figure of 559 tonnes. Basket trap accounted for 37% of the total catch, followed by line (36%) and large net (11%)-(Table 2.16).

2.7 Annual and perennial crops

(i) Sugar cane

The production of sugar cane went up by 6.0% from 3,815,782 tonnes in 2013 to 4,044,421 tonnes in 2014. However, the area harvested dropped by 5.2% from 53,464 hectares in 2013 to 50,687 hectares in 2014, resulting in an increase of 11.8% in the yield of sugar cane from 71.37 tonnes per hectare in 2013 to 79.79 in 2014 (Table 2.20).

(ii) Tea

The area under tea plantation in 2014 was 672 hectares, same as in 2013. The production of green tea leaves went down by 4.7% from 7,981 tonnes in 2013 to 7,607 tonnes in 2014, mainly due to unfavourable climatic conditions.

(iii) Tobacco

There was no production of tobacco leaves in 2014 compared to only 1 tonne in 2013.

(iv) Food crops

The area under food crops harvested increased by 0.2% from 8,189 hectares in 2013 to 8,208 hectares in 2014. However, the production of food crops decreased by 6.6% from 118,121 tonnes to 110,366 tonnes in 2014.

2.8 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 2013 and 2014, import of fertilizers increased by 16.0% (from 45,924 to 53,276 tonnes) and import of pesticides by 0.7 % (from 2,185 to 2,201 tonnes) - (Table 2.23).

2.9 Livestock

As at December 2014, the livestock population of cattle, goat, sheep and pig was 52,833 heads in the Island of Mauritius. Goats dominated the livestock population with an estimated population of 26,558 heads (51%), followed by pig, 17,511 (33%), cattle, 6,041 (11%) and sheep, 2,723 (5%) - (Table 2.24).

The production of beef from live cattle increased by 0.5% from 1,946 tonnes in 2013 to 1,956 tonnes in 2014. Beef production from the slaughter of imported cattle increased by 2.2%, from 1,856 tonnes to 1,896 tonnes and local beef production (including live cattle from Rodrigues), which represented only 3.1% of total beef production, decreased by 33.3% from 90 tonnes to 60 tonnes (Table 2.26).

In 2014, the production of goat meat and mutton was 45 tonnes, 2.2% lower than the 2013 figure of 46 tonnes. Production of pork decreased by 9.4% from 615 tonnes in 2013 to 557 tonnes in 2014.

2.10 Water balance

Water being a basic support element for human life and ecosystems, is of vital environmental and biological importance. In 2014, the Island of Mauritius received 3,905 million cubic metres (Mm^3) of water from precipitation (rainfall), 1.5% lower when compared to 3,965 Mm^3 in 2013. Only 10 % (390 Mm^3) of the water went as ground water recharge, while evapotranspiration and surface runoff accounted for 30% (1,172 Mm^3) and 60% (2,343 Mm^3) respectively (Table 2.27).

2.11 Water utilisation

Total water utilisation in the Island of Mauritius was estimated at 895 Mm^3 in 2014. Around 85% (764 Mm^3) of the total water utilisation was met from surface water and the remaining 15% (131 Mm^3) from ground water (Table 2.31).

The agricultural sector accounted for 42% (373 Mm^3) of the water utilised, hydropower 31% (275 Mm^3), and domestic, industrial and tourism sector 27% (247 Mm^3).

Compared to 2013, water utilisation increased by 0.8%, from 888 to 895 Mm^3 with changes as follows: domestic, industrial and tourism (+6.0%), hydropower (-1.8%) and agricultural (-0.5%).

3. Residuals

3.1 Emissions of direct greenhouse gases (GHGs)

(i) Carbon dioxide (CO₂) emission

The national inventory of greenhouse gas (GHG) emissions by source category, in the Republic of Mauritius, is given in Table 3.1. The table shows that:(i) carbon dioxide remains the main contributor of greenhouse gas emissions and stood at 3,969.6 thousand tonnes, contributing 0.0096% to global emissions; and (ii) removal of carbon dioxide (CO₂) was around 294 thousand tonnes in 2014. Net carbon dioxide emissions, after accounting for the removal of CO₂ by forests, went up by 3.8% from 3,543 thousand tonnes in 2013 to 3,676 thousand tonnes in 2014; the increase was due to rise in emission from the energy sector, mainly energy industries (electricity generation) – (Table 3.2).

(ii) Carbon dioxide emission from energy sector (fuel combustion activities)

In 2014, CO₂ emission from the energy sector stood at 3,968.8 thousand tonnes, up by 3.5% from 3,835.4 thousand tonnes in 2013. Within the energy sector, the sub-sector that contributed most of the total CO₂ emission was the energy industries (electricity generation) which accounted for 61.7% (2,449.1 thousand tonnes) of the total CO₂ emissions. Next came the transport sector which made up 25.1% (996.5 thousand tonnes) of the total emissions and the manufacturing industries making up another 8.4% (332.7 thousand tonnes) - (Table 3.2).

(a) *Energy industries (electricity generation)*

Carbon dioxide emission from the generation of electricity (energy industries) stood at 2,449.1 thousand tonnes in 2014 compared to 2,363.8 thousand tonnes in 2013, representing an increase of 3.6%. This is mainly attributed to increase in petroleum products and coal used to produce electricity (Table 2.7).

(b) *Transport industries*

In 2014, carbon dioxide emission from the transport sector stood at 996.5 thousand tonnes compared to 969.5 in 2013, up by 2.8% due to higher fuel consumption. It is to be noted that the number of registered motor vehicles went up by 4.9% from 443,495 in 2013 to 465,052 in 2014 (Table 4.15). Consequently the energy consumed by land transport increased from 310.1 ktoe to 319.1 ktoe (+2.9%) - (Table 2.8).

(c) *Manufacturing industries*

The manufacturing sector registered an increase of 4.9% in CO₂ emissions in 2014 (from 317.2 to 332.7 thousand tonnes). The amount of fossil fuels consumed by the sector went up by 4.6% from 96.2 ktoe in 2013 to 100.6 ktoe in 2014.

3.2 Municipal waste

(i) Waste disposal at Mare Chicose Landfill

The total amount of solid waste landfilled at Mare Chicose decreased to 417,478 tonnes in 2014 from 429,935 tonnes in 2013, down by 2.9 %.

Domestic waste constituted 96% of the total solid waste landfilled in 2014 (Table 3.8).

4. Extreme Events and Disasters

4.1 Tropical cyclone/storm

Tropical cyclones usually occur in the summer period between 1st November and 15th May of the following year. Table 4.1 shows list of tropical cyclone/storm from 1990 to 2014 when warnings were issued for Mauritius.

5. Human Settlements and Environmental Health

5.1 Urban and rural population

The estimated resident population in the Island of Mauritius was 1,219,659 as at 31st December 2014. The female population was 616,083 compared to a male population of 603,576. Some 42.5% of the population resided in urban area in 2014 compared to 42.6% in 2013 (Table 5.3).

5.2 Access to selected basic services

As at Census 2011, the percentage of the population in the Island of Mauritius with the following amenities was as follows: piped water inside their houses 95.8%, flush toilet (sewerage, absorption pit and septic tank) 98.0%; and garbage regularly collected by authorised collectors, 97.5% (Tables 5.4, 5.5 and 5.7).

5.3 Airborne diseases

Table 5.18 lists the number of admissions due to certain respiratory diseases by sex in government general hospitals in the Island of Mauritius.

5.4 Mosquito borne diseases

Some 20 cases of malaria and 2 cases of chikungunya, all imported or introduced, have been reported in 2014 in the Island of Mauritius. Some 64 cases of dengue were also reported, of which 44 were locally transmitted (Table 5.23).

6. Environmental Protection, Management and Engagement

6.1 Environmental Impact Assessment (EIA) Licences and Preliminary Environmental Report (PER) Approvals

In 2014, some 34 EIA licences were granted of which 8 were for housing, 7 for land parcelling (morcellement), 6 for coastal hotels and related works and another 6 were for development in port area (Table 6.3).

During the same period, 22 PER approvals were issued of which 7 were for poultry rearing and 4 for industrial development (Table 6.4).

6.2 Complaints

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

Table 6.5 lists the number of complaints by category received by the Pollution Prevention and Control Division of the Ministry of Environment, Sustainable Development, and Disaster and Beach Management. The number of complaints received decreased by 3.3% from 687 in 2013 to 664 in 2014. The complaints were mainly due to: air pollution (21%), waste water (15%), solid waste (14%), odour (12%) and noise (12%).

6.3 Contraventions

In 2014, the Police de L'Environnement established 1,682 contraventions of which vehicles emitting excessive noise accounted for 47% (784) and illegal littering 31% (528).

During the same period, 564 notices were issued to drivers of vehicles emitting black smoke (Table 6.6).

Main environment indicators, 2005, 2013 and 2014

| Indicator | Units | 2005 | 2013 | 2014 |
|---|---|--------|--------|--------|
| Republic of Mauritius | | | | |
| 1. Land protected areas | ha | 14,459 | 14,754 | 14,749 |
| 2. Marine and coastal protected areas | ha | ... | ... | 14,759 |
| 3. Total Carbon dioxide emission | 000 tons | 2,996 | 3,837 | 3,970 |
| 4. Per capita carbon dioxide emission | tons | 2.4 | 3.0 | 3.1 |
| 5. Total electricity generated | GWh | 2,272 | 2,885 | 2,937 |
| 6. Electricity generated from renewable sources | % | 25.0 | 20.6 | 20.3 |
| 7. Total primary energy requirement | ktoe | 1,293 | 1,455 | 1,492 |
| 8. Primary energy requirement from renewable sources | % | 20.3 | 15.0 | 14.2 |
| 9. Per capita primary energy requirement | toe | 1.05 | 1.16 | 1.18 |
| 10. Per capita final energy consumption | toe | 0.69 | 0.69 | 0.71 |
| 11. Energy intensity | toe per Rs.100,000 GDP at 2000 prices | 0.90 | 0.73 | 0.72 |
| Island of Mauritius | | | | |
| 12. Forest area | ha | 47,185 | 47,108 | 47,103 |
| 13. Total forest area as a % of total land area | % | 25.3 | 25.3 | 25.3 |
| 14. Total fish production (fresh-weight equivalent) | tons | 8,327 | 5,795 | 12,617 |
| 15. Irrigated land | ha | 20,658 | 19,170 | 17,183 |
| 16. Threatened plant species | % | ... | 88 | 88 |
| 17. Threatened animal species | % | ... | 89 | 89 |
| 18. Mean annual rainfall | millimetres | 2,376 | 2,126 | 2,094 |
| 19. Mean of maximum annual temperature | degrees Celcius | 27.2 | 27.7 | 28.2 |
| 20. Mean of minimum annual temperature | degrees Celcius | 19.9 | 20.1 | 20.6 |
| 21. Annual fresh water abstraction | Mm ³ | 691 | 608 | 620 |
| 22. Daily per capita domestic water consumption | litres | 167.0 | 165.0 | 167.0 |
| 23. Daily per capita solid waste disposed at landfill | Kg | 0.88 | 0.97 | 0.94 |

Other Environment Statistics

| | | |
|---|-----------------|-------------|
| 24. Length of coastline | km | 322 |
| 25. Length of coral reefs | km | 150 |
| 26. Area of coral reefs | km ² | 300 |
| 27. Lagoon areas | km ² | 243 |
| 28. Exclusive Economic Zone (EEZ) - Republic of Mauritius | km ² | 2.3 million |

... : Not available

COMPONENT 1

**ENVIRONMENTAL CONDITIONS
AND QUALITY**

Figure 1 - Map, Republic of Mauritius



57°20'0"E 57°30'0"E 57°40'0"E 57°50'0"E

20°0'0"S 20°0'0"S

20°10'0"S 20°10'0"S

20°20'0"S 20°20'0"S

20°30'0"S 20°30'0"S

57°20'0"E 57°30'0"E 57°40'0"E 57°50'0"E

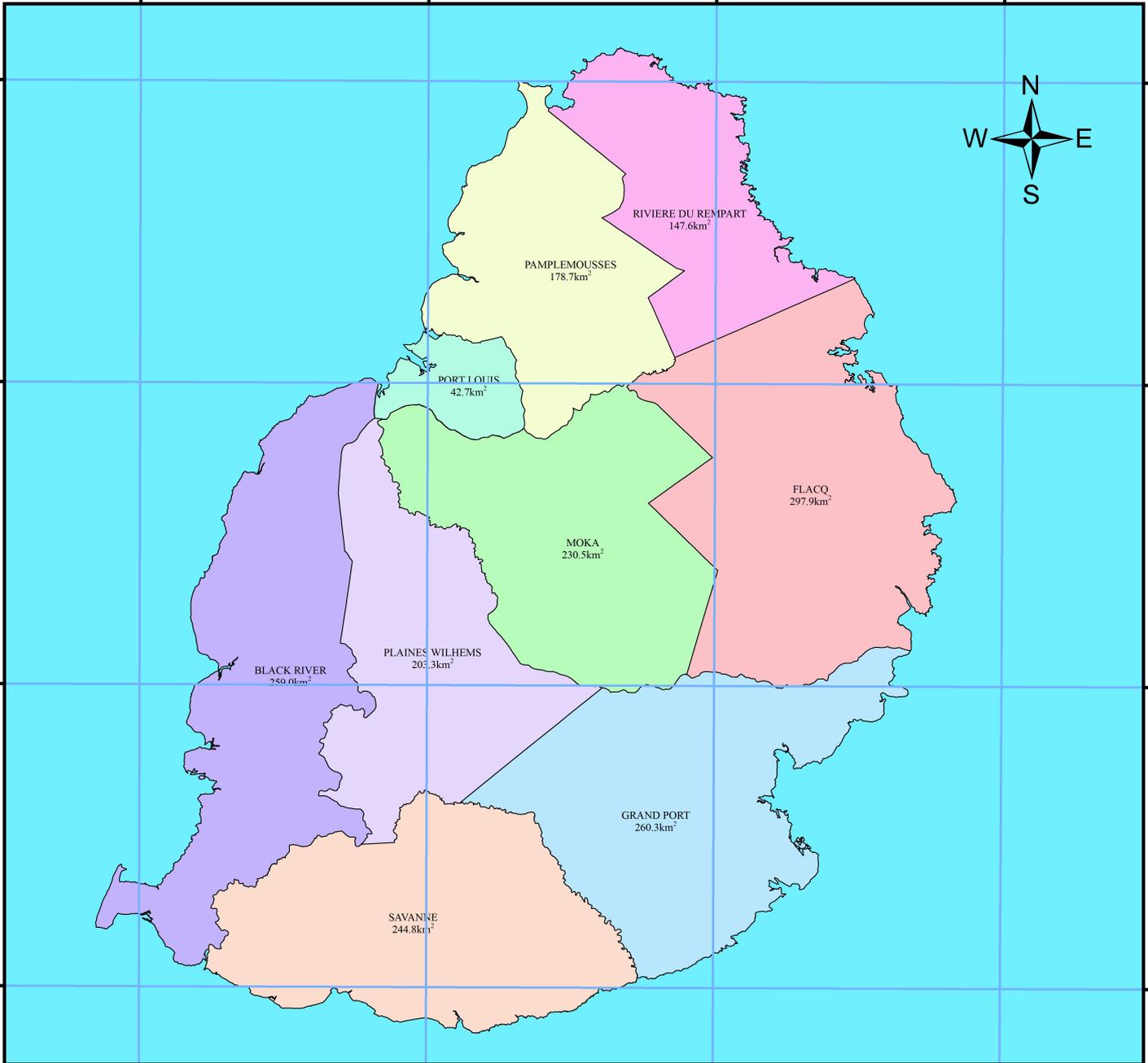
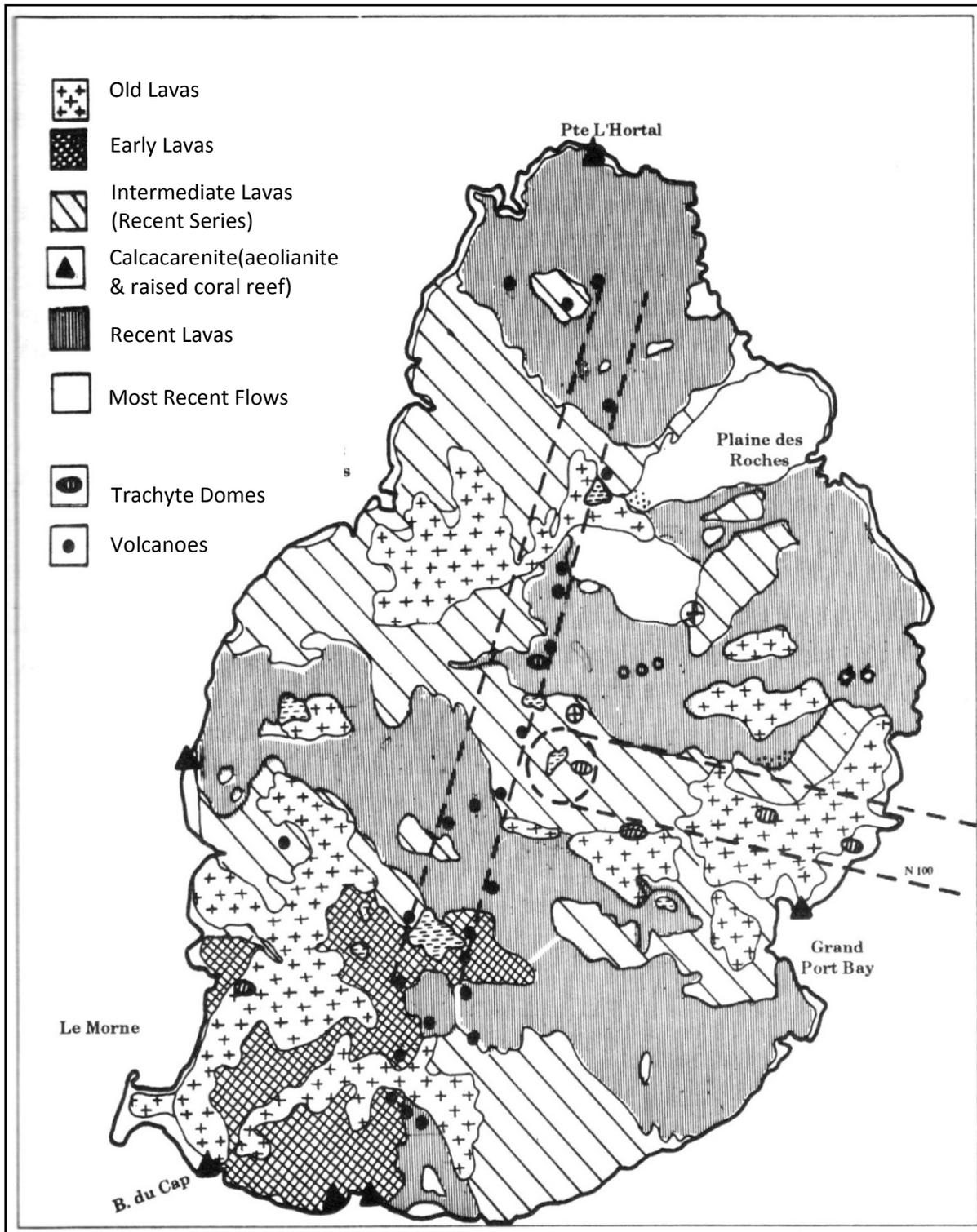


Figure 2 – Geological and morphological map of Mauritius



Source: Mauritius A Geomorphological Analysis Report

Table 1.1 - Main islets by geographical district and area, 2014

| | Name | Geographical district | Extent (ha) |
|--------------|---|-----------------------|---------------|
| 1 | Serpent Island | Riviere Du Rempart | 31.6 |
| 2 | Round Island | | 168.8 |
| 3 | Pigeon Rock | | 0.63 |
| 4 | Flat Island | | 253.25 |
| 5 | Gabriel Island | | 42.20 |
| 6 | Gunner's Quoin | | 76.00 |
| 7 | Ilot Matapan | | 4.96 |
| 8 | Ilot Bemache | | ... |
| 9 | Ile d'Ambre | | 137.10 |
| 10 | Ilot Fourmi | | 0.04 |
| 11 | Ilot Aigrettes | | 0.04 |
| 12 | Islet at Pte de Flacq | | 0.21 |
| 13 | Islet at Pte de Flacq | | 0.63 |
| 14 | Lerique Islet | | 0.42 |
| 15 | Goyaves de Chine | | 0.22 |
| 16 | Bambaras Islet | Flacq | 0.42 |
| 17 | Ilot Grosse Bite | | 0.12 |
| 18 | Islets opp. P.G. Bras D'Eau | | 0.49 |
| 19 | Ilot Maino | | 0.42 |
| 20 | Ilot Vacoas | | 1.36 |
| 21 | Ilot de la Batterie | | 0.62 |
| 22 | Rocky Islet at Bras de Mer aux Huitres | | 0.60 |
| 23 | Ile aux Levrettes | | 0.59 |
| 24 | Ilot Lievres | | 0.77 |
| 25 | Ile du Trou Vire | | 3.80 |
| 26 | Ile Couba | | 6.33 |
| 27 | Ile aux Rats | | 0.42 |
| 28 | Ile de L'Est or Mangenie | | 31.23 |
| 29 | Ile aux Cerfs | | 91.46 |
| 30 | Ilot Flammants | | ... |
| 31 | Ile aux Oiseaux | | ... |
| 32 | Ile aux Mariannes | | 4.05 |
| 33 | Rocher des Oiseaux | | ... |
| 34 | Ile aux Fous | | ... |
| 35 | Ilot Chat | | 0.03 |
| 36 | Ile aux Singes | | 0.27 |
| 37 | Islet near coast of War Department Land | Grand Port | 0.05 |
| 38 | Mouchoir Rouge | | 0.52 |
| 39 | Ile aux Fouquets | | 2.49 |
| 40 | Ile aux Vacoas | | ... |
| 41 | Ile de la Passe | | 2.19 |
| 42 | Ile aux Aigrettes | | 24.69 |
| 43 | Ile des Deux Cocos | | 3.60 |
| 44 | Ilot Brocus & Lafond | | 23.60 |
| 45 | Ilot Sancho | Savanne | 0.53 |
| 46 | Ilot Foumeaux | | 12.66 |
| 47 | Ile aux Benitiers | | 65.42 |
| 48 | Ilot Malais | Black River | 0.95 |
| 49 | Ilot Fortier | | ... |
| Total | | | 995.77 |

Source: National Parks and Conservation Service

Table 1.2 Mean temperature, 2005 - 2014

Degrees celcius

| Year \ Month | Jan | | Feb | | Mar | | Apr | | May | | Jun | | Jul | | Aug | | Sept | | Oct | | Nov | | Dec | | Mean annual temperature | | |
|--------------|-------------------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|-------------------------|---------------------|------|
| | LTM ¹ (26.1) | | LTM (26.2) | | LTM (25.8) | | LTM (24.9) | | LTM (23.2) | | LTM (21.4) | | LTM (20.6) | | LTM (20.7) | | LTM (21.3) | | LTM (22.3) | | LTM (23.9) | | LTM (25.3) | | LTM (23.5) | | |
| | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM |
| 2005 | 26.8 | 0.8 | 26.4 | 0.1 | 26.0 | 0.3 | 25.3 | 0.4 | 23.4 | 0.2 | 21.5 | 0.1 | 20.7 | 0.1 | 20.6 | -0.1 | 21.4 | 0.1 | 21.8 | -0.4 | 23.3 | -0.6 | 25.1 | -0.1 | 23.5 | 0.0 | |
| 2006 | 25.8 | -0.2 | 26.0 | -0.2 | 25.9 | 0.2 | 25.2 | 0.3 | 23.1 | -0.1 | 22.2 | 0.8 | 20.7 | 0.1 | 20.4 | -0.2 | 21.4 | 0.1 | 22.5 | 0.2 | 24.5 | 0.6 | 26.2 | 0.9 | 23.7 | 0.2 | |
| 2007 | 26.8 | 0.7 | 26.6 | 0.4 | 25.6 | -0.1 | 25.2 | 0.3 | 23.7 | 0.5 | 21.3 | -0.1 | 21.3 | 0.7 | 20.9 | 0.3 | 21.6 | 0.3 | 22.3 | 0.1 | 24.1 | 0.3 | 25.8 | 0.6 | 23.8 | 0.3 | |
| 2008 | 26.1 | 0.0 | 26.2 | -0.1 | 25.3 | -0.5 | 25.0 | 0.1 | 23.1 | -0.1 | 21.3 | -0.1 | 20.4 | -0.2 | 21.3 | 0.6 | 21.8 | 0.5 | 22.8 | 0.5 | 24.7 | 0.8 | 25.9 | 0.7 | 23.6 | 0.1 | |
| 2009 | 26.9 | 0.8 | 26.8 | 0.6 | 26.2 | 0.4 | 25.8 | 0.9 | 23.8 | 0.6 | 22.4 | 1.0 | 21.0 | 0.4 | 20.9 | 0.3 | 21.5 | 0.3 | 23.0 | 0.7 | 24.2 | 0.3 | 25.8 | 0.6 | 24.0 | 0.5 | |
| 2010 | 26.4 | 0.4 | 26.9 | 0.7 | 26.5 | 0.7 | 25.3 | 0.4 | 24.4 | 1.2 | 22.8 | 1.4 | 21.0 | 0.4 | 20.8 | 0.2 | 21.4 | 0.1 | 23.2 | 1.0 | 23.8 | 0.0 | 25.3 | 0.1 | 24.0 | 0.5 | |
| 2011 | 26.2 | 0.1 | 26.6 | 0.4 | 26.1 | 0.3 | 25.5 | 0.6 | 23.7 | 0.5 | 22.9 | 1.5 | 21.4 | 0.8 | 21.1 | 0.4 | 21.8 | 0.6 | 22.9 | 0.6 | 24.8 | 0.9 | 25.5 | 0.3 | 24.0 | 0.5 | |
| 2012 | 26.0 | 0.0 | 27.0 | 0.8 | 26.0 | 0.3 | 25.5 | 0.6 | 23.3 | 0.1 | 21.6 | 0.2 | 21.4 | 0.8 | 21.3 | 0.7 | 21.8 | 0.5 | 23.2 | 0.9 | 24.8 | 0.9 | 26.3 | 1.0 | 24.0 | 0.5 | |
| 2013 | 26.4 | 0.4 | 26.7 | 0.5 | 26.1 | 0.4 | 25.0 | 0.1 | 23.0 | -0.2 | 21.6 | 0.2 | 20.5 | -0.1 | 21.1 | 0.5 | 22.2 | 0.9 | 23.6 | 1.3 | 24.6 | 0.7 | 25.9 | 0.6 | 23.9 | 0.4 | |
| 2014 | 26.7 | 0.6 | 26.8 | 0.6 | 26.4 | 0.6 | 25.3 | 0.4 | 23.5 | 0.3 | 22.4 | 1.0 | 22.0 | 1.4 | 21.6 | 0.9 | 22.0 | 0.7 | 24.2 | 2.0 | 25.5 | 1.6 | 26.4 | 1.1 | 24.4 | 0.9 | |

Source: Mauritius Meteorological Services

¹ LTM: Long term mean, 1981-2010

Table 1.3 Mean maximum temperature, 2005 - 2014

Degrees celcius

| Month Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec | Mean of maximum annual temperature | | | | | | | | | | | | | | |
|-------------------|-------------------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------------------------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------|
| | LTM ¹ (29.8) | | LTM (29.8) | | LTM (29.4) | | LTM (28.6) | | LTM (27.0) | | LTM (25.2) | | LTM (24.3) | | LTM (24.4) | | LTM (25.3) | | LTM (26.2) | | LTM (28.1) | | LTM (29.3) | | LTM (27.3) | | |
| | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM |
| 2005 | 30.5 | 0.6 | 29.9 | 0.1 | 29.5 | 0.2 | 29.1 | 0.5 | 26.7 | -0.3 | 25.1 | -0.1 | 24.1 | -0.2 | 24.3 | -0.1 | 24.7 | -0.6 | 25.7 | -0.5 | 27.3 | -0.8 | 29.3 | 0.0 | 27.2 | -0.1 | |
| 2006 | 29.3 | -0.5 | 29.2 | -0.5 | 28.8 | -0.5 | 28.7 | 0.2 | 27.3 | 0.4 | 25.5 | 0.3 | 24.1 | -0.2 | 24.1 | -0.3 | 25.2 | -0.1 | 26.4 | 0.1 | 28.3 | 0.3 | 30.1 | 0.8 | 27.3 | 0.0 | |
| 2007 | 30.1 | 0.3 | 29.7 | 0.0 | 29.0 | -0.3 | 28.5 | -0.1 | 27.3 | 0.3 | 24.9 | -0.3 | 24.9 | 0.6 | 24.7 | 0.3 | 25.5 | 0.2 | 25.9 | -0.3 | 28.4 | 0.3 | 29.7 | 0.4 | 27.4 | 0.1 | |
| 2008 | 29.5 | -0.3 | 29.4 | -0.3 | 28.7 | -0.7 | 29.0 | 0.4 | 27.0 | 0.1 | 24.6 | -0.6 | 24.0 | -0.3 | 24.7 | 0.3 | 25.0 | -0.4 | 26.1 | -0.1 | 28.7 | 0.6 | 30.0 | 0.7 | 27.2 | -0.1 | |
| 2009 | 30.9 | 1.1 | 30.3 | 0.6 | 29.7 | 0.4 | 28.9 | 0.4 | 27.5 | 0.6 | 26.2 | 0.9 | 24.2 | -0.1 | 24.3 | -0.1 | 25.4 | 0.1 | 26.8 | 0.5 | 27.7 | -0.3 | 29.6 | 0.3 | 27.6 | 0.3 | |
| 2010 | 29.9 | 0.1 | 30.3 | 0.6 | 29.9 | 0.5 | 29.2 | 0.6 | 27.9 | 1.0 | 26.5 | 1.2 | 24.7 | 0.4 | 24.6 | 0.2 | 25.8 | 0.5 | 27.3 | 1.1 | 28.1 | 0.0 | 29.8 | 0.5 | 27.8 | 0.5 | |
| 2011 | 30.1 | 0.3 | 30.0 | 0.2 | 29.7 | 0.3 | 29.2 | 0.7 | 28.0 | 1.1 | 26.6 | 1.4 | 25.2 | 0.9 | 24.7 | 0.3 | 26.0 | 0.7 | 27.1 | 0.8 | 29.1 | 1.0 | 29.1 | -0.2 | 27.9 | 0.6 | |
| 2012 | 30.1 | 0.2 | 30.8 | 1.1 | 29.5 | 0.1 | 28.6 | 0.1 | 26.6 | -0.3 | 25.1 | -0.1 | 24.9 | 0.6 | 24.8 | 0.4 | 25.6 | 0.3 | 27.2 | 1.0 | 28.9 | 0.8 | 29.8 | 0.5 | 27.7 | 0.4 | |
| 2013 | 29.7 | -0.1 | 30.0 | 0.2 | 29.5 | 0.2 | 28.1 | -0.4 | 27.1 | 0.1 | 25.6 | 0.4 | 24.9 | 0.6 | 24.8 | 0.4 | 26.1 | 0.8 | 27.5 | 1.3 | 28.8 | 0.8 | 30.0 | 0.7 | 27.7 | 0.4 | |
| 2014 | 30.0 | 0.2 | 30.4 | 0.6 | 30.1 | 0.7 | 29.0 | 0.4 | 27.5 | 0.6 | 26.1 | 0.9 | 25.3 | 1.0 | 25.4 | 1.0 | 26.3 | 1.0 | 28.3 | 2.1 | 29.5 | 1.5 | 30.1 | 0.8 | 28.2 | 0.9 | |

Source: Mauritius Meteorological Services

¹ LTM: Long term mean, 1981-2010

Table 1.4 Mean minimum temperature, 2005 - 2014

Degrees celcius

| Month | Jan | | FEB | | Mar | | Apr | | May | | Jun | | Jul | | Aug | | Sept | | Oct | | Nov | | Dec | | Mean of minimum annual temperature | |
|-------|-------------------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------------------------------|---------------------|
| | LTM ¹ (22.3) | | LTM (22.6) | | LTM (22.1) | | LTM (21.2) | | LTM (19.4) | | LTM (17.6) | | LTM (16.9) | | LTM (16.9) | | LTM (17.2) | | LTM (18.3) | | LTM (19.6) | | LTM (21.2) | | LTM (19.6) | |
| Year | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM | Mean | Difference from LTM |
| 2005 | 23.1 | 0.8 | 22.8 | 0.2 | 22.6 | 0.4 | 21.4 | 0.2 | 20.2 | 0.8 | 17.9 | 0.3 | 17.3 | 0.4 | 16.9 | -0.1 | 18.1 | 0.8 | 17.9 | -0.4 | 19.3 | -0.2 | 21.0 | -0.2 | 19.9 | 0.3 |
| 2006 | 22.3 | 0.0 | 22.8 | 0.2 | 23.0 | 0.8 | 21.6 | 0.4 | 18.9 | -0.4 | 18.9 | 1.3 | 17.4 | 0.4 | 16.8 | -0.1 | 17.6 | 0.4 | 18.6 | 0.3 | 20.6 | 1.0 | 22.3 | 1.2 | 20.1 | 0.5 |
| 2007 | 23.5 | 1.2 | 23.5 | 0.9 | 22.2 | 0.1 | 21.9 | 0.7 | 20.1 | 0.7 | 17.7 | 0.1 | 17.7 | 0.8 | 17.2 | 0.3 | 17.7 | 0.4 | 18.7 | 0.4 | 19.8 | 0.3 | 21.9 | 0.8 | 20.2 | 0.6 |
| 2008 | 22.6 | 0.3 | 22.9 | 0.3 | 21.9 | -0.3 | 20.9 | -0.3 | 19.3 | -0.1 | 18.0 | 0.4 | 16.8 | -0.1 | 17.8 | 0.9 | 18.6 | 1.4 | 19.4 | 1.1 | 20.6 | 1.1 | 21.9 | 0.7 | 20.1 | 0.5 |
| 2009 | 22.8 | 0.5 | 23.3 | 0.7 | 22.7 | 0.5 | 22.6 | 1.4 | 20.0 | 0.7 | 18.6 | 1.0 | 17.8 | 0.9 | 17.5 | 0.6 | 17.6 | 0.4 | 19.2 | 0.9 | 20.6 | 1.1 | 22.0 | 0.8 | 20.4 | 0.8 |
| 2010 | 22.9 | 0.6 | 23.4 | 0.8 | 23.1 | 0.9 | 21.5 | 0.3 | 20.9 | 1.5 | 19.1 | 1.5 | 17.3 | 0.4 | 17.0 | 0.1 | 17.0 | -0.3 | 19.1 | 0.8 | 19.6 | 0.0 | 20.9 | -0.3 | 20.1 | 0.5 |
| 2011 | 22.2 | -0.1 | 23.3 | 0.7 | 22.5 | 0.3 | 21.8 | 0.6 | 19.4 | 0.1 | 19.2 | 1.6 | 17.5 | 0.6 | 17.5 | 0.6 | 17.6 | 0.4 | 18.7 | 0.4 | 20.5 | 0.9 | 21.9 | 0.7 | 20.2 | 0.6 |
| 2012 | 22.0 | -0.3 | 23.1 | 0.5 | 22.5 | 0.4 | 22.3 | 1.1 | 20.1 | 0.7 | 18.1 | 0.5 | 17.9 | 1.0 | 17.8 | 0.9 | 17.9 | 0.7 | 19.1 | 0.8 | 20.7 | 1.1 | 22.8 | 1.6 | 20.4 | 0.8 |
| 2013 | 23.1 | 0.8 | 23.4 | 0.8 | 22.7 | 0.6 | 21.9 | 0.7 | 18.9 | -0.5 | 17.6 | 0.0 | 16.1 | -0.8 | 17.5 | 0.6 | 18.2 | 1.0 | 19.6 | 1.3 | 20.3 | 0.7 | 21.8 | 0.6 | 20.1 | 0.5 |
| 2014 | 23.3 | 1.0 | 23.2 | 0.6 | 22.6 | 0.5 | 21.5 | 0.3 | 19.5 | 0.1 | 18.7 | 1.1 | 18.6 | 1.7 | 17.7 | 0.8 | 17.6 | 0.4 | 20.1 | 1.8 | 21.4 | 1.8 | 22.6 | 1.4 | 20.6 | 1.0 |

Source: Mauritius Meteorological Services

¹ LTM: Long term mean, 1981-2010

Table 1.5 - Mean annual rainfall ¹ by region, 2005 - 2014

| Region | | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| West LTM ² (912 mm) | Mean (mm) | 1,255 | 740 | 1,012 | 1,154 | 1,200 | 609 | 1,050 | 631 | 971 | 906 |
| | % of LTM | 138 | 81 | 111 | 131 | 137 | 69 | 115 | 69 | 106 | 99 |
| North LTM (1,294 mm) | Mean (mm) | 1,525 | 1,463 | 1,094 | 1,645 | 1,688 | 1,062 | 1,443 | 963 | 1,262 | 1,264 |
| | % of LTM | 118 | 113 | 85 | 120 | 123 | 78 | 111 | 74 | 97 | 98 |
| South LTM (2,572 mm) | Mean (mm) | 2,771 | 2,200 | 2,355 | 2,943 | 2,828 | 2,400 | 2,213 | 1,996 | 2,668 | 2,607 |
| | % of LTM | 108 | 86 | 92 | 113 | 109 | 93 | 86 | 78 | 104 | 101 |
| East LTM (2,568 mm) | Mean (mm) | 3,188 | 2,646 | 2,736 | 2,999 | 3,155 | 2,756 | 2,794 | 2,289 | 2,716 | 2,758 |
| | % of LTM | 124 | 103 | 107 | 124 | 130 | 114 | 109 | 89 | 106 | 107 |
| Centre LTM (2,568 mm) | Mean (mm) | 3,081 | 2,433 | 2,744 | 3,043 | 2,959 | 2,153 | 2,228 | 2,158 | 2,898 | 2,833 |
| | % of LTM | 120 | 95 | 107 | 116 | 113 | 82 | 87 | 84 | 113 | 110 |
| Whole Island LTM (2,003 mm) | Mean (mm) | 2,376 | 1,914 | 1,946 | 2,381 | 2,383 | 1,806 | 1,948 | 1,621 | 2,126 | 2,094 |
| | % of LTM | 119 | 96 | 97 | 120 | 120 | 91 | 97 | 81 | 106 | 105 |

Source: Mauritius Meteorological Services

¹ Average of 23 stations for different regions

² LTM : Long Term Mean, 1981 - 2010

Table 1.6 - Mean monthly rainfall ¹ by region, 2014

| Region Month | West | | | North | | | South | | | East | | | Centre | | | Whole Island | | |
|-----------------|------------|----------------------------|---------------------|--------------|----------------------------|---------------------|--------------|----------------------------|---------------------|--------------|----------------------------|---------------------|--------------|----------------------------|---------------------|--------------|----------------------------|---------------------|
| | Mean (mm) | Long Term Mean (1981-2010) | % of Long Term Mean | Mean (mm) | Long Term Mean (1981-2010) | % of Long Term Mean | Mean (mm) | Long Term Mean (1981-2010) | % of Long Term Mean | Mean (mm) | Long Term Mean (1981-2010) | % of Long Term Mean | Mean (mm) | Long Term Mean (1981-2010) | % of Long Term Mean | Mean (mm) | Long Term Mean (1981-2010) | % of Long Term Mean |
| January | 306 | 186 | 165 | 242 | 177 | 137 | 513 | 306 | 168 | 524 | 309 | 170 | 510 | 333 | 153 | 419 | 263 | 159 |
| February | 101 | 219 | 46 | 127 | 245 | 52 | 237 | 393 | 60 | 250 | 427 | 59 | 203 | 446 | 46 | 184 | 348 | 53 |
| March | 96 | 138 | 70 | 175 | 190 | 92 | 333 | 326 | 102 | 376 | 338 | 111 | 355 | 315 | 113 | 270 | 263 | 103 |
| April | 90 | 85 | 106 | 165 | 137 | 120 | 371 | 279 | 133 | 294 | 280 | 105 | 292 | 268 | 109 | 247 | 212 | 117 |
| May | 26 | 40 | 65 | 103 | 89 | 116 | 146 | 197 | 74 | 151 | 207 | 73 | 192 | 196 | 98 | 127 | 148 | 86 |
| June | 2 | 25 | 10 | 19 | 63 | 30 | 94 | 153 | 62 | 88 | 143 | 61 | 96 | 141 | 68 | 61 | 107 | 57 |
| July | 10 | 23 | 41 | 23 | 71 | 33 | 153 | 181 | 84 | 188 | 164 | 114 | 247 | 173 | 143 | 126 | 125 | 101 |
| August | 51 | 17 | 301 | 58 | 59 | 97 | 121 | 153 | 79 | 173 | 138 | 125 | 178 | 151 | 118 | 116 | 106 | 110 |
| September | 11 | 27 | 40 | 22 | 57 | 39 | 64 | 136 | 47 | 74 | 130 | 57 | 95 | 124 | 76 | 54 | 96 | 56 |
| October | 11 | 22 | 51 | 50 | 42 | 119 | 90 | 107 | 84 | 92 | 101 | 91 | 74 | 107 | 69 | 64 | 77 | 84 |
| November | 13 | 30 | 43 | 49 | 45 | 109 | 134 | 114 | 117 | 107 | 107 | 100 | 130 | 92 | 141 | 89 | 78 | 114 |
| December | 189 | 100 | 189 | 230 | 119 | 193 | 351 | 227 | 155 | 442 | 224 | 197 | 462 | 222 | 208 | 336 | 180 | 187 |
| Year | 906 | 912 | 99 | 1,264 | 1,294 | 98 | 2,607 | 2,572 | 101 | 2,758 | 2,568 | 107 | 2,833 | 2,568 | 110 | 2,094 | 2,003 | 105 |

Source: Mauritius Meteorological Services

¹ Average of 23 stations for different regions

Figure 3 - Rainfall difference from Long Term Mean, 2014

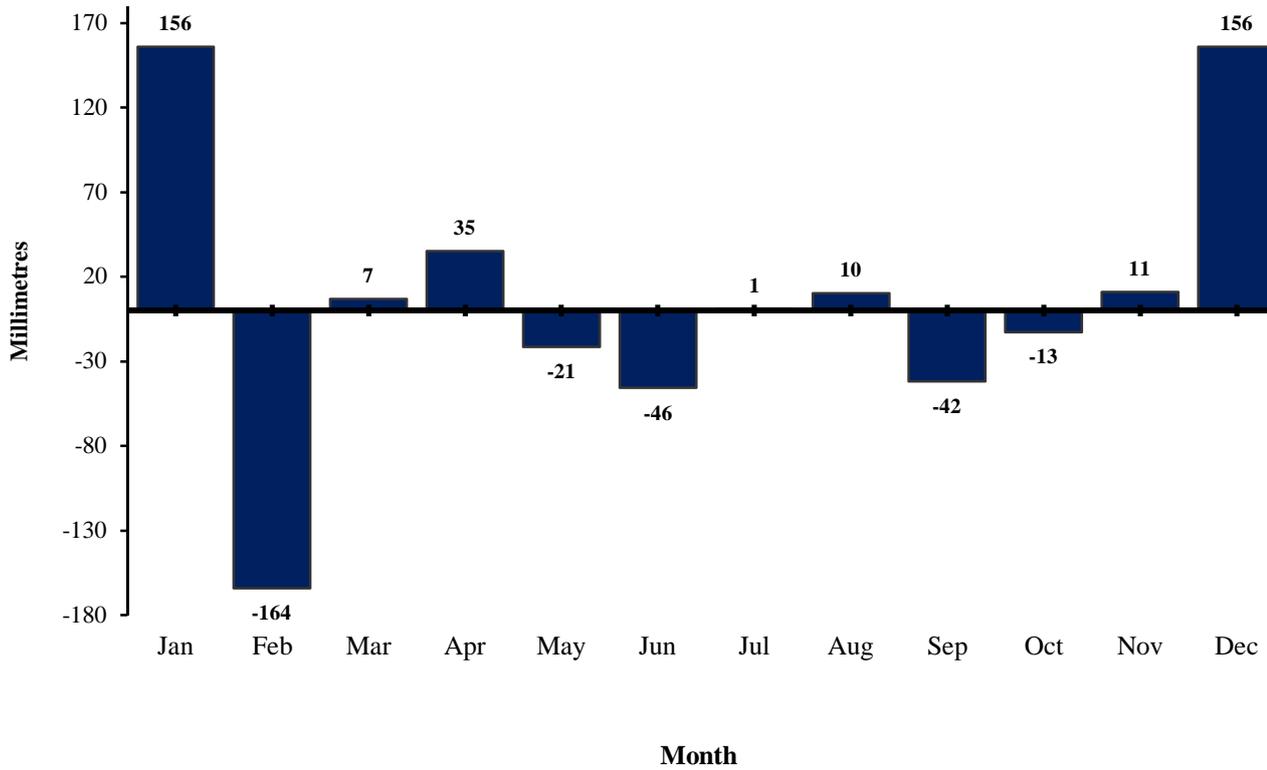


Figure 4 - Mean rainfall, 2005 - 2014

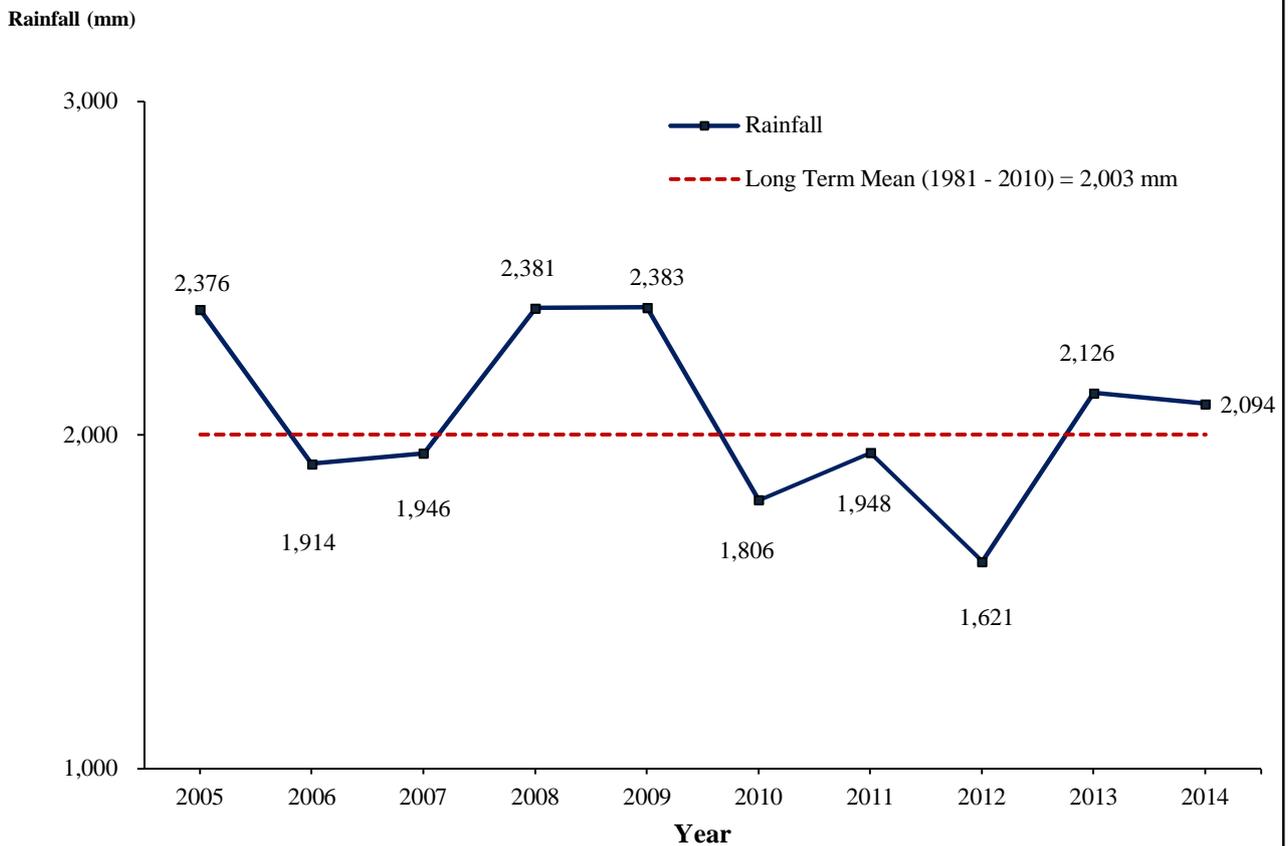


Table 1.7 - Monthly (24-hourly maximum) rainfall by station, 2005 - 2014

Millimetre

| Vacoas station | | | | | | | | | | | | |
|-----------------------|-------|-------|-------|------|-------|------|------|------|-------|-------|------|-------|
| Month Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2005 | 53.9 | 61.6 | 137.9 | 54.9 | 21.9 | 10.3 | 36.1 | 12.8 | 35.9 | 15.0 | 7.2 | 9.0 |
| 2006 | 195.8 | 99.0 | 125.4 | 14.2 | 32.0 | 11.0 | 31.4 | 9.1 | 13.1 | 9.1 | 80.2 | 10.9 |
| 2007 | 75.9 | 212.6 | 41.4 | 14.9 | 13.9 | 56.5 | 17.7 | 14.4 | 17.7 | 25.2 | 14.1 | 7.5 |
| 2008 | 50.0 | 110.3 | 155.0 | 41.2 | 116.0 | 29.1 | 39.3 | 8.4 | 103.9 | 10.2 | 45.7 | 76.2 |
| 2009 | 49.9 | 54.5 | 50.1 | 33.8 | 32.7 | 14.3 | 46.6 | 11.5 | 10.1 | 102.9 | 83.8 | 74.5 |
| 2010 | 46.6 | 58.8 | 22.3 | 33.1 | 21.8 | 12.3 | 26.9 | 28.4 | 22.7 | 10.0 | 59.7 | 3.6 |
| 2011 | 96.0 | 94.4 | 84.8 | 7.3 | 38.6 | 84.6 | 9.5 | 20.4 | 10.4 | 11.2 | 44.9 | 94.2 |
| 2012 | 22.2 | 55.7 | 57.0 | 60.0 | 74.6 | 22.1 | 9.2 | 10.1 | 8.7 | 9.0 | 23.1 | 21.4 |
| 2013 | 43.6 | 59.2 | 201.8 | 54.7 | 11.0 | 14.6 | 8.2 | 30.0 | 15.7 | 19.9 | 88.5 | 15.5 |
| 2014 | 83.6 | 38.0 | 99.1 | 54.3 | 32.8 | 8.7 | 19.6 | 16.7 | 19.1 | 11.8 | 17.5 | 56.3 |
| Pamplemousses station | | | | | | | | | | | | |
| Month Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2005 | 32.5 | 69.2 | 112.1 | 7.5 | 12.0 | 13.0 | 26.0 | 12.8 | 13.7 | 26.2 | 5.3 | 18.9 |
| 2006 | 129.3 | 111.8 | 139.6 | 10.7 | 38.6 | 56.5 | 36.5 | 12.5 | 17.5 | 3.3 | 35.3 | 8.5 |
| 2007 | 32.4 | 75.8 | 27.8 | 15.0 | 32.8 | 68.1 | 15.3 | 7.9 | 8.7 | 30.3 | 33.8 | 11.7 |
| 2008 | 83.1 | 56.0 | 130.1 | 3.5 | 54.2 | 32.4 | 13.8 | 9.0 | 104.0 | 15.5 | 37.0 | 12.0 |
| 2009 | 43.2 | 109.2 | 56.5 | 35.0 | 15.4 | 14.5 | 20.5 | 24.0 | 15.1 | 54.0 | 62.5 | 125.0 |
| 2010 | 56.0 | 36.0 | 50.5 | 28.3 | 26.0 | 17.0 | 10.5 | 21.0 | 9.5 | 12.0 | 23.7 | 10.5 |
| 2011 | 42.5 | 83.0 | 109.0 | 32.2 | 18.5 | 74.2 | 11.8 | 23.0 | 5.1 | 4.8 | 21.0 | 36.0 |
| 2012 | 20.0 | 29.0 | 61.0 | 27.5 | 45.5 | 17.2 | 15.0 | 7.0 | 3.5 | 9.5 | 21.0 | 41.6 |
| 2013 | 28.0 | 113.0 | 59.2 | 28.6 | 10.8 | 6.9 | 3.6 | 13.2 | 7.5 | 33.0 | 50.2 | 55.0 |
| 2014 | 45.0 | 31.0 | 105.6 | 69.0 | 80.0 | 3.7 | 4.2 | 13.0 | 6.5 | 44.0 | 13.0 | 45.0 |
| Fuel station | | | | | | | | | | | | |
| Month Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2005 | 49.2 | 67.8 | 133.4 | 31.7 | 21.7 | 89.2 | 84.9 | 16.4 | 61.4 | 9.8 | 10.2 | 11.4 |
| 2006 | 100.9 | 135.8 | 154.2 | 11.8 | 30.8 | 11.4 | 45.3 | 29.2 | 62.4 | 9.9 | 51.4 | 13.1 |
| 2007 | 74.6 | 55.8 | 80.2 | 14.2 | 36.2 | 81.6 | 17.4 | 20.4 | 29.8 | 28.6 | 30.6 | 11.4 |
| 2008 | 119.2 | 50.2 | 321.0 | 12.5 | 84.2 | 39.8 | 23.4 | 13.4 | 164.0 | 23.6 | 59.2 | 30.2 |
| 2009 | 46.8 | 88.4 | 75.8 | 53.8 | 38.2 | 29.7 | 33.9 | 40.3 | 38.6 | 121.0 | 85.9 | 96.4 |
| 2010 | 124.6 | 67.2 | 84.0 | 63.6 | 37.4 | 13.6 | 31.5 | 49.8 | 30.2 | 20.4 | 81.0 | 5.2 |
| 2011 | 251.7 | 99.0 | 218.2 | 37.2 | 25.9 | 80.2 | 20.3 | 34.7 | 62.0 | 22.8 | 15.9 | 55.9 |
| 2012 | 20.4 | 64.8 | 76.5 | 27.0 | 25.6 | 31.8 | 15.9 | 16.0 | 9.2 | 8.7 | 26.2 | 52.6 |
| 2013 | 36.6 | 117.1 | 56.5 | 28.0 | 14.5 | 11.0 | 10.4 | 50.3 | 11.7 | 70.7 | 39.2 | 13.0 |
| 2014 | 104.0 | 63.5 | 98.3 | 85.8 | 25.0 | 23.5 | 13.0 | 33.5 | 17.5 | 22.5 | 16.0 | 46.0 |

Source: Mauritius Meteorological Services

Table 1.7 (cont'd) - Monthly (24-hourly maximum) rainfall by station, 2005 - 2014

Millimetre

| Plaisance station | | | | | | | | | | | | |
|-------------------|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|------|
| Month Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2005 | 73.6 | 103.7 | 107.4 | 49.7 | 22.8 | 50.3 | 20.1 | 8.9 | 24.5 | 6.8 | 16.9 | 36.1 |
| 2006 | 101.0 | 108.0 | 185.1 | 26.2 | 14.9 | 14.8 | 23.7 | 23.9 | 8.5 | 6.2 | 13.7 | 8.6 |
| 2007 | 63.0 | 60.9 | 60.8 | 19.1 | 20.2 | 58.5 | 27.4 | 21.1 | 16.9 | 24.8 | 9.0 | 8.3 |
| 2008 | 31.3 | 44.6 | 135.1 | 22.6 | 138.2 | 70.5 | 7.1 | 12.6 | 108.7 | 9.0 | 68.9 | 30.5 |
| 2009 | 57.7 | 41.7 | 52.5 | 128.0 | 44.4 | 28.2 | 11.7 | 52.3 | 15.1 | 73.2 | 92.5 | 58.7 |
| 2010 | 82.5 | 75.2 | 75.4 | 99.5 | 14.4 | 7.2 | 18.4 | 10.7 | 16.2 | 3.1 | 18.8 | 4.2 |
| 2011 | 49.4 | 124.3 | 65.3 | 6.3 | 29.5 | 49.9 | 17.6 | 36.7 | 11.6 | 12.9 | 15.2 | 94.2 |
| 2012 | 11.2 | 51.1 | 143.4 | 38.4 | 32.5 | 5.1 | 16.1 | 9.3 | 5.0 | 4.8 | 37.1 | 81.4 |
| 2013 | 30.2 | 159.1 | 118.6 | 20.4 | 5.0 | 36.1 | 29.7 | 25.6 | 5.1 | 33.3 | 71.8 | 55.1 |
| 2014 | 55.1 | 37.3 | 76.7 | 47.6 | 27.6 | 38.5 | 7.5 | 17.5 | 7.4 | 21.8 | 12.3 | 66.4 |
| Medine Station | | | | | | | | | | | | |
| Month Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2005 | 76.0 | 85.3 | 136.4 | 14.0 | 25.0 | 3.9 | 4.0 | 3.2 | 52.1 | 0.0 | 0.0 | 2.2 |
| 2006 | 62.5 | 63.9 | 82.2 | 0.0 | 15.5 | 5.3 | 6.5 | 1.0 | 13.0 | 0.0 | 25.5 | 12.5 |
| 2007 | 41.8 | 89.2 | 24.0 | 0.0 | 0.0 | 60.0 | 4.5 | 17.2 | 7.5 | 37.8 | 8.6 | 20.0 |
| 2008 | 40.8 | 37.5 | 61.6 | 0.0 | 36.2 | 19.0 | 5.2 | 14.0 | 80.0 | 6.2 | 18.4 | 27.0 |
| 2009 | 32.5 | 19.8 | 42.5 | 28.5 | 7.0 | 15.2 | 7.5 | 6.0 | 5.5 | 135.0 | 104.0 | 44.0 |
| 2010 | 40.0 | 60.3 | 38.5 | 22.1 | 8.4 | 1.6 | 6.1 | 10.5 | 1.3 | 1.4 | 27.5 | 10.0 |
| 2011 | 64.5 | 80.0 | 37.0 | 3.8 | 78.0 | 64.0 | 2.2 | 10.0 | 1.5 | 0.0 | 15.4 | 13.3 |
| 2012 | 28.3 | 22.0 | 34.3 | 18.0 | 86.4 | 2.0 | 3.5 | 4.0 | 0.0 | 16.0 | 22.0 | 55.5 |
| 2013 | 27.0 | 44.0 | 103.5 | 16.0 | 13.0 | 3.0 | 2.0 | 24.7 | 0.0 | 37.0 | 52.0 | 20.0 |
| 2014 | 70.0 | 43.8 | 45.0 | 78.5 | 5.0 | 0.0 | 5.0 | 24.0 | 4.2 | 7.0 | 5.0 | 33.0 |

Source: Mauritius Meteorological Services

Table 1.8 - Monthly mean relative humidity (%) with extremes, 2014

| Region | Station | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
|--------|---------------|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| North | Pamplemousses | Mean | 79 | 85 | 78 | 86 | 76 | 73 | 75 | 71 | 67 | 74 | 77 | 75 | |
| | | LTM ¹ | 82 | 83 | 82 | 83 | 83 | 81 | 81 | 81 | 80 | 78 | 78 | 77 | 79 |
| | | Highest | 96 | 96 | 92 | 96 | 95 | 91 | 95 | 95 | 96 | 96 | 90 | 89 | 92 |
| | | Lowest | 54 | 71 | 50 | 62 | 53 | 49 | 54 | 54 | 49 | 48 | 53 | 54 | 53 |
| South | Plaisance | Mean | 80 | 81 | 79 | 79 | 75 | 73 | 76 | 71 | 71 | 74 | 77 | 82 | |
| | | LTM | 81 | 83 | 83 | 82 | 79 | 77 | 77 | 77 | 76 | 77 | 76 | 77 | 79 |
| | | Highest | 97 | 95 | 95 | 95 | 95 | 96 | 95 | 95 | 97 | 95 | 95 | 97 | 96 |
| | | Lowest | 52 | 59 | 53 | 43 | 44 | 51 | 52 | 52 | 48 | 48 | 49 | 50 | 58 |
| East | FUEL | Mean | 76 | 78 | 86 | 80 | 73 | 72 | 77 | 75 | 74 | 73 | 70 | 77 | |
| | | LTM | 83 | 86 | 84 | 85 | 83 | 81 | 82 | 81 | 81 | 81 | 81 | 83 | |
| | | Highest | 92 | 90 | 88 | 90 | 90 | 93 | 94 | 94 | 86 | 93 | 85 | 84 | 98 |
| | | Lowest | 60 | 63 | 68 | 50 | 40 | 50 | 50 | 53 | 62 | 62 | 64 | 62 | 61 |
| West | Medine | Mean | 76 | 77 | 76 | 77 | 74 | 71 | 73 | 72 | 70 | 71 | 71 | 80 | |
| | | LTM | 80 | 81 | 79 | 78 | 78 | 77 | 76 | 76 | 76 | 75 | 75 | 76 | 78 |
| | | Highest | 96 | 96 | 91 | 96 | 93 | 91 | 95 | 95 | 95 | 91 | 96 | 96 | 96 |
| | | Lowest | 52 | 51 | 56 | 45 | 49 | 43 | 51 | 51 | 43 | 40 | 46 | 48 | 62 |
| Centre | Vacoas | Mean | 85 | 84 | 84 | 85 | 83 | 81 | 85 | 81 | 79 | 80 | 81 | 86 | |
| | | LTM | 84 | 86 | 85 | 85 | 84 | 83 | 83 | 83 | 82 | 82 | 81 | 80 | 82 |
| | | Highest | 98 | 98 | 99 | 100 | 99 | 99 | 99 | 99 | 98 | 99 | 98 | 98 | 99 |
| | | Lowest | 56 | 55 | 48 | 54 | 45 | 49 | 49 | 57 | 53 | 55 | 55 | 51 | 60 |

Source : Meteorological Services

¹ LTM : Long Term Mean (1981 - 2010)

Table 1.9 - Mean monthly and extreme values of mean sea level atmospheric pressure at Plaisance aeronautical station, 2005 - 2014

| Year Month | | hPa | | | | | | | | | |
|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| January | Mean | 1,014.0 | 1,015.0 | 1,014.3 | 1,012.4 | 1,012.0 | 1,010.8 | 1,011.3 | 1,011.1 | 1,013.6 | 1,013.6 |
| | Highest | 1,018.6 | 1,020.0 | 1,018.0 | 1,017.6 | 1,016.1 | 1,015.0 | 1,014.8 | 1,015.6 | 1,018.2 | 1,017.8 |
| | Lowest | 1,006.4 | 1,009.1 | 1,010.2 | 996.8 | 1,006.7 | 1,001.2 | 1,004.1 | 1,005.4 | 1,005.9 | 1,004.3 |
| February | Mean | 1,009.0 | 1,013.2 | 1,007.7 | 1,011.4 | 1,010.7 | 1,011.9 | 1,010.0 | 1,009.9 | 1,011.3 | 1,010.6 |
| | Highest | 1,013.6 | 1,012.4 | 1,014.8 | 1,017.3 | 1,016.0 | 1,015.9 | 1,014.4 | 1,015.4 | 1,014.5 | 1,018.4 |
| | Lowest | 1,003.2 | 1,007.6 | 1,000.1 | 999.1 | 1,003.8 | 1,005.8 | 1,005.4 | 1,001.5 | 1,005.1 | 1,000.2 |
| March | Mean | 1,010.1 | 1,013.2 | 1,013.9 | 1,012.4 | 1,013.0 | 1,014.1 | 1,012.8 | 1,013.5 | 1,014.0 | 1,013.4 |
| | Highest | 1,015.2 | 1,018.3 | 1,020.1 | 1,018.5 | 1,017.4 | 1,017.7 | 1,017.5 | 1,020.0 | 1,018.6 | 1,018.6 |
| | Lowest | 990.4 | 1,005.7 | 1,006.7 | 1,000.9 | 1,009.6 | 1,010.7 | 1,006.6 | 1,004.8 | 1,008.8 | 1,006.9 |
| April | Mean | 1,014.1 | 1,015.6 | 1,016.1 | 1,015.9 | 1,014.4 | 1,016.6 | 1,015.5 | 1,014.7 | 1,014.3 | 1,015.7 |
| | Highest | 1,018.5 | 1,019.1 | 1,019.8 | 1,020.1 | 1,019.2 | 1,022.0 | 1,019.6 | 1,019.2 | 1,019.1 | 1,020.6 |
| | Lowest | 1,006.5 | 1,010.9 | 1,011.9 | 1,011.9 | 1,006.3 | 1,012.0 | 1,010.3 | 1,009.5 | 1,007.0 | 1,008.9 |
| May | Mean | 1,018.1 | 1,017.0 | 1,018.4 | 1,017.6 | 1,015.9 | 1,016.9 | 1,017.0 | 1,018.1 | 1,018.8 | 1,017.7 |
| | Highest | 1,022.4 | 1,022.6 | 1,022.1 | 1,021.8 | 1,020.9 | 1,021.8 | 1,021.9 | 1,025.1 | 1,023.4 | 1,025.0 |
| | Lowest | 1,012.8 | 1,011.1 | 1,013.4 | 1,011.3 | 1,010.9 | 1,010.1 | 1,012.4 | 1,012.8 | 1,013.7 | 1,011.4 |
| June | Mean | 1,020.5 | 1,020.6 | 1,018.8 | 1,020.1 | 1,019.4 | 1,020.2 | 1,018.4 | 1,020.7 | 1,020.2 | 1,020.5 |
| | Highest | 1,023.5 | 1,026.3 | 1,025.9 | 1,026.8 | 1,022.8 | 1,024.0 | 1,022.4 | 1,026.0 | 1,025.9 | 1,026.3 |
| | Lowest | 1,015.6 | 1,015.6 | 1,013.2 | 1,010.3 | 1,014.5 | 1,013.4 | 1,014.3 | 1,015.4 | 1,015.9 | 1,015.9 |
| July | Mean | 1,022.7 | 1,023.1 | 1,020.7 | 1,022.1 | 1,022.2 | 1,020.2 | 1,019.1 | 1,020.3 | 1,020.1 | 1,022.5 |
| | Highest | 1,027.9 | 1,028.9 | 1,025.2 | 1,026.5 | 1,028.2 | 1,024.8 | 1,023.8 | 1,023.9 | 1,025.1 | 1,027.1 |
| | Lowest | 1,017.1 | 1,017.6 | 1,016.6 | 1,016.5 | 1,017.6 | 1,015.2 | 1,012.1 | 1,016.2 | 1,014.9 | 1,013.6 |
| August | Mean | 1,022.6 | 1,022.0 | 1,021.3 | 1,020.5 | 1,021.8 | 1,021.6 | 1,020.1 | 1,021.8 | 1,021.8 | 1,021.3 |
| | Highest | 1,027.4 | 1,025.4 | 1,026.5 | 1,025.1 | 1,026.9 | 1,025.4 | 1,025.3 | 1,025.4 | 1,026.0 | 1,026.8 |
| | Lowest | 1,012.4 | 1,017.6 | 1,016.2 | 1,016.6 | 1,015.8 | 1,017.2 | 1,015.2 | 1,017.1 | 1,017.8 | 1,013.5 |
| September | Mean | 1,022.0 | 1,021.9 | 1,021.2 | 1,019.9 | 1,021.3 | 1,019.6 | 1,021.0 | 1,022.0 | 1,020.6 | 1,021.5 |
| | Highest | 1,025.9 | 1,022.6 | 1,027.5 | 1,023.8 | 1,028.0 | 1,024.8 | 1,025.9 | 1,026.3 | 1,024.6 | 1,027.8 |
| | Lowest | 1,015.0 | 1,011.1 | 1,015.0 | 1,014.1 | 1,015.7 | 1,014.3 | 1,016.0 | 1,014.9 | 1,015.9 | 1,013.1 |
| October | Mean | 1,019.9 | 1,021.2 | 1,019.9 | 1,018.7 | 1,018.6 | 1,017.9 | 1,017.0 | 1,018.8 | 1,019.7 | 1,018.4 |
| | Highest | 1,024.8 | 1,026.1 | 1,024.0 | 1,022.2 | 1,022.2 | 1,021.4 | 1,024.4 | 1,023.4 | 1,025.9 | 1,022.7 |
| | Lowest | 1,014.7 | 1,016.8 | 1,015.1 | 1,014.6 | 1,013.2 | 1,008.2 | 1,008.9 | 1,013.7 | 1,009.5 | 1,014.0 |
| November | Mean | 1,018.2 | 1,016.9 | 1,016.7 | 1,015.2 | 1,015.2 | 1,016.6 | 1,015.5 | 1,015.7 | 1,015.5 | 1,015.8 |
| | Highest | 1,025.8 | 1,022.6 | 1,020.5 | 1,021.2 | 1,022.4 | 1,023.6 | 1,020.2 | 1,020.1 | 1,019.4 | 1,022.0 |
| | Lowest | 1,010.9 | 1,011.1 | 1,012.9 | 1,010.3 | 1,007.8 | 1,010.9 | 1,010.7 | 1,011.0 | 1,011.1 | 1,003.6 |
| December | Mean | 1,015.1 | 1,015.9 | 1,012.6 | 1,013.5 | 1,013.8 | 1,012.9 | 1,012.4 | 1,013.3 | 1,013.4 | 1,013.7 |
| | Highest | 1,020.1 | 1,019.2 | 1,019.0 | 1,018.6 | 1,018.1 | 1,017.4 | 1,019.7 | 1,017.4 | 1,019.4 | 1,018.4 |
| | Lowest | 1,011.4 | 1,010.8 | 1,002.6 | 1,009.3 | 1,006.9 | 1,001.0 | 1,008.1 | 1,007.1 | 1,011.1 | 1,005.4 |

Source: Mauritius Meteorological Services

Table 1.10 - Monthly mean wind speed ¹ and highest gusts ² at Plaisance aeronautical station, 2005 - 2014

| Year Month | | km/hr | | | | | | | | | |
|------------------|-----------------|-------|------|-------|------|------|------|------|------|------|------|
| | | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| January | Mean Wind Speed | 13.9 | 17.1 | 17.1 | 19.0 | 9.5 | 11.4 | 15.2 | 13.3 | 19.0 | 17.1 |
| | Highest gust | 55.1 | 59.2 | 59.5 | 62.4 | 54.5 | 59.5 | 48.0 | 52.4 | 83.2 | 72.0 |
| February | Mean Wind Speed | 11.6 | 17.1 | 22.8 | 19.0 | 17.1 | 13.3 | 13.3 | 13.3 | 12.5 | 15.2 |
| | Highest gust | 64.0 | 58.0 | 109.4 | 91.2 | 89.6 | 51.5 | 52.8 | 73.0 | 99.8 | 84.8 |
| March | Mean Wind Speed | 10.7 | 17.1 | 15.2 | 17.1 | 13.3 | 13.3 | 11.4 | 19.0 | 15.0 | 14.3 |
| | Highest gust | 85.5 | 81.6 | 33.0 | 61.1 | 78.4 | 59.5 | 60.8 | 62.2 | 57.6 | 51.2 |
| April | Mean Wind Speed | 10.5 | 13.3 | 19.0 | 13.3 | 15.2 | 13.3 | 15.2 | 17.1 | 19.6 | 15.2 |
| | Highest gust | 53.0 | 52.8 | 32.2 | 41.8 | 54.4 | 57.9 | 51.2 | 54.4 | 59.2 | 65.6 |
| May | Mean Wind Speed | 15.9 | 13.3 | 15.2 | 13.3 | 13.3 | 17.1 | 9.5 | 15.2 | 15.6 | 16.0 |
| | Highest gust | 56.0 | 45.0 | 53.1 | 56.3 | 65.6 | 56.3 | 48.0 | 59.2 | 60.8 | 59.2 |
| June | Mean Wind Speed | 13.6 | 17.1 | 17.1 | 19.0 | 13.3 | 17.1 | 13.3 | 18.8 | 17.1 | 16.3 |
| | Highest gust | 53.0 | 64.0 | 59.5 | 66.0 | 51.2 | 67.6 | 48.0 | 59.2 | 60.8 | 56.0 |
| July | Mean Wind Speed | 15.5 | 20.9 | 19.0 | 20.9 | 19.0 | 19.0 | 15.2 | 18.4 | 15.2 | 20.1 |
| | Highest gust | 64.8 | 70.8 | 64.0 | 75.2 | 67.6 | 59.2 | 54.4 | 57.6 | 52.8 | 59.2 |
| August | Mean Wind Speed | 18.8 | 17.1 | 20.9 | 15.2 | 19.0 | 20.9 | 17.1 | 20.9 | 20.0 | 19.0 |
| | Gust | 61.1 | 56.3 | 65.6 | 56.2 | 60.8 | 62.7 | 59.2 | 62.4 | 62.4 | 64.0 |
| September | Mean Wind Speed | 20.7 | 19.0 | 20.9 | 19.0 | 17.1 | 15.2 | 17.1 | 20.9 | 19.0 | 17.7 |
| | Highest gust | 62.9 | 56.3 | 62.7 | 51.2 | 67.2 | 52.8 | 57.6 | 59.2 | 43.1 | 72.0 |
| October | Mean Wind Speed | 18.2 | 20.9 | 20.9 | 19.0 | 15.2 | 17.1 | 15.2 | 20.9 | 17.9 | 17.7 |
| | Highest gust | 55.5 | 64.3 | 54.4 | 57.6 | 54.4 | 56.3 | 49.6 | 56.0 | 54.4 | 45.9 |
| November | Mean Wind Speed | 17.7 | 19.0 | 17.1 | 15.2 | 15.2 | 15.2 | 15.2 | 16.0 | 11.6 | 16.3 |
| | Highest gust | 66.6 | 54.7 | 48.0 | 49.6 | 52.8 | 49.6 | 44.8 | 43.2 | 49.6 | 62.4 |
| December | Mean Wind Speed | 14.8 | 19.0 | 19.0 | 13.3 | 15.2 | 15.2 | 13.3 | 16.0 | 12.4 | 11.8 |
| | Highest gust | 50.0 | 59.2 | 75.2 | 48.0 | 59.2 | 44.8 | 44.8 | 52.8 | 52.8 | 48.0 |

Source: Mauritius Meteorological Services

¹ 10 minutes mean speed² 3 seconds gusts

Table 1.11 - Monthly total hours of sunshine by region and station, 2005 - 2014

Hours

| Region : North Station : Pamplemousses | | | | | | | | | | | | | Yearly Total |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Yearly Total |
| 2005 | 279 | 143 | 175 | 271 | 212 | 256 | 209 | 267 | 241 | 257 | 240 | 275 | 2,823 |
| 2006 | 273 | 240 | 211 | 245 | 243 | 250 | 248 | 255 | 240 | 274 | 239 | 283 | 2,999 |
| 2007 | 187 | 156 | 219 | 236 | 225 | 187 | 240 | 239 | 256 | 236 | 290 | 285 | 2,755 |
| 2008 | 234 | 204 | 217 | 266 | 216 | 211 | 234 | 230 | 218 | 269 | 246 | 262 | 2,806 |
| 2009 | 248 | 193 | 218 | 201 | 248 | 239 | 216 | 216 | 229 | 258 | 248 | 232 | 2,745 |
| 2010 | 200 | 230 | 199 | 273 | 233 | 199 | 216 | 233 | 214 | 268 | 245 | 314 | 2,822 |
| 2011 | 237 | 190 | 237 | 236 | 252 | 252 | 248 | 233 | 256 | 288 | 273 | 195 | 2,895 |
| 2012 | 253 | 215 | 213 | 230 | 223 | 182 | 233 | 197 | 210 | 231 | 214 | 220 | 2,622 |
| 2013 | 222 | 152 | 210 | 241 | 253 | 251 | 251 | 258 | 258 | 262 | 259 | 277 | 2,892 |
| 2014 | 212 | 209 | 236 | 246 | 257 | 248 | 212 | 225 | 230 | 279 | 281 | 216 | 2,850 |
| Long Term Mean (1981-2010) | 242 | 212 | 231 | 230 | 233 | 225 | 230 | 243 | 231 | 260 | 256 | 246 | 2,839 |
| Region: East Station: Fuel | | | | | | | | | | | | | Yearly Total |
| 2005 | 267 | 145 | 188 | 254 | 165 | 185 | 175 | 225 | 182 | 210 | 212 | 271 | 2,480 |
| 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 | 2,217 |
| 2008 | 176 | 165 | 177 | 224 | 181 | 173 | 205 | 169 | 158 | 227 | 201 | 235 | 2,289 |
| 2009 | 247 | 193 | 183 | 165 | 197 | 204 | 173 | 167 | 202 | 203 | 185 | 234 | 2,351 |
| 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 | 2,276 |
| 2013 | 185 | 135 | 178 | 153 | 213 | 200 | 205 | 215 | 231 | 222 | 234 | 266 | 2,436 |
| 2014 | 171 | 195 | 227 | 214 | 201 | 171 | 165 | 202 | 213 | 223 | 207 | 168 | 2,357 |
| Long Term Mean (1981-2010) | 212 | 185 | 203 | 183 | 190 | 184 | 182 | 190 | 187 | 207 | 221 | 217 | 2,360 |
| Region : West Station : Medine | | | | | | | | | | | | | Yearly Total |
| 2005 | 300 | 198 | 198 | 270 | 223 | 222 | 205 | 256 | 219 | 262 | 254 | 277 | 2,883 |
| 2006 | 246 | 212 | 222 | 217 | 258 | 251 | 249 | 236 | 224 | 254 | 205 | 251 | 2,824 |
| 2007 | 185 | 176 | 224 | 228 | 227 | 188 | 250 | 250 | 252 | 222 | 269 | 259 | 2,731 |
| 2008 | 208 | 195 | 229 | 253 | 223 | 197 | 239 | 197 | 201 | 254 | 242 | 252 | 2,691 |
| 2009 | 257 | 198 | 195 | 201 | 235 | 238 | 204 | 225 | 225 | 211 | 248 | 233 | 2,669 |
| 2010 | 206 | 230 | 235 | 261 | 266 | 233 | 224 | 220 | 231 | 284 | 270 | 287 | 2,946 |
| 2011 | 221 | 214 | 223 | 234 | 257 | 229 | 253 | 206 | 253 | 271 | 252 | 206 | 2,818 |
| 2012 | 273 | 230 | 224 | 245 | 245 | 208 | 237 | 224 | 228 | 253 | 230 | 235 | 2,832 |
| 2013 | 221 | 162 | 229 | 242 | 274 | 242 | 255 | 267 | 271 | 243 | 266 | 262 | 2,933 |
| 2014 | 222 | 206 | 252 | 253 | 260 | 252 | 234 | 253 | 257 | 275 | 235 | 198 | 2,895 |
| Long Term Mean (1981-2010) | 231 | 204 | 225 | 216 | 234 | 221 | 226 | 229 | 219 | 241 | 237 | 239 | 2,722 |

Source: Mauritius Meteorological Services

Table 1.11 (cont'd) - Monthly total hours of sunshine by region and station, 2005 - 2014

| Hour | | | | | | | | | | | | | |
|-----------------------------------|------------|------------|------------|------------|------------|---------------------|------------|------------|------------|------------|------------|------------|--------------|
| Region : Centre | | | | | | Station : Vacoas | | | | | | | |
| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Yearly Total |
| 2005 | 289 | 148 | 167 | 245 | 208 | 225 | 200 | 235 | 212 | 237 | 216 | 258 | 2,641 |
| 2006 | 268 | 203 | 200 | 227 | 238 | 229 | 218 | 220 | 225 | 265 | 229 | 281 | 2,804 |
| 2007 | 185 | 155 | 213 | 218 | 219 | 205 | 245 | 239 | 240 | 232 | 272 | 288 | 2,710 |
| 2008 | 230 | 194 | 220 | 259 | 221 | 184 | 226 | 214 | 227 | 269 | 222 | 260 | 2,725 |
| 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 | 2,680 |
| 2011 | 209 | 178 | 212 | 225 | 224 | 219 | 229 | 207 | 225 | 272 | 223 | 181 | 2,605 |
| 2012 | 242 | 213 | 216 | 223 | 219 | 185 | 221 | 200 | 222 | 223 | 196 | 223 | 2,582 |
| 2013 | 204 | 136 | 217 | 214 | 236 | 229 | 243 | 246 | 259 | 235 | 208 | 248 | 2,675 |
| 2014 | 199 | 203 | 247 | 249 | 247 | 250 | 231 | 240 | 261 | 287 | 240 | 157 | 2,810 |
| Long Term Mean (1981-2010) | 225 | 193 | 220 | 210 | 226 | 217 | 219 | 222 | 216 | 240 | 239 | 231 | 2,658 |
| Region : South | | | | | | Station : Plaisance | | | | | | | |
| 2005 | 282 | 154 | 175 | 240 | 162 | 165 | 148 | 225 | 182 | 214 | 208 | 286 | 2,441 |
| 2006 | 259 | 218 | 186 | 222 | 219 | 166 | 173 | 175 | 222 | 240 | 231 | 262 | 2,572 |
| 2007 | 155 | 165 | 218 | 188 | 184 | 137 | 186 | 167 | 219 | 198 | 286 | 293 | 2,397 |
| 2008 | 233 | 222 | 213 | 248 | 186 | 155 | 184 | 165 | 184 | 249 | 256 | 297 | 2,593 |
| 2009 | 281 | 197 | 216 | 156 | 184 | 194 | 143 | 162 | 222 | 216 | 221 | 256 | 2,449 |
| 2010 | 204 | 195 | 187 | 247 | 213 | 191 | 184 | 175 | 179 | 241 | 274 | 326 | 2,615 |
| 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 | 2,487 |
| 2013 | 235 | 147 | 206 | 156 | 179 | 161 | 167 | 188 | 244 | 224 | 258 | 285 | 2,450 |
| 2014 | 227 | 204 | 242 | 212 | 196 | 160 | 145 | 177 | 228 | 260 | 250 | 198 | 2,498 |
| Long Term Mean (1981-2010) | 240 | 203 | 211 | 194 | 193 | 174 | 170 | 185 | 197 | 230 | 251 | 251 | 2,499 |

Source: Mauritius Meteorological Services

Table 1.12 - Gross storage capacity and characteristics of reservoirs and major lakes

| 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 | | | |

| Lake | Gross capacity (Mm ³) | Maximum water spread area (km ²) | Full lake level, m (a.m.s.l.) ² |
|--------------|-----------------------------------|--|--|
| Grand Bassin | ... | 0.087 | ... |
| Bassin Blanc | ... | 0.037 | ... |

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

¹ Based on hydrographic survey of 1997

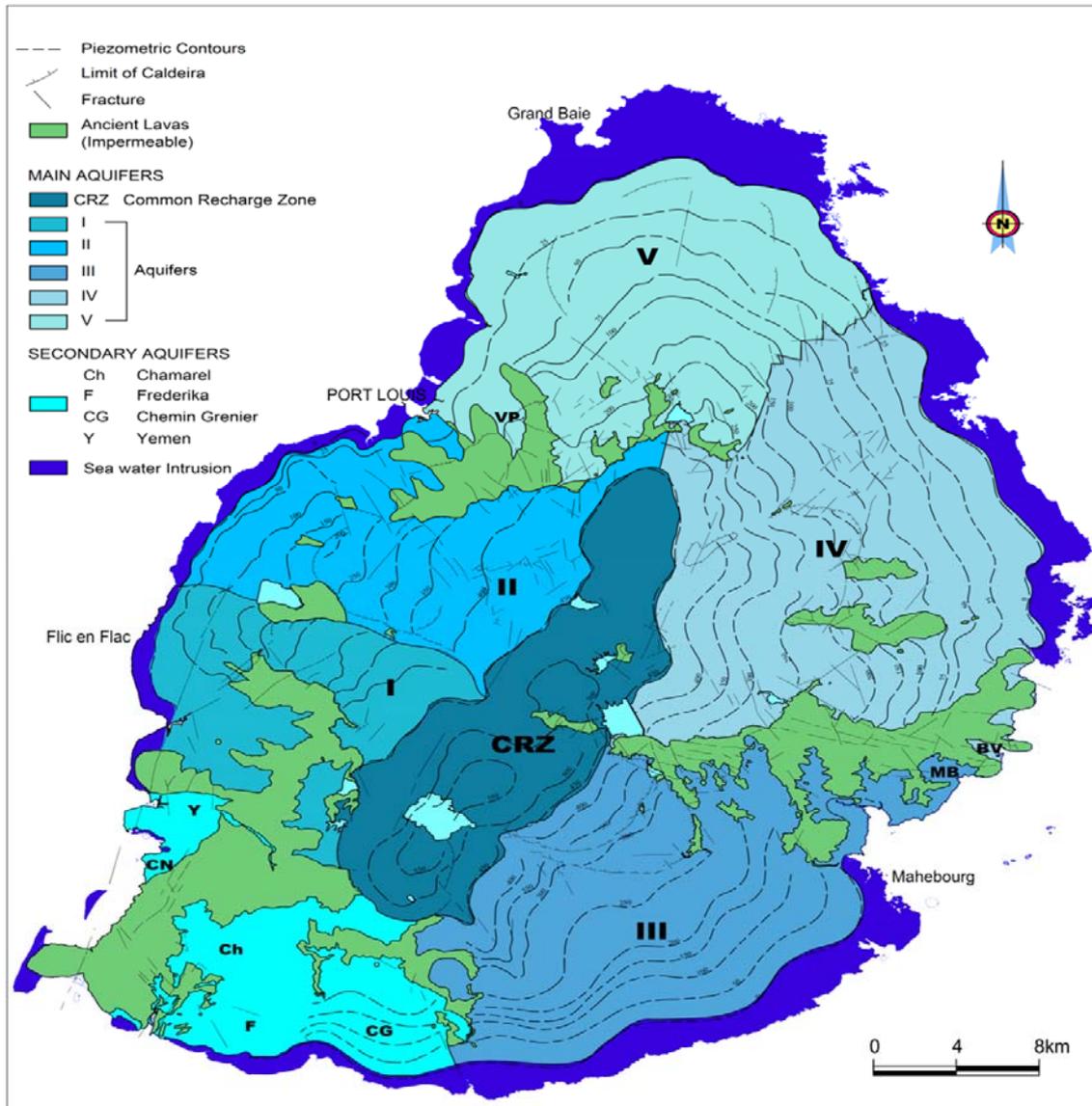
² a.m.s.l : above mean sea level

Table 1.13- Percentage water level by month and reservoir, 2013 - 2014

| | | | | | | | | | | | | | % |
|--|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Month | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| Mare aux Vacoas (Capacity 25.89 Mm³) | | | | | | | | | | | | | |
| Normal¹ | | 60 | 65 | 80 | 83 | 83 | 81 | 79 | 80 | 78 | 72 | 63 | 58 |
| 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 |
| 2014 | Mean | 65 | 72 | 77 | 86 | 90 | 84 | 80 | 82 | 77 | 68 | 58 | 56 |
| | Min | 56 | 67 | 72 | 81 | 87 | 80 | 78 | 81 | 74 | 63 | 54 | 53 |
| | Max | 67 | 74 | 84 | 90 | 92 | 87 | 82 | 83 | 81 | 73 | 63 | 63 |
| La Nicoliere (Capacity 5.26 Mm³) | | | | | | | | | | | | | |
| Normal | | 63 | 75 | 91 | 92 | 95 | 94 | 93 | 94 | 89 | 69 | 46 | 39 |
| 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 |
| 2014 | Mean | 84 | 91 | 88 | 94 | 98 | 68 | 61 | 82 | 74 | 50 | 39 | 62 |
| | Min | 57 | 81 | 78 | 82 | 84 | 58 | 58 | 73 | 60 | 43 | 30 | 39 |
| | Max | 100 | 100 | 100 | 100 | 100 | 84 | 72 | 87 | 83 | 60 | 48 | 97 |
| Piton du Milieu (Capacity 2.99 Mm³) | | | | | | | | | | | | | |
| Normal | | 64 | 72 | 88 | 89 | 91 | 86 | 83 | 83 | 81 | 73 | 60 | 57 |
| 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 |
| 2014 | Mean | 93 | 99 | 99 | 99 | 98 | 88 | 77 | 87 | 83 | 67 | 50 | 55 |
| | Min | 61 | 98 | 99 | 97 | 95 | 81 | 74 | 83 | 76 | 59 | 43 | 39 |
| | Max | 100 | 100 | 100 | 100 | 100 | 94 | 83 | 88 | 88 | 76 | 58 | 96 |
| La Ferme (Capacity 11.52 Mm³) | | | | | | | | | | | | | |
| Normal | | 23 | 30 | 64 | 75 | 77 | 69 | 58 | 49 | 37 | 25 | 13 | 10 |
| 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 |
| 2014 | Mean | 67 | 88 | 90 | 89 | 87 | 77 | 64 | 57 | 51 | 38 | 29 | 28 |
| | Min | 43 | 82 | 88 | 86 | 82 | 71 | 60 | 55 | 45 | 33 | 24 | 22 |
| | Max | 82 | 91 | 91 | 91 | 90 | 81 | 70 | 60 | 55 | 45 | 33 | 45 |
| Mare Longue (Capacity 6.28 Mm³) | | | | | | | | | | | | | |
| Normal | | 32 | 48 | 73 | 75 | 77 | 73 | 65 | 63 | 58 | 46 | 28 | 20 |
| 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 |
| 2014 | Mean | 74 | 91 | 98 | 99 | 93 | 70 | 65 | 66 | 64 | 55 | 46 | 52 |
| | Min | 62 | 79 | 95 | 98 | 75 | 65 | 64 | 65 | 62 | 50 | 43 | 45 |
| | Max | 78 | 96 | 100 | 100 | 100 | 75 | 65 | 66 | 66 | 62 | 50 | 67 |
| Midlands Dam (Capacity 25.5 Mm³) | | | | | | | | | | | | | |
| 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 |
| 2014 | Mean | 56 | 71 | 86 | 99 | 99 | 98 | 88 | 86 | 81 | 65 | 50 | 46 |
| | Min | 39 | 66 | 77 | 99 | 98 | 93 | 85 | 85 | 75 | 56 | 45 | 40 |
| | Max | 64 | 76 | 100 | 100 | 100 | 99 | 92 | 87 | 85 | 75 | 56 | 60 |
| All reservoirs excluding Midlands Dam (Capacity 51.94 Mm³) | | | | | | | | | | | | | |
| Normal | | 49 | 56 | 77 | 82 | 83 | 79 | 75 | 73 | 68 | 58 | 46 | 41 |
| 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 |
| 2014 | Mean | 70 | 80 | 85 | 90 | 91 | 79 | 73 | 75 | 70 | 58 | 48 | 50 |
| | Min | 54 | 54 | 82 | 86 | 85 | 74 | 71 | 74 | 65 | 53 | 44 | 43 |
| | Max | 77 | 83 | 89 | 92 | 94 | 85 | 74 | 76 | 74 | 64 | 53 | 65 |

¹ Normal is the long term mean for 1990-1999

Figure 6 - Main aquifers



Five main aquifers :

- I. The aquifer of Curepipe/Vacoas/Flic-en-Flac commonly known as the Curepipe aquifer.
- II. Aquifer of Phoenix/Beau-Bassin/Albion –Moka/Coromandel.
- III. Aquifer of Nouvelle France/Rose-Belle/Plaisance.
- IV. Aquifer of Nouvelle Decouverte/Plaine des Roches/Trou d'eau Douce.
- V. Aquifer of Northern Plains.

Secondary aquifers :

- Aquifer of Chemin Grenier/Frederika (CG/F)
- Aquifer of Chamarel (Ch)
- Alluvial aquifers of Grande Riviere Noire/Sud Yemen (Y) and Vallee des Pretres (VP)
- Fractured aquifers at Chamarel (Ch) and Bambous Virieux (BV)
- Carbonated aquifers such as: Mt Bambous (MB) and West of Case Noyale (CN).

Source: Water Resources Unit

Table 1.14 - Number of mangroves planted and area covered, 2011 - 2014

| Period | No. of seedlings | Area covered (m ²) |
|---|------------------|--------------------------------|
| 2011 - 2012 | 93,250 | 45,405 |
| 2013 | 10,500 | 3,500 |
| 2014 | 300 | 150 |
| Cumulative total number of mangroves planted and area covered as at 2014 | 330,175 | 168,643 |

Source : Albion Fisheries Research Centre, Ministry of Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Islands

Table 1.15 - Fauna population, Republic of Mauritius, 2014

| Species | Mauritius | | | | | | Rodrigues | | | | | | Number |
|----------------|----------------------|-----------------|-----------------|-------------------------|------------------|--------------------------|----------------------|-----------------|-----------------|-------------------------|------------------|--------------------------|--------|
| | Total Native species | Endemic species | Extinct species | Endemic Extinct species | Existing species | Endemic Existing species | Total Native species | Endemic species | Extinct species | Endemic Extinct species | Existing species | Endemic Existing species | |
| Mammals (Bats) | 5 | 1 | 2 | - | 3 | 1 | 2 | - | 1 | - | 1 | - | |
| Land Birds | 28 | 19 | 16 | 12 | 12 | 7 | 14 | 13 | 11 | 11 | 3 | 2 | |
| Reptiles | 17 | 16 | 5 | 5 | 12 | 11 | 8 | 8 | 8 | 8 | - | - | |
| Butterflies | 30 | 5 | 4 | 1 | 26 | 4 | 10 | - | 1 | - | 9 | - | |
| Snails | 125 | 81 | 43 | 36 | 82 | 45 | 30 | 16 | 7 | 5 | 23 | 11 | |

Source: 5th National Report on the Convention on Biological Diversity, 2015

Table 1.16 - Flora population, Republic of Mauritius, 2014

| Species | Mauritius | | | | | | Rodrigues | | | | | | Number |
|------------------|----------------------|-----------------|-----------------|-------------------------|------------------|--------------------------|----------------------|-----------------|-----------------|-------------------------|------------------|--------------------------|--------|
| | Total Native species | Endemic species | Extinct species | Endemic Extinct species | Existing species | Endemic Existing species | Total Native species | Endemic species | Extinct species | Endemic Extinct species | Existing species | Endemic Existing species | |
| Flowering plants | 691 | 273 | 61 | 30 | 630 | 243 | 150 | 47 | 17 | 10 | 133 | 37 | |

Source: 5th National Report on the Convention on Biological Diversity, 2015

Table 1.17 - Status of endangered flora, 2012

| | Number |
|--|--------|
| Number of native plants species (classified as critically endangered as per International Union for Conservation of Nature criteria) | 192 |
| Of which successfully propagated | 43 |

Source: National Parks and Conservation Service

Table 1.18 - Evolution of some fauna population of endemic species, Republic of Mauritius, 2000, 2009 and 2012/2013

| Species | 2000 | 2009 | 2012 / 2013 | Trends 2009 to 2012 |
|---|--------------------------------|---|--|---------------------|
| Near Threatened | | | | |
| Rodrigues warbler (<i>Acrocephalus rodericanus</i>) (IUCN status: <i>Endangered in 2012, downlisted to Near Threatened in 2013</i>) | 150 individuals in 1999 | 3,000 individuals | 4,000 individuals | Increase |
| Vulnerable | | | | |
| Mauritius kestrel (<i>Falco punctatus</i>) | 700 individuals | +/- 600 individuals | 362 individuals | Decrease |
| Mauritius cuckoo-shrike (<i>Coracina typical</i>) | 300 - 350 pairs | > 350 pairs ¹ | 225 - 300 pairs | Decrease |
| Mauritius black bulbul (<i>Hypsipetes olivaceus</i>) | 225 - 340 pairs | 225 - 340 pairs | 800 to 1,000 individuals | Increase |
| Mauritius fruit bat (<i>Pteropus niger</i>) (IUCN status: <i>Endangered in 2012, downlisted to Vulnerable in 2013</i>) | 10,000 | 26,000 | 52,250 individuals in 2012 92,000 individuals in 2013 | Increase |
| Endangered | | | | |
| Pink pigeon (<i>Nesoenas mayeri</i>) | 400 individuals | +/- 400 individuals | 400 to 450 individuals | Stable |
| Mauritius echo parakeet (<i>Psittacula eques</i>) (IUCN status: <i>in 2007 downlisted Critically Endangered to Endangered</i>) | 120 individuals | +/- 440 individuals | 600 individuals | Increase |
| Rodrigues fody (<i>Foudia flavicans</i>) (IUCN status: <i>Vulnerable in 2012, since 2013 Near Threatened</i>) | 900 individuals in 1999 | 8,000 individuals in 2010 | Survey scheduled in 2020 | - |
| Mauritius fody (<i>Foudia rubra</i>) (IUCN status: <i>Critically Endangered in 1994, downlisted to Endangered in 2009</i>) | 105 - 125 pairs | Black River Gorges National Park population stable at 105 - 125 pairs, about 160 - 170 individuals on Ile aux Aigrettes | 420 individuals | Stable |
| Rodrigues fruit bat (<i>Peropus rodricensis</i>) | 70 < > 100 individuals in 1970 | no data | 10,000 - 15,000 individuals | Increase |
| Guenther's gecko (<i>Phelsuma guentheri</i>) | - | - | 4,000 - 6,000 individuals on Round Island | |
| Critically Endangered | | | | |
| Mauritius olive white-eye (<i>Zosterops chloronothos</i>) | < 100 pairs | < 100 pairs in Black River Gorges National Park and surrounding areas, 20 individuals on Ile aux Aigrettes | 35 individuals on Ile aux Aigrettes | Increase |
| Least Concern | | | | |
| Mauritius paradise flycatcher (<i>Erpsiphone bourbonensis desolata</i>) | 250 pairs | > 250 pairs, some increases noted | 800 individuals | Increase |

Source: 5th National Report on the Convention on Biological Diversity, 2015

¹ No new surveys conducted, but thought to have increased

Table 1.19 - 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 |
| <i>Sparse Seagrass</i> | 1,401 | ..... | ..... |
| <i>Frequent Seagrass</i> | 957 | ..... | ..... |
| <i>Abundant Seagrass</i> | 722 | ..... | ..... |
| <i>Dense Seagrass</i> | 198 | ..... | ..... |
| Coral reefs | 6,306 | 7,005 | 13,311 |
| <i>Reef flat</i> | 2,485 | ..... | ..... |
| <i>Sparse Corals</i> | 787 | ..... | ..... |
| <i>Frequent Corals</i> | 1,559 | ..... | ..... |
| <i>Abundant Corals</i> | 732 | ..... | ..... |
| <i>Dense Corals</i> | 743 | ..... | ..... |
| Mangrove | 145 | 24 | 169 |
| <i>Sparse Mangrove</i> | 5 | ..... | ..... |
| <i>Frequent Mangrove</i> | 28 | ..... | ..... |
| <i>Abundant Mangrove</i> | 70 | ..... | ..... |
| <i>Dense Mangrove</i> | 42 | ..... | ..... |
| Mud Flats | 919 | 656 | 1,575 |
| Offshore Islets | 1,269 | 181 | 1,450 |
| <i>Volcanic</i> | 1,139 | 22 | ..... |
| <i>Sand</i> | 94 | 34 | ..... |
| <i>Calcarenitic limestone</i> | 36 | 125 | ..... |
| Coastal Freshwater Marshlands | 406 | ..... | 406 |
| Upland Marsh | 65 | ..... | 65 |
| Forests with Native Content | 8,700 | ..... | 8,700 |
| <i>Very High Quality (Grade 1)</i> | 490 | ..... | ..... |
| <i>High Quality (Grade 2)</i> | 1,162 | ..... | ..... |
| <i>Low Quality (Grade 3)</i> | 7,048 | ..... | ..... |
| Steep Slopes | 45,210 | 8,051 | 53,261 |
| <i>Moderately Steep (10 - 20%)</i> | 16,352 | 3,078 | ..... |
| <i>Steep to Very Steep (> 20%)</i> | 28,858 | 4,973 | ..... |

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

Figure 7 - Map of Areal estimates for the various Environmentally Sensitive Areas by type and sub category, 2009

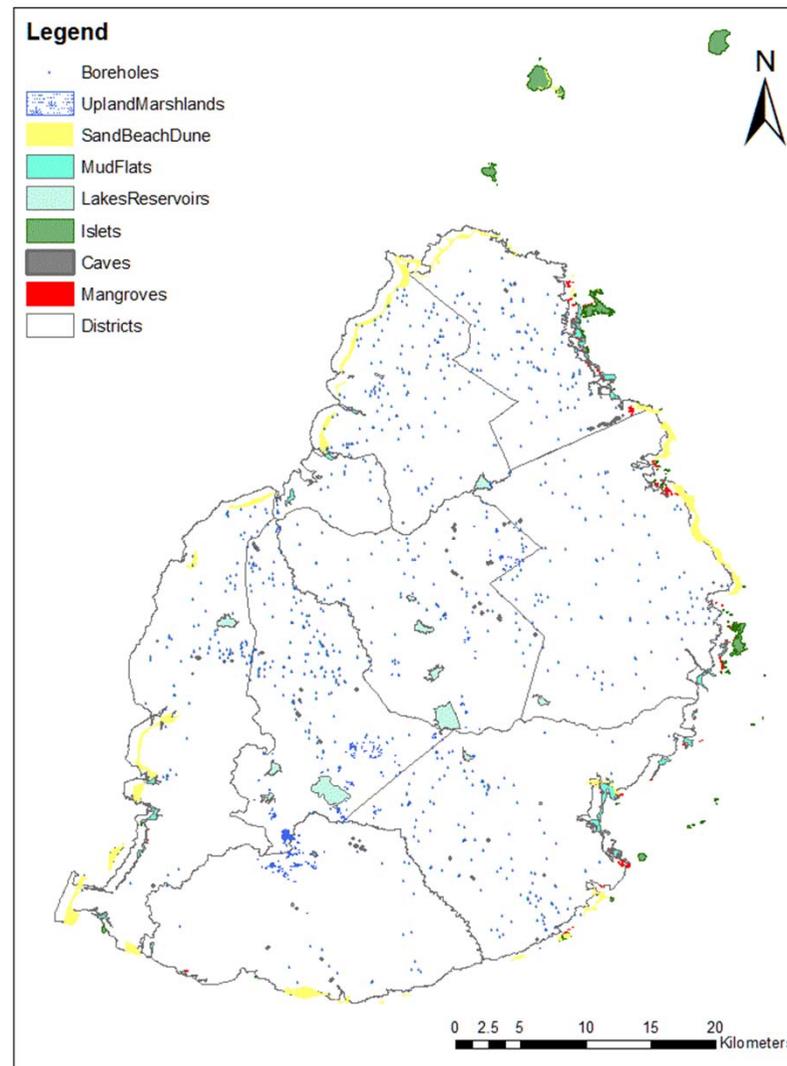
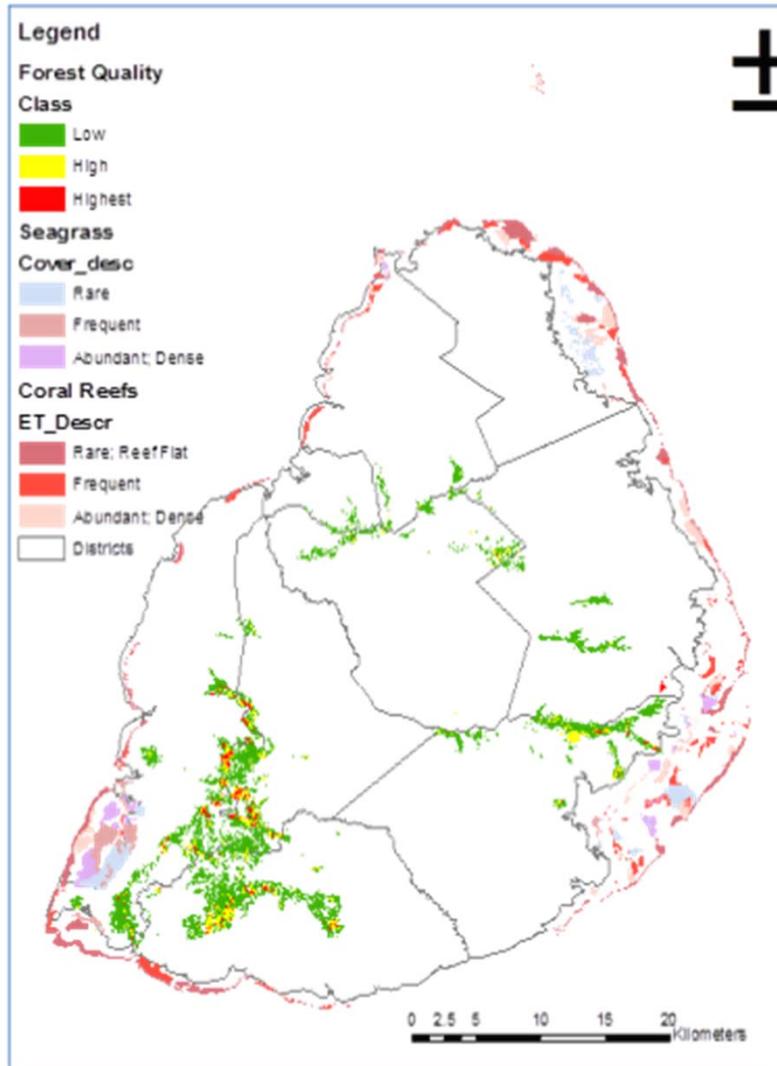


Table 1.20 - List of land protected areas, Republic of Mauritius, 2014

Hectares

| Protected area | Area |
|--|-----------------|
| State Protected areas - Mainland ¹ | 7,570.5 |
| Black River Gorges National Park | 6,574.0 |
| Bras D'Eau National Park | 497.2 |
| Vallee D'Osterlog Endemic Garden | 275.0 |
| Perrier | 1.4 |
| Les Mares | 5.1 |
| Gouly Pere | 11.0 |
| Cabinet | 17.7 |
| Bois Sec | 5.9 |
| Pouce | 68.8 |
| Corps de Garde | 90.3 |
| Grande Montagne (Rodrigues) | 14.0 |
| Anse Quitor (Rodrigues) | 10.0 |
| Pas Geometriques ² | 625.0 |
| Plantations | 216.0 |
| Leased land for grazing and tree planting | 230.0 |
| Unplanted, protective or to be planted | 179.0 |
| Privately-owned/managed conservation areas ¹ | 6,553.0 |
| Mountain Reserves | 3,800.0 |
| River reserves | 2,740.0 |
| Mondrain | 5.0 |
| Sir Emile Seriès | 8.0 |
| Total | 14,748.5 |

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

¹ Land protected as per the Forests and Reserves Act No. 41 of 1983 (as amended by Act No. 1 of 1986 and Act No. 7 of 2003)² Pas Geometriques are land protected as per Pas Geometriques Act of 1895 (as amended by Act No. 35 of 1989)

Table 1.21 - List of Marine and Coastal Protected Areas, Republic of Mauritius, 2014

| Marine & Coastal Protected Areas | Area |
|---|-----------------|
| Marine - Mauritius | 7,190 |
| Blue Bay Marine Park | 353 |
| Balaclava Marine Park | 485 |
| Poste La Fayette Fishing Reserve | 280 |
| Poudre d'Or Fishing Reserve | 2,542 |
| Trou d'Eau Douce Fishing reserve | 574 |
| Port Louis Fishing reserve | 331 |
| Grand Port Zone A | 1,716 |
| Grand Port Zone B | 112 |
| Black River Fishing Reserve | 797 |
| Marine - Rodrigues | 6,763 |
| South East Marine Protected Area (SEMPA) | 4,343 |
| Riviere Banane Marine Reserve | 153 |
| Anse aux Anglais Marine Reserve | 152 |
| Grand Basin Marine Reserve | 1,396 |
| Passe Demi Marine Reserve | 719 |
| Coastal Wetlands - Mauritius | 48 |
| Rivulet du Terre Rouge Bird Sanctuary & Ramsar Site | 26 |
| Pte D'Esny Wetland Ramsar Site | 22 |
| Islets - Mauritius | 735.3 |
| Round Island Nature Reserve | 168.8 |
| Serpent Island Nature Reserve | 31.7 |
| Gabriel Island Nature Reserve | 42.2 |
| Flat Island Nature Reserve | 253.0 |
| Gunner's Coin Nature Reserve | 76.0 |
| Pigeon Island National Park | 0.6 |
| Ile D'Ambre / Ile Bernache National Park | 128.0 |
| Ile aux Aigrettes Nature Reserve | 25.0 |
| Ilot Flamants National Park | 0.8 |
| Ile aux Oiseaux National Park | 0.7 |
| Ile aux Mariannes Nature Reserve | 2.0 |
| Ile aux Fous Park | 0.3 |
| Rocher des Oiseaux National Park | 0.1 |
| Ile aux Fouquets National Park | 2.5 |
| Ilot Vacoas National Park | 1.4 |
| Ile de la Passe Ancient Monument | 2.2 |
| Islets - Rodrigues | 23 |
| Iles aux Cocos | 15 |
| Iles aux Sables | 8 |
| Total | 14,759.3 |

Source : Albion Fisheries Research Centre; Forestry Service and Commission for Environment, Tourism, Fisheries and Marine Parks, Rodrigues Regional Assembly

Table 1.22 - Forest area by category, 2005 - 2014

| | Hectares | | | | | | | | | |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| State - owned | 22,185 | 22,181 | 22,176 | 22,159 | 22,159 | 22,159 | 22,140 | 22,143 | 22,108 | 22,103 |
| Plantations | 11,828 | 11,848 | 11,878 | 11,855 | 11,901 | 11,916 | 11,897 | 11,900 | 11,867 | 11,830 |
| Nature reserves | 799 | 799 | 799 | 799 | 799 | 799 | 799 | 799 | 799 | 799 |
| <i>on mainland</i> | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| <i>islets</i> | 599 | 599 | 599 | 599 | 599 | 599 | 599 | 599 | 599 | 599 |
| Black River Gorges National Park | 6,574 | 6,574 | 6,574 | 6,574 | 6,574 | 6,574 | 6,574 | 6,574 | 6,574 | 6,574 |
| Bras D'Eau National Park ¹ | 472 | 472 | 472 | 472 | 472 | 472 | 497 | 497 | 497 | 497 |
| Islet National Parks ² | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| Vallee d' Osterlog Endemic Garden ³ | NA | NA | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 |
| Other forest lands | 1,743 | 1,719 | 1,413 | 1,419 | 1,373 | 1,358 | 1,333 | 1,333 | 1,332 | 1,369 |
| Pas Geometriques | 635 | 635 | 631 | 631 | 631 | 631 | 631 | 631 | 630 | 625 |
| <i>Plantations</i> | 226 | 226 | 222 | 222 | 222 | 222 | 222 | 222 | 221 | 216 |
| <i>Leased for grazing and tree planting</i> | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| <i>Others (mostly rocky)</i> | 179 | 179 | 179 | 179 | 179 | 179 | 179 | 179 | 179 | 179 |
| Privately - owned lands⁴ | 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 |
| <i>Mountain reserves</i> | 3,800 | 3,800 | 3,800 | 3,800 | 3,800 | 3,800 | 3,800 | 3,800 | 3,800 | 3,800 |
| <i>River reserves</i> | 2,740 | 2,740 | 2,740 | 2,740 | 2,740 | 2,740 | 2,740 | 2,740 | 2,740 | 2,740 |
| <i>Private reserves</i> | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| Other ⁵ | 18,447 | 18,447 | 18,447 | 18,447 | 18,447 | 18,447 | 18,447 | 18,447 | 18,447 | 18,447 |
| Total | 47,185 | 47,181 | 47,176 | 47,159 | 47,159 | 47,159 | 47,140 | 47,143 | 47,108 | 47,103 |

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

¹ Bras D'Eau National Park was proclaimed in 2011 . From 2002 to 2010 was known as Bras D'Eau & Poste La Fayette Reserves.

² Islet National Parks were proclaimed in 2004.

³ Valee D'Osterlog Endemic Garden was proclaimed in 2007

⁴ Current figures for privately-owned lands are crude estimates based on expert knowledge from Forestry Service.

⁵ Includes plantations, forest lands, scrub and grazing lands.

NA: Not applicable

Table 1.23 - Changes in forest-land cover, 2005 and 2014

| | Area (hectares) | | % of total land area | |
|---|-----------------|---------------|----------------------|-------------|
| | 2005 | 2014 | 2005 | 2014 |
| Forests lands : of which | 47,185 | 47,103 | 25.3 | 25.3 |
| State owned | 22,185 | 22,103 | 11.9 | 11.9 |
| <i>Plantations</i> | <i>11,828</i> | <i>11,830</i> | 6.3 | 6.3 |
| <i>Land Protected areas and Nature reserves</i> | <i>7,979</i> | <i>8,279</i> | 4.3 | 4.4 |
| <i>Other Forest Land</i> | <i>1,743</i> | <i>1,369</i> | 0.9 | 0.7 |
| <i>Pas Geometriques</i> | <i>635</i> | <i>625</i> | 0.3 | 0.3 |
| Privately owned lands ¹ | 25,000 | 25,000 | 13.4 | 13.4 |
| <i>Reserves (land protected areas)</i> | <i>6,553</i> | <i>6,553</i> | 3.5 | 3.5 |
| <i>Other</i> | <i>18,447</i> | <i>18,447</i> | 9.9 | 9.9 |

¹ include plantations, reserves, scrub and grazing lands.

Table 1.24 - Forest plantations ¹ by type of plants, 2005 - 2014

| Type of plant | Hectares | | | | | | | | | |
|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Soft wood | 9,755 | 9,775 | 9,808 | 9,782 | 9,821 | 9,836 | 9,813 | 9,816 | 9,816 | 9,774 |
| Pine | 8,143 | 8,162 | 8,195 | 8,165 | 8,197 | 8,199 | 8,176 | 8,179 | 8,179 | 8,137 |
| Other softwood | 1,612 | 1,613 | 1,613 | 1,617 | 1,624 | 1,637 | 1,637 | 1,637 | 1,637 | 1,637 |
| Hardwood | 2,299 | 2,299 | 2,292 | 2,295 | 2,302 | 2,302 | 2,306 | 2,306 | 2,272 | 2,272 |
| Eucalyptus and Casuarina | 1,450 | 1,450 | 1,443 | 1,443 | 1,443 | 1,443 | 1,443 | 1,443 | 1,409 | 1,404 |
| Other hardwood | 849 | 849 | 849 | 852 | 859 | 859 | 863 | 863 | 863 | 868 |
| Total | 12,054 | 12,074 | 12,100 | 12,077 | 12,123 | 12,138 | 12,119 | 12,122 | 12,088 | 12,046 |

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

¹ State land

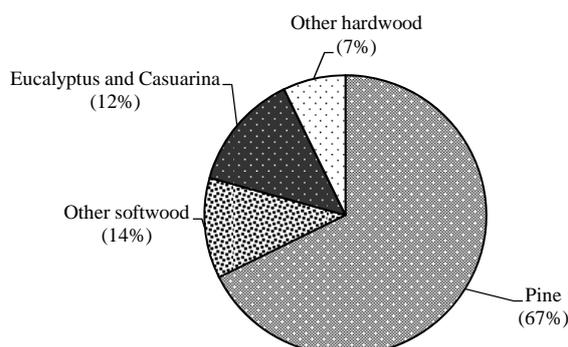
Figure 8 - Percentage composition of forest plantations, 2014

Table 1.25 - Forest fires and area affected, 2005 - 2014

| Year | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--------------------------|------|------|------|------|------|------|------|------|------|------|
| Number of incidents | 16 | 26 | 25 | 26 | 14 | 46 | 31 | 28 | 19 | 27 |
| Area affected (Ha) | 61 | 94 | 154 | 136 | 123 | 188 | 96 | 154 | 157 | 207 |
| of which | | | | | | | | | | |
| <i>Protected areas</i> | 4 | 8 | 4 | 1 | - | 53 | 10 | 22 | - | 95 |
| <i>Unprotected areas</i> | 57 | 86 | 150 | 135 | 123 | 135 | 86 | 132 | 157 | 112 |

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

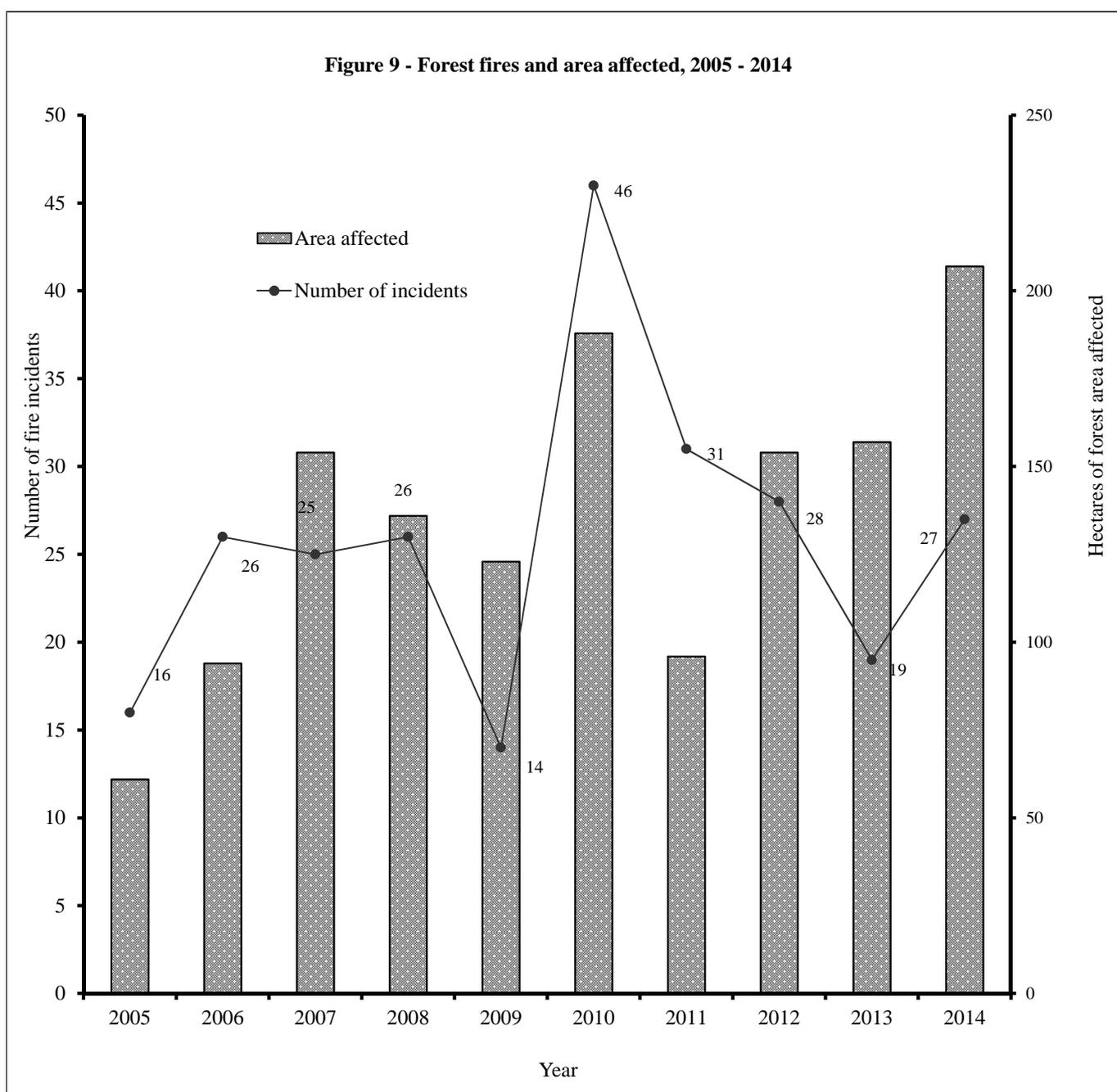


Table 1.26 - River water quality by selected physico-chemical parameters, 2014

| Rivers | Parameters | | | | | | | | | | | |
|---------------------------|----------------|-----------|-----------------------|------------------------|-----------------|-------------|----------------------------|-------------|--------------|------------|---------------|---------------|
| | Temperature °C | pH | mg/L | | | | | | | | | |
| | | | Dissolved Oxygen (DO) | Chemical Oxygen Demand | Phosphorus as P | Chloride | Nitrate as NO ₃ | Sulphate | Sodium | Potassium | Calcium | Magnesium |
| Riv. du Rempart | 24.2 - 27.3 | 6.8 - 7.3 | 5.6 - 7.3 | <10 - 15 | <0.01 - 0.04 | 20.7 - 28.2 | 6.8 - 13.5 | 10.1 - 13.7 | 17.3 - 24.00 | 0.9 - 80 | 61.14 - 9.89 | 5.99 - 12.93 |
| Riviere Plaine Wilhems | 21.8 - 28.8 | 7.2 - 7.8 | 6.4 - 7.2 | <10 - 19 | <0.01 - 0.02 | 17.4 - 18.6 | 7.6 - 14.2 | 11.2 - 14.8 | 13.5 - 16.2 | 0.4 - 1.2 | 9.31 - 17.89 | 8.11 - 11.02 |
| Riviere du Poste de Flacq | 22.7 - 28.2 | 7.9 - 8.1 | 6.0 - 8.6 | <10 - 12 | <0.01 - 0.02 | 11.4 - 18.7 | 4.4 - 11.4 | 6.1 - 9.7 | 13.6 - 17.2 | 0.2 - 0.8 | 10.61 - 14.79 | 10.46 - 13.02 |
| River Moka | 22.1 - 25.7 | 6.9 - 7.3 | 6.7 - 7.7 | <10 - 13 | <0.01 - 0.04 | 15.9 - 18.3 | 11.6 - 19.7 | 5.1 - 7.7 | 11.7 - 14.1 | 0.2 - 0.9 | 8.36 - 9.40 | 5.85 - 8.10 |
| Riviere Labourdonnais | 23.2 - 26.8 | 7.7 - 8.0 | 6.6 - 8.3 | <10 - 13 | <0.01 - 0.06 | 27.6 - 38.1 | 7.3 - 14.4 | 12.6 - 15.4 | 20.6 - 30.2 | 0.6 - 1.5 | 10.15 - 15.52 | 8.95 - 13.53 |
| Riviere Francoise | 23.3 - 26.8 | 7.4 - 8.8 | 5.7 - 8.5 | <10 - 11 | 0.02 | 11.3 - 16.7 | 7.9 - 10.6 | 5.0 - 5.5 | 11.4 - 13.4 | 0.7 - 0.8 | 6.40 - 9.19 | 5.58 - 7.25 |
| Riv. des Creoles | 22.5 - 26.9 | 6.9 - 7.2 | 3.2 - 6.7 | <10 - 17 | <0.01 - 0.05 | 6.0 - 12.9 | 1.4 - 4.1 | 3.1 - 4.3 | 8.1 - 9.6 | 0.4 - 1.1 | 5.90 - 7.72 | 4.21 - 6.02 |
| Riv. Cascade | 21.3 - 25.5 | 7.6 - 7.9 | 6.8 - 8.3 | <10 - 22 | <0.01 - 0.02 | 14.8 - 19.4 | 3.6 - 7.7 | 5.9 - 11 | 10.5 - 12.3 | 0.6 - 1.0 | 7.24 - 8.64 | 6.28 - 8.22 |
| Riv. des Anguilles | 21.1 - 25.3 | 7.6 - 7.8 | 7.5 - 8.5 | <10 - 11 | <0.01 - 0.01 | 8.4 - 13.6 | 3.0 - 4.9 | 3.4 - 4.7 | 9.9 - 11.9 | 0.6 - 0.8 | 5.43 - 6.44 | 6.57 - 8.05 |
| Black River | 20.8 - 26.5 | 7.5 - 7.8 | 7.6 - 7.8 | <10 - 15 | <0.01 - 0.06 | 16.4 - 20.9 | 0.6 - 2.1 | 3.3 - 5.9 | 10.7 - 14.8 | 0.6 - 1.0 | 3.10 - 5.19 | 3.02 - 5.00 |
| Grand River South East | 22.8 - 27.5 | 7.4 - 8.0 | 7.4 - 8.7 | <10 - 13 | <0.01 - 0.04 | 12.3 - 15.8 | 4.9 - 7.0 | 4.2 - 6.5 | 11.2 - 14.2 | 0.7 - 1.0. | 7.37 - 9.83 | 5.93 - 7.94 |
| Riv. La Chaux | 23.0 - 26.8 | 7.6 - 7.8 | 6.6 - 8.3 | <10 - 20 | <0.01 - 0.02 | 8.5 - 17.2 | 3.3 - 10.2 | 4.5 - 8.0 | 11.7 - 13.3 | 0.5 - 0.7 | 7.10 - 7.49 | 7.00 - 7.91 |
| Riv. des Galets | 20.3 - 25.8 | 7.4 - 7.8 | 7.6 - 7.9 | <10 - 19 | <0.01 - 0.04 | 14.1 - 15.4 | 1.1 - 1.8 | 3.0 - 4.5 | 8.4 - 11.6 | 0.7 - 1.4 | 3.14 - 4.76 | 1.88 - 2.93 |
| Riv. Baie du Cap | 20.3 - 25.7 | 7.4 - 7.6 | 7.3 - 7.9 | <10 - 22 | <0.01 - 0.03 | 16.4 - 18.7 | 0.3 - 2.0 | 3.4 - 4.2 | 11.1 - 12.9 | 1.0 - 1.7 | 2.41 - 4.57 | 3.51 - 4.26 |

Source: National Environmental Laboratory, Ministry of Environment, Sustainable Development, and Disaster and Beach Management

Table 1.27 - Range of levels of Nitrate-Nitrogen, Phosphate and Chemical Oxygen Demand (COD) for selected coastal regions, 2014

| Region | Chemical water quality parameter | | |
|---|----------------------------------|---------------------------------|------------------------|
| | Nitrate-Nitrogen | Phosphate | Chemical Oxygen demand |
| | (NO ₃ - N) | (PO ₄ ³) | (COD) |
| Bel Ombre (Recreation) | 0.2 - 0.3 | 0.01 - 0.07 | 0.3 - 1.6 |
| Bambous Virieux (Recreation) | 0.2 - 0.8 | < 0.01 | <0.1 - 2.3 |
| Trou D'Eau Douce (Recreation) | 0.1 - 1.3 | 0.03 - 0.11 | <0.1 - 0.7 |
| Anse la Raie (Recreation) | <0.1 - 0.2 | <0.01 - 0.06 | 0.2 - 1.1 |
| Trou aux Biches (Recreation) | 0.1 - 0.8 | <0.01 - 0.09 | <0.1 - 0.9 |
| Pointe aux Sables (Industrial & others) | 0.1 - 0.6 | <0.01 - 0.05 | 0.2 - 1.3 |
| Tombeau Bay (Industrial & others) | <0.1 - 0.7 | <0.01 - 0.06 | <0.1 - 1.7 |
| Port Louis Harbour (Industrial & others) | 0.1 - 0.5 | <0.01 - 0.28 | <0.1 - 1.5 |

Source : Albion Fisheries Research Centre, Ministry of Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Islands.

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 1.28 - Sea water quality in the lagoon at Terre Rouge Rivulet Bird Sanctuary , 2005 - 2014

| Variable | Unit | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-------------------------------|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Chemical Oxygen Demand (COD) | mg O ₂ /l | 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 | <0.1 - 0.9 |
| Total Phosphorus ¹ | mg PO ₄ ³⁻ /l | 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 | <0.01 - 0.05 |
| 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 - 0.3 | 0.2 - 0.3 |

Source : Albion Fisheries Research Centre, Ministry of Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Islands.

¹ Data given are for the variable Phosphate

² Data given are for the variable Nitrate-nitrogen

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 1.29 - Guidelines for inland surface water¹ quality, 1998

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

Source: Ministry of Environment and Sustainable Development, and Disaster and Beach Management (Government Notice No 188 of 1998)

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

² Lower limit at 25⁰ C.

Table 1.30 - Mean sea surface temperature around the Island of Mauritius, 2005 - 2014

Degrees celcius

| Year | | January | February | March | April | May | June | July | August | September | October | November | December | Average for the year |
|-------------------------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------|
| 2005 | Mean | 27.8 | 28.6 | 28.0 | 27.4 | 26.5 | 25.0 | 24.1 | 24.0 | 23.5 | 24.9 | 24.9 | 26.3 | 25.9 |
| | <i>Difference from Normal</i> | 0.4 | 0.9 | 0.2 | 0.3 | 0.4 | 0.0 | 0.1 | 0.5 | 0.0 | 0.8 | -0.3 | -0.3 | |
| 2006 | Mean | 27.7 | 27.1 | 27.5 | 27.5 | 27.3 | 24.5 | 24.1 | 23.5 | 23.8 | 24.1 | 25.1 | 26.7 | 25.7 |
| | <i>Difference from Normal</i> | 0.3 | -0.6 | -0.3 | 0.4 | 1.2 | -0.5 | 0.1 | 0.0 | 0.3 | 0.0 | -0.1 | 0.1 | |
| 2007 | Mean | 27.7 | 28.6 | 27.2 | 26.8 | 26.2 | 25.3 | 24.3 | 23.8 | 23.6 | 24.0 | 25.5 | 26.1 | 25.8 |
| | <i>Difference from Normal</i> | 0.3 | 0.9 | -0.6 | -0.3 | 0.1 | 0.3 | 0.3 | 0.3 | 0.1 | -0.1 | 0.3 | -0.5 | |
| 2008 | Mean | 26.8 | 27.7 | 27.2 | 27.0 | 26.4 | 25.2 | 23.6 | 23.5 | 23.9 | 24.3 | 26.1 | 27.7 | 25.8 |
| | <i>Difference from Normal</i> | -0.6 | 0.0 | -0.6 | -0.1 | 0.3 | 0.2 | -0.4 | 0.0 | 0.4 | 0.2 | 0.9 | 1.1 | |
| 2009 | Mean | 29.5 | 28.5 | 28.7 | 28.3 | 27.1 | 26.1 | 25.1 | 24.1 | 24.1 | 24.8 | 25.8 | 27.6 | 26.6 |
| | <i>Difference from Normal</i> | 2.1 | 0.8 | 0.9 | 1.2 | 1.0 | 1.1 | 1.1 | 0.6 | 0.6 | 0.7 | 0.6 | 1.0 | |
| 2010 | Mean | 28.2 | 29.0 | 28.6 | 28.6 | 27.7 | 26.0 | 25.0 | 24.7 | 24.0 | 25.0 | 26.2 | 27.2 | 26.7 |
| | <i>Difference from Normal</i> | 0.8 | 1.3 | 0.8 | 1.5 | 1.6 | 1.0 | 1.0 | 1.2 | 0.5 | 0.9 | 1.0 | 0.6 | |
| 2011 | Mean | 28.2 | 28.2 | 28.6 | 28.1 | 27.0 | 26.1 | 24.0 | 24.1 | 24.0 | 24.8 | 26.7 | 27.4 | 26.4 |
| | <i>Difference from Normal</i> | 0.8 | 0.5 | 0.8 | 1.0 | 0.9 | 1.1 | 0.0 | 0.6 | 0.5 | 0.7 | 1.5 | 0.8 | |
| 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 |
| | <i>Difference from Normal</i> | 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 |
| | <i>Difference from Normal</i> | 0.3 | 0.5 | 0.1 | 0.1 | 0.0 | -0.5 | -0.1 | 0.4 | 0.0 | 0.2 | 0.9 | 1.0 | |
| 2014 | Mean | 28.0 | 28.4 | 29.0 | 27.7 | 26.7 | 25.3 | 24.0 | 23.7 | 24.1 | 25.0 | 25.2 | 27.5 | 26.2 |
| | <i>Difference from Normal</i> | 0.6 | 0.7 | 1.2 | 0.6 | 0.6 | 0.3 | 0.0 | 0.2 | 0.6 | 0.9 | 0.0 | 0.9 | |
| 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 : Mauritius Meteorological Services

COMPONENT 2

**ENVIRONMENTAL RESOURCES
AND THEIR USE**

Table 2.1 - Energy Balance, Republic of Mauritius, 2013

| Source Flow | | Tonne of oil equivalent (toe) | | | | | | | | | | | | | | | | |
|--|----------------|-------------------------------|--------------------|----------------|------------|----------------|--------------------------|----------------|--------------|------------|--------------|------------|--------------|---------------|----------------|----------------|----------------|------------------|
| | | Fossil fuels | | | | | | | Renewables | | | | | | | Electricity | Total | |
| | | Coal | Petroleum products | | | | | | Fuelwood | Charcoal | Hydro | Wind | Landfill Gas | Photo-voltaic | Bagasse | | | Total Renewables |
| Gasolene | Diesel | | Aviation Fuel | Kerosene | Fuel Oil | LPG | Total Petroleum products | | | | | | | | | | | |
| Local production | - | - | - | - | - | - | - | - | 7,306 | - | 8,156 | 310 | 1,721 | 234 | 201,714 | 219,441 | - | 219,441 |
| Imports | 439,167 | 149,273 | 339,463 | 250,708 | 2,957 | 411,909 | 73,679 | 1,227,988 | - | - | - | - | - | - | - | - | - | 1,667,156 |
| Re-exports and bunkering | - | - | (115,242) | (120,503) | - | (149,835) | - | (385,580) | - | - | - | - | - | - | - | - | - | (385,580) |
| Stock change / Statistical error | 1,476 | (6,607) | (17,195) | (9,468) | (2,076) | (13,533) | 1,191 | (47,689) | - | - | - | - | - | - | - | - | - | (46,213) |
| Total Primary Energy Requirement | 440,643 | 142,666 | 207,026 | 120,737 | 881 | 248,541 | 74,870 | 794,720 | 7,306 | - | 8,156 | 310 | 1,721 | 234 | 201,714 | 219,441 | - | 1,454,804 |
| Public electricity generation plant | - | - | (1,282) | - | (671) | (207,542) | - | (209,495) | - | - | (8,156) | (310) | - | - | - | (8,466) | 101,155 | (116,806) |
| Autoproducer plants | (423,588) | - | - | - | - | - | - | - | - | - | - | - | (1,721) | (234) | (168,983) | (170,938) | 146,980 | (447,546) |
| Other transformation | - | - | - | - | - | - | - | - | (903) | 440 | - | - | - | - | - | (463) | - | (463) |
| Own use | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | (3,610) | (3,610) |
| Losses | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | (15,804) | (15,804) |
| Total Final Consumption | 17,054 | 142,666 | 205,744 | 120,737 | 210 | 40,999 | 74,870 | 585,225 | 6,403 | 440 | - | - | - | - | 32,730 | 39,573 | 228,722 | 870,575 |
| Manufacturing sector | 17,054 | - | 35,797 | - | - | 37,615 | 5,781 | 79,193 | 526 | - | - | - | - | - | 32,730 | 33,257 | 82,765 | 212,269 |
| Transport sector ¹ | - | 142,666 | 167,603 | 120,737 | - | 3,384 | 4,393 | 438,783 | - | - | - | - | - | - | - | - | - | 438,783 |
| Commercial and distributive trade sector | - | - | - | - | - | - | 14,348 | 14,348 | - | 357 | - | - | - | - | - | 357 | 73,359 | 88,064 |
| Household | - | - | - | - | 210 | - | 50,069 | 50,279 | 5,877 | 82 | - | - | - | - | - | 5,959 | 67,147 | 123,385 |
| Agriculture | - | - | 2,343 | - | - | - | - | 2,343 | - | - | - | - | - | - | - | - | 2,183 | 4,526 |
| Other | - | - | - | - | - | - | 279 | 279 | - | - | - | - | - | - | - | - | 3,268 | 3,547 |

¹ includes fuel used for transport by all sectors

Note: figures in brackets represent negative quantities

Table 2.2 - Energy Balance, Republic of Mauritius, 2014

| Source Flow | | Fossil fuels | | | | | | | Renewables | | | | | | | | Electricity | Total |
|--|----------------|--------------------|----------------|----------------|---------------|----------------|---------------|----------------|--------------|------------|--------------|------------|--------------|---------------|----------------|------------------|----------------|------------------|
| | | Petroleum products | | | | | | | Fuelwood | Charcoal | Hydro | Wind | Landfill Gas | Photo-voltaic | Bagasse | Total Renewables | | |
| | | Coal | Gasolene | Diesel | Aviation Fuel | Kerosene | Fuel Oil | LPG |  |  |  |  |  |  |  |  |  |  | Total Petroleum products |
| Local production | - | - | - | - | - | - | - | - | 6,943 | - | 7,812 | 273 | 1,834 | 2,117 | 193,366 | 212,346 | - | 212,346 |
| Imports | 478,512 | 148,924 | 306,658 | 241,255 | 2,296 | 390,176 | 81,627 | 1,170,937 | - | - | - | - | - | - | - | - | - | 1,649,449 |
| Re-exports and bunkering | - | - | (117,846) | (126,599) | - | (163,741) | - | (408,186) | - | - | - | - | - | - | - | - | - | (408,186) |
| Stock change / Statistical error | (18,171) | 2,820 | 19,205 | 12,191 | (1,429) | 28,409 | (4,905) | 56,291 | - | - | - | - | - | - | - | - | - | 38,121 |
| Total Primary Energy Requirement | 460,341 | 151,744 | 208,018 | 126,847 | 867 | 254,844 | 76,722 | 819,042 | 6,943 | - | 7,812 | 273 | 1,834 | 2,117 | 193,366 | 212,346 | - | 1,491,729 |
| Public electricity generation plant | - | - | (1,241) | - | (708) | (212,491) | - | (214,441) | - | - | (7,812) | (273) | - | - | - | (8,085) | 101,073 | (121,453) |
| Autoproducer plants | (440,966) | - | - | - | - | - | - | - | - | - | - | - | (1,834) | (2,117) | (164,890) | (168,842) | 151,504 | (458,304) |
| Other transformation | - | - | - | - | - | - | - | - | (912) | 444 | - | - | - | - | - | (468) | - | (468) |
| Own use | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | (3,938) | (3,938) |
| Losses | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | (15,635) | (15,635) |
| Total Final Consumption | 19,375 | 151,744 | 206,776 | 126,847 | 159 | 42,352 | 76,722 | 604,601 | 6,031 | 444 | - | - | - | - | 28,476 | 34,951 | 233,004 | 891,931 |
| Manufacturing sector | 19,375 | - | 36,457 | - | - | 38,857 | 5,861 | 81,175 | 510 | - | - | - | - | - | 28,476 | 28,986 | 81,205 | 210,741 |
| Transport sector ¹ | - | 151,744 | 168,014 | 126,847 | - | 3,495 | 4,044 | 454,143 | - | - | - | - | - | - | - | - | - | 454,143 |
| Commercial and distributive trade sector | - | - | - | - | - | - | 15,150 | 15,150 | - | 368 | - | - | - | - | - | 368 | 77,005 | 92,523 |
| Household | - | - | - | - | 159 | - | 51,376 | 51,535 | 5,521 | 76 | - | - | - | - | - | 5,597 | 69,345 | 126,477 |
| Agriculture | - | - | 2,306 | - | - | - | - | 2,306 | - | - | - | - | - | - | - | - | 2,291 | 4,597 |
| Other | - | - | - | - | - | - | 292 | 292 | - | - | - | - | - | - | - | - | 3,157 | 3,449 |

¹ includes fuel used for transport by all sectors

Note: figures in brackets represent negative quantities

Table 2.3 - Primary energy requirement, (Energy unit), Republic of Mauritius, 2005 - 2014

Thousand tonne of oil equivalent (ktoe)

| Energy source | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Imported (Fossil Fuel) | 1030.6 | 1122.2 | 1136.1 | 1140.9 | 1110.6 | 1189.1 | 1195.7 | 1205.3 | 1235.3 | 1279.3 |
| Coal | 225.6 | 300.4 | 355.0 | 403.9 | 369.3 | 414.1 | 397.7 | 418.4 | 440.6 | 460.3 |
| Petroleum product | 805.0 | 821.8 | 781.1 | 737.0 | 741.3 | 775.0 | 798.0 | 786.9 | 794.7 | 819.0 |
| Gasolene | 100.1 | 96.2 | 106.9 | 109.5 | 120.6 | 127.7 | 130.0 | 136.6 | 142.7 | 151.7 |
| Diesel oil | 214.2 | 230.6 | 207.4 | 205.4 | 206.7 | 213.6 | 210.1 | 213.4 | 207.0 | 208.0 |
| Dual purpose kerosene | 171.7 | 152.7 | 146.0 | 140.9 | 117.2 | 131.3 | 138.7 | 118.8 | 121.6 | 127.7 |
| Aviation fuel | 143.1 | 146.7 | 143.6 | 136.9 | 110.5 | 123.3 | 134.4 | 115.0 | 120.7 | 126.8 |
| Kerosene | 28.6 | 6.0 | 2.4 | 4.0 | 6.7 | 8.0 | 4.3 | 3.8 | 0.9 | 0.9 |
| Fuel oil | 253.3 | 273.3 | 251.9 | 213.3 | 227.9 | 232.2 | 248.1 | 245.4 | 248.5 | 254.8 |
| LPG | 65.7 | 69.0 | 68.9 | 67.9 | 68.9 | 70.2 | 71.1 | 72.7 | 74.9 | 76.7 |
| Local (Renewables) | 262.6 | 254.6 | 245.7 | 263.4 | 236.3 | 241.6 | 231.1 | 222.3 | 219.5 | 212.3 |
| Hydro | 9.9 | 6.6 | 7.2 | 9.3 | 10.5 | 8.7 | 4.9 | 6.4 | 8.2 | 7.8 |
| Wind | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 |
| Landfill Gas | - | - | - | - | - | - | 0.3 | 1.5 | 1.7 | 1.8 |
| Photovoltaic | - | - | - | - | - | - | - | 0.1 | 0.2 | 2.1 |
| Bagasse ¹ | 245.1 | 240.0 | 230.5 | 246.4 | 218.0 | 225.0 | 218.1 | 206.5 | 201.7 | 193.4 |
| Fuel wood ¹ | 7.6 | 8.0 | 8.0 | 7.7 | 7.7 | 7.7 | 7.6 | 7.5 | 7.3 | 6.9 |
| Total | 1293.2 | 1376.8 | 1381.8 | 1404.3 | 1346.9 | 1430.7 | 1426.8 | 1427.6 | 1454.8 | 1491.6 |

¹ estimates

Table 2.4 - Imports of energy sources (Energy unit), Republic of Mauritius, 2005 - 2014

Thousand tonnes of oil equivalent (ktoe)

| Energy source | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Gasolene | 93.7 | 96.0 | 104.1 | 117.2 | 112.8 | 130.6 | 126.0 | 138.4 | 149.3 | 148.9 |
| Diesel oil | 333.2 | 330.8 | 310.6 | 331.7 | 290.9 | 313.5 | 313.0 | 316.9 | 339.5 | 306.7 |
| Dual purpose kerosene | 257.9 | 251.7 | 277.0 | 278.8 | 217.2 | 251.2 | 240.0 | 228.8 | 253.7 | 243.6 |
| Kerosene | 29.0 | 6.3 | 3.9 | 6.1 | 4.3 | 7.0 | 4.5 | 7.3 | 3.0 | 2.3 |
| Aviation fuel | 228.9 | 245.4 | 273.1 | 272.7 | 212.9 | 244.2 | 235.5 | 221.5 | 250.7 | 241.3 |
| Fuel oil | 324.0 | 292.2 | 320.6 | 279.4 | 330.0 | 327.8 | 417.4 | 385.2 | 411.9 | 390.2 |
| LPG | 67.7 | 63.5 | 67.8 | 68.2 | 67.6 | 67.7 | 71.6 | 73.3 | 73.7 | 81.6 |
| Coal | 235.1 | 304.0 | 401.6 | 376.0 | 347.1 | 409.6 | 409.3 | 452.2 | 439.2 | 478.5 |
| Total | 1311.6 | 1338.2 | 1481.7 | 1451.3 | 1365.6 | 1500.4 | 1577.3 | 1594.8 | 1667.3 | 1649.4 |

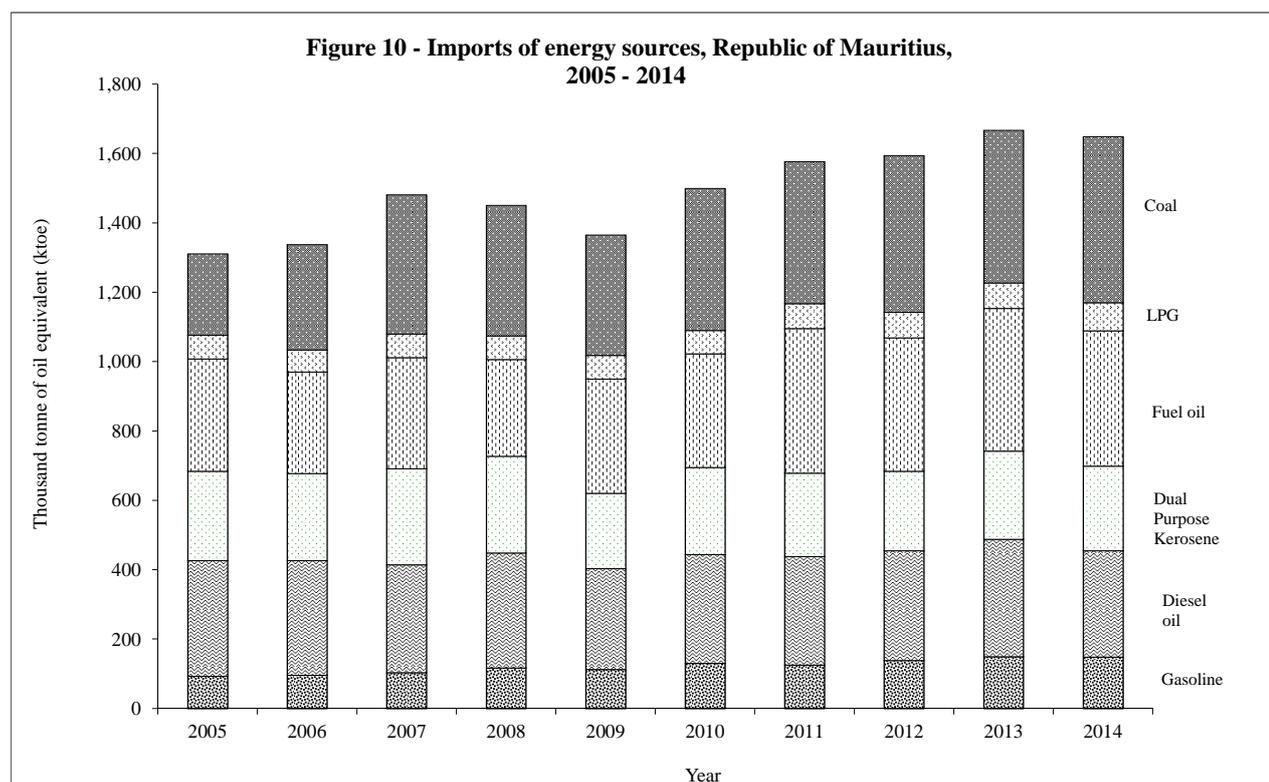


Table 2.5 - Plant capacity, peak power demand and electricity generation, Republic of Mauritius, 2005 - 2014

| Year | Plant capacity ¹ (MW) | | | | Peak Power (MW) | | Electricity generated (GWh) | | | | | |
|------|----------------------------------|-----------|-----------|-----------|-----------------|-----------|-----------------------------|------|--------------|--------------|----------|----------|
| | Installed | | Effective | | Mauritius | Rodrigues | Hydro | Wind | Photovoltaic | Thermal | | Total |
| | Mauritius | Rodrigues | Mauritius | Rodrigues | | | | | | Landfill gas | Other | |
| 2005 | 678.9 | 10.0 | 577.9 | 9.4 | 353.1 | 6.0 | 114.88 | 0.44 | - | - | 2,156.83 | 2,272.15 |
| 2006 | 700.7 | 10.0 | 609.4 | 9.4 | 367.3 | 5.7 | 76.64 | 0.41 | - | - | 2,273.18 | 2,350.23 |
| 2007 | 743.3 | 10.0 | 660.3 | 9.0 | 367.6 | 5.9 | 83.86 | 0.40 | - | - | 2,380.39 | 2,464.65 |
| 2008 | 715.5 | 10.0 | 617.7 | 9.0 | 378.1 | 6.0 | 108.03 | 0.37 | - | - | 2,448.84 | 2,557.24 |
| 2009 | 729.0 | 10.5 | 647.3 | 9.6 | 388.6 | 5.6 | 122.41 | 1.50 | - | - | 2,453.53 | 2,577.44 |
| 2010 | 729.1 | 13.6 | 655.2 | 12.7 | 404.1 | 6.1 | 100.73 | 2.51 | - | - | 2,585.47 | 2,688.71 |
| 2011 | 726.4 | 11.1 | 659.2 | 10.1 | 412.5 | 6.4 | 56.48 | 2.83 | - | 3.14 | 2,676.14 | 2,738.59 |
| 2012 | 767.6 | 13.7 | 682.6 | 12.9 | 430.1 | 6.6 | 74.07 | 3.57 | 0.90 | 17.80 | 2,700.80 | 2,797.14 |
| 2013 | 764.6 | 13.6 | 687.3 | 12.7 | 441.1 | 6.9 | 94.84 | 3.61 | 2.71 | 20.01 | 2,764.10 | 2,885.27 |
| 2014 | 768.4 | 13.7 | 696.9 | 12.9 | 446.2 | 7.2 | 90.80 | 3.20 | 24.60 | 21.30 | 2,797.00 | 2,936.90 |

¹ Includes plant capacity for electricity not exported to CEB

Source: Central Electricity Board and Annual Sugar Industry Energy Survey

Table 2.6 - Electricity generation by source of energy, Republic of Mauritius, 2005 - 2014

| Source of energy | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Primary energy | 115.3 | 77.0 | 84.3 | 108.4 | 123.9 | 103.2 | 62.4 | 96.3 | 121.2 | 140.0 |
| <i>Hydro (renewable energy)</i> | 114.9 | 76.6 | 83.9 | 108.0 | 122.4 | 100.7 | 56.5 | 74.1 | 94.8 | 90.8 |
| <i>Wind (renewable energy)</i> | 0.4 | 0.4 | 0.4 | 0.4 | 1.5 | 2.5 | 2.8 | 3.6 | 3.6 | 3.2 |
| <i>Landfill gas (renewable energy)</i> | NA | NA | NA | NA | NA | NA | 3.1 | 17.8 | 20.0 | 21.3 |
| <i>Photovoltaic (renewable energy)</i> | NA | NA | NA | NA | NA | NA | NA | 0.9 | 2.7 | 24.6 |
| Secondary energy | 2156.8 | 2273.0 | 2380.4 | 2448.9 | 2453.6 | 2585.5 | 2676.1 | 2700.8 | 2764.1 | 2797.0 |
| <i>Gas turbine (kerosene)</i> | 56.2 | 5.7 | 3.2 | 6.6 | 15.3 | 18.9 | 11.6 | 11.0 | 1.7 | 2.0 |
| <i>Diesel & Fuel oil</i> | 1038.0 | 1023.3 | 915.7 | 827.2 | 938.0 | 976.6 | 1058.7 | 1057.0 | 1076.1 | 1079.3 |
| <i>Coal</i> | 609.7 | 798.3 | 993.6 | 1128.7 | 1015.3 | 1115.9 | 1119.4 | 1162.3 | 1213.6 | 1259.5 |
| <i>Bagasse (renewable energy)</i> | 452.9 | 445.7 | 467.9 | 486.4 | 485.0 | 474.1 | 486.5 | 470.5 | 472.8 | 456.2 |
| Total | 2272.1 | 2350.0 | 2464.7 | 2557.3 | 2577.5 | 2688.7 | 2738.6 | 2797.1 | 2885.3 | 2936.9 |
| <i>of which : renewable energy</i> | 568.2 | 522.7 | 552.2 | 594.8 | 608.9 | 577.3 | 551.9 | 566.8 | 594.0 | 596.2 |

NA - Not applicable

Table 2.7 - Fuel input for electricity production, (Energy unit), Republic of Mauritius, 2005 - 2014

Thousand tonne of oil equivalent (ktoe)

| Fuel | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Fuel oil | 208.3 | 217.5 | 193.8 | 160.8 | 183.0 | 189.0 | 206.0 | 204.5 | 207.5 | 212.5 |
| Diesel oil | 2.1 | 2.6 | 2.8 | 1.9 | 2.8 | 2.0 | 1.6 | 1.9 | 1.3 | 1.2 |
| Kerosene | 18.4 | 1.9 | 1.1 | 2.2 | 5.1 | 6.3 | 3.8 | 3.6 | 0.7 | 0.7 |
| Coal | 211.2 | 286.9 | 342.6 | 378.0 | 356.0 | 398.7 | 382.7 | 402.5 | 423.6 | 441.0 |
| Bagasse ¹ | 168.9 | 165.9 | 166.4 | 208.2 | 181.7 | 182.5 | 179.1 | 172.5 | 169.0 | 164.9 |
| Total | 608.9 | 674.8 | 706.7 | 751.1 | 728.6 | 778.5 | 773.2 | 784.9 | 802.1 | 820.3 |

¹ Estimates

Table 2.8 - Final energy consumption by sector and type of fuel (Energy unit), Republic of Mauritius, 2005 - 2014

ktoe

| Sector | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Manufacturing | 244.6 | 266.6 | 259.4 | 243.5 | 220.4 | 231.2 | 222.4 | 215.5 | 212.3 | 210.7 |
| Fuel oil | 40.9 | 51.6 | 53.5 | 48.3 | 41.4 | 39.8 | 38.7 | 37.4 | 37.6 | 38.9 |
| Diesel oil | 41.5 | 50.3 | 48.8 | 46.8 | 46.3 | 47.0 | 43.5 | 41.7 | 35.8 | 36.5 |
| LPG | 4.2 | 4.3 | 4.4 | 5.3 | 5.4 | 5.5 | 5.7 | 5.9 | 5.8 | 5.9 |
| Coal | 14.4 | 13.4 | 12.4 | 25.8 | 13.4 | 15.4 | 15.0 | 15.9 | 17.1 | 19.4 |
| Fuel wood ¹ | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Electricity | 66.9 | 72.3 | 75.6 | 78.5 | 77.1 | 80.3 | 79.9 | 79.9 | 82.8 | 81.2 |
| Bagasse ¹ | 76.2 | 74.2 | 64.1 | 38.3 | 36.3 | 42.6 | 39.1 | 34.1 | 32.7 | 28.5 |
| Transport | 422.6 | 430.0 | 415.6 | 410.6 | 394.9 | 421.6 | 435.3 | 427.3 | 438.8 | 454.1 |
| Land | 270.9 | 275.5 | 263.6 | 265.7 | 276.7 | 290.6 | 293.1 | 304.2 | 310.1 | 319.1 |
| LPG | 7.3 | 7.4 | 7.2 | 5.6 | 5.0 | 5.0 | 4.9 | 4.7 | 4.4 | 4.0 |
| Gasolene | 96.7 | 93.8 | 104.2 | 106.8 | 117.6 | 124.5 | 126.8 | 133.2 | 139.2 | 148.2 |
| Diesel oil | 167.0 | 174.2 | 152.2 | 153.4 | 154.2 | 161.1 | 161.5 | 166.3 | 166.5 | 166.8 |
| Air | 143.1 | 146.7 | 143.6 | 136.9 | 110.5 | 123.3 | 134.3 | 115.0 | 120.7 | 126.8 |
| Aviation fuel (local aircraft) | 143.1 | 146.7 | 143.6 | 136.9 | 110.5 | 123.3 | 134.3 | 115.0 | 120.7 | 126.8 |
| Sea | 8.6 | 7.8 | 8.4 | 8.0 | 7.7 | 7.7 | 7.8 | 8.0 | 8.0 | 8.2 |
| Gasolene | 3.4 | 2.4 | 2.7 | 2.7 | 3.0 | 3.2 | 3.3 | 3.4 | 3.4 | 3.5 |
| Diesel oil | 1.2 | 1.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 |
| Fuel oil | 4.0 | 4.2 | 4.7 | 4.2 | 3.6 | 3.4 | 3.4 | 3.5 | 3.4 | 3.5 |
| Household | 115.4 | 108.9 | 108.8 | 110.1 | 113.1 | 116.9 | 117.4 | 120.1 | 123.4 | 126.5 |
| Kerosene | 10.2 | 4.1 | 1.3 | 1.8 | 1.5 | 1.8 | 0.5 | 0.3 | 0.2 | 0.2 |
| LPG | 46.7 | 44.9 | 45.5 | 45.8 | 46.7 | 47.6 | 48.2 | 49.0 | 50.1 | 51.4 |
| Fuel wood ¹ | 6.3 | 6.6 | 6.6 | 6.4 | 6.3 | 6.3 | 6.2 | 6.1 | 5.9 | 5.5 |
| Charcoal ¹ | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Electricity | 52.2 | 53.1 | 55.3 | 56.1 | 58.5 | 61.1 | 62.4 | 64.7 | 67.1 | 69.3 |
| Commercial and distributive Trade | 55.7 | 62.7 | 65.2 | 69.1 | 72.3 | 76.4 | 80.7 | 83.7 | 88.1 | 92.5 |
| LPG | 7.5 | 12.4 | 11.8 | 10.9 | 11.4 | 11.8 | 12.2 | 12.9 | 14.3 | 15.2 |
| Charcoal ¹ | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| Electricity | 47.8 | 50.0 | 53.1 | 57.8 | 60.5 | 64.3 | 68.1 | 70.4 | 73.4 | 77.0 |
| Agriculture | 4.7 | 4.8 | 4.9 | 4.5 | 4.1 | 4.4 | 4.3 | 4.5 | 4.5 | 4.6 |
| Diesel oil ¹ | 2.4 | 2.3 | 2.5 | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.3 | 2.3 |
| Electricity | 2.3 | 2.5 | 2.4 | 2.2 | 1.8 | 2.0 | 1.9 | 2.1 | 2.2 | 2.3 |
| Other (n.e.s) and losses | 3.0 | 3.4 | 3.6 | 3.8 | 3.8 | 3.5 | 3.0 | 3.4 | 3.5 | 3.4 |
| Total | 846.0 | 876.4 | 857.5 | 841.6 | 808.6 | 854.0 | 863.1 | 854.5 | 870.6 | 891.8 |

¹ Estimates

Table 2.9 - Final energy consumption by sector (Energy unit), Republic of Mauritius, 2005 - 2014

Thousand tonne of oil equivalent (ktoe)

| Sector | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Manufacturing | 244.6 | 266.6 | 259.4 | 243.5 | 220.5 | 231.2 | 222.4 | 215.4 | 212.3 | 210.7 |
| Transport | 422.6 | 430.0 | 415.6 | 410.6 | 394.9 | 421.6 | 435.3 | 427.3 | 438.8 | 454.1 |
| <i>of which land transport</i> | <i>270.9</i> | <i>275.5</i> | <i>263.6</i> | <i>265.7</i> | <i>276.7</i> | <i>290.6</i> | <i>293.1</i> | <i>304.2</i> | <i>310.1</i> | <i>319.1</i> |
| Household | 115.4 | 108.9 | 108.8 | 110.2 | 113.1 | 116.9 | 117.4 | 120.1 | 123.4 | 126.5 |
| Commercial and distributive trade | 55.7 | 62.7 | 65.2 | 69.1 | 72.3 | 76.4 | 80.7 | 83.7 | 88.1 | 92.5 |
| Agriculture | 4.7 | 4.8 | 4.9 | 4.5 | 4.1 | 4.4 | 4.3 | 4.5 | 4.5 | 4.6 |
| Other (n.e.s) and losses | 3.0 | 3.3 | 3.6 | 3.8 | 3.7 | 3.6 | 3.0 | 3.4 | 3.5 | 3.4 |
| TOTAL | 846.0 | 876.3 | 857.5 | 841.7 | 808.6 | 854.1 | 863.1 | 854.4 | 870.6 | 891.9 |

Table 2.10 - Percentage share of final energy consumption by sector, Republic of Mauritius, 2005 - 2014

| Sector | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Manufacturing | 28.9 | 30.4 | 30.3 | 28.9 | 27.3 | 27.1 | 25.8 | 25.2 | 24.4 | 23.6 |
| Transport | 50.0 | 49.1 | 48.5 | 48.8 | 48.8 | 49.4 | 50.4 | 50.0 | 50.4 | 50.9 |
| Household | 13.6 | 12.4 | 12.7 | 13.1 | 14.0 | 13.7 | 13.6 | 14.1 | 14.2 | 14.2 |
| Commercial and distributive trade | 6.6 | 7.2 | 7.6 | 8.2 | 8.9 | 8.9 | 9.4 | 9.8 | 10.1 | 10.4 |
| Agriculture | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Other (n.e.s) and losses | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.4 | 0.3 | 0.4 | 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 |

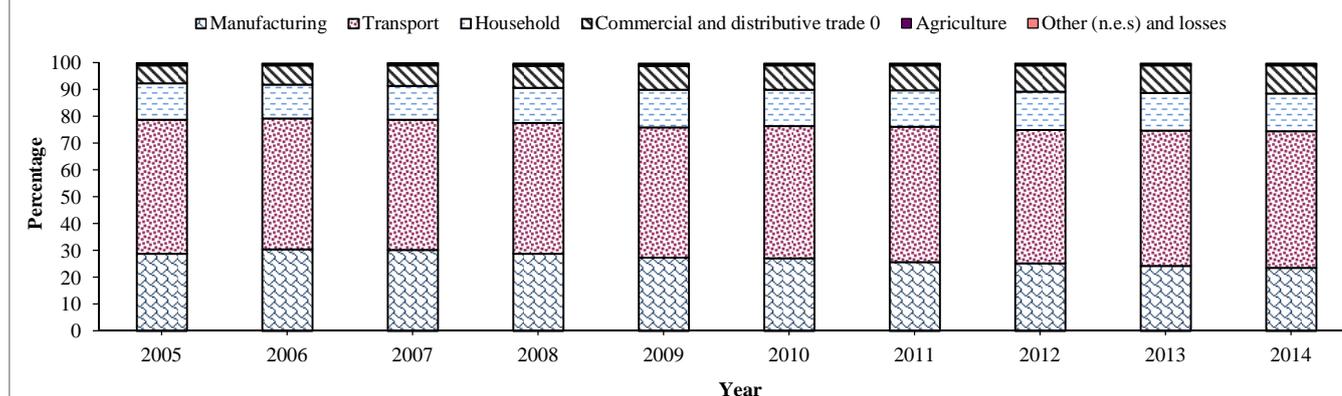
Figure 11 - Percentage share of final energy consumption by sector, Republic of Mauritius, 2005 - 2014

Table 2.11 - 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 | 0 | 0 |

Source : Sugar Insurance Fund Board - Sugar cane Plantation, Tea Board - Tea Plantation, Climate Change Activities Report, May 2006 - other

¹ Estimates

Figure 12 - Land use by category, 2005

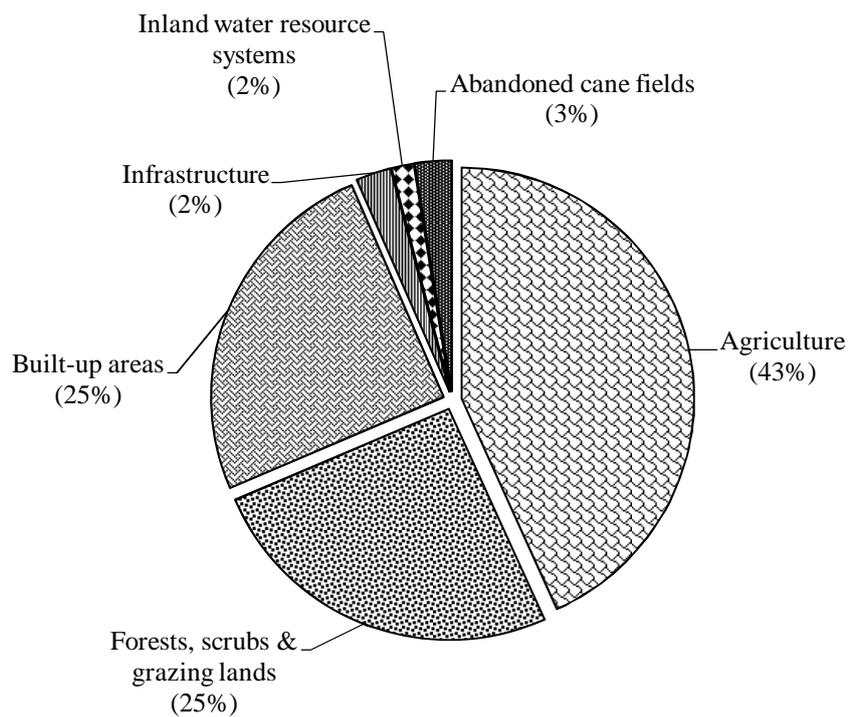


Table 2.12 - Land under irrigation, 2005 - 2014

Hectares

| Year | Overhead | Surface | Drip | Total |
|-------------------------|----------|---------|-------|--------|
| 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 |
| 2014 | 14,884 | 569 | 1,730 | 17,183 |
| (By region) 2014 | | | | |
| North | 5,300 | 295 | 1,204 | 6,799 |
| East | 2,054 | - | 211 | 2,265 |
| Centre | 292 | - | - | 292 |
| West | 3,428 | 274 | 13 | 3,715 |
| South | 3,810 | - | 302 | 4,112 |

Table 2.13: Deforestation rate of forestland, 2005 - 2014

| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Forestland (ha) | 47,185 | 47,181 | 47,176 | 47,159 | 47,159 | 47,159 | 47,140 | 47,143 | 47,108 | 47,103 |
| Area deforested (ha) | - | -4 | -5 | -17 | 0 | 0 | -19 | 3 | -35 | -5 |
| Annual deforestation rate (%) | -0.03 | -0.01 | -0.01 | -0.03 | - | - | -0.04 | 0.01 | -0.07 | -0.01 |

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

Table 2.14 - Local production, poles and fuelwood, 2005 - 2014

| Year | cubic metre (roundwood) | | | | | | | | | |
|----------------------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|-------------------|
| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 ¹ |
| Local Production | 12,098 | 14,532 | 13,952 | 10,885 | 10,531 | 14,328 | 10,960 | 8,232 | 5,317 | 4,440 |
| Timber | 4,818 | 6,869 | 5,332 | 4,330 | 3,807 | 3,696 | 3,207 | 2,354 | 948 | 977 |
| <i>State Lands</i> | 4,628 | 6,067 | 4,874 | 4,260 | 3,762 | 3,231 | 3,077 | 2,164 | 853 | 787 |
| <i>Private Lands²</i> | 190 | 802 | 458 | 70 | 45 | 465 | 130 | 190 | 95 | 190 |
| Poles | 2,187 | 1,605 | 1,553 | 1,284 | 1,242 | 1,220 | 1,281 | 801 | 484 | 256 |
| <i>State Lands</i> | 1,677 | 1,060 | 1,022 | 1,002 | 1,102 | 787 | 1,098 | 489 | 321 | 97 |
| <i>Private Lands²</i> | 510 | 545 | 531 | 282 | 140 | 433 | 183 | 312 | 163 | 159 |
| Fuelwood | 5,093 | 6,058 | 7,067 | 5,271 | 5,482 | 9,412 | 6,472 | 5,077 | 3,885 | 3,207 |
| <i>State Lands</i> | 4,578 | 4,765 | 6,116 | 5,089 | 5,202 | 8,217 | 5,965 | 4,658 | 3,520 | 2,702 |
| <i>Private Lands²</i> | 515 | 1,293 | 951 | 182 | 280 | 1,195 | 507 | 419 | 365 | 505 |

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

¹Provisional

²Estimates

Table 2.15 - Fish production by type of fishery (in fresh - weight equivalent), 2005 - 2014

| | | | | | | | | | | | Tonnes |
|---|---------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| Type of fishery | Type | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 ¹ | 2014 ² |
| Artisanal fishery (Island of Mauritius) | Fresh | 947 | 950 | 640 | 682 | 820 | 831 | 892 | 705 | 559 | 459 |
| Sports fishery ³ | Fresh | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 |
| Amateur fishery ³ | Fresh | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| Barachois ³ | Fresh | 5 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Ponds (prawn and fish) | Fresh | 23 | 20 | 17 | 62 | 103 | 66 | 74 | 75 | 78 | 71 |
| Marine aquaculture (cage) | Fresh | 367 | 447 | 550 | 181 | 330 | 498 | 458 | 432 | 340 | 680 |
| Fish Aggregating Device (FAD) Fishery | Fresh | - | 203 | 164 | 289 | 319 | 330 | 258 | 234 | 240 ³ | 240 ³ |
| <u>Offshore demersal fishery</u> | | | | | | | | | | | |
| Shallow water banks | Frozen | 1,975 | 3,134 | 2,552 | 2,032 | 2,679 | 1,773 | 1,766 | 1,537 | 1,847 | 1,528 |
| Banks deep water snappers ⁴ | Chilled & frozen | - | - | - | 324 | 627 | 452 | 300 | 355 | 377 | 409 |
| St Brandon inshore | Frozen, chilled, dried & salted | 413 | 293 | 176 | 558 | 437 | 420 | 318 | 221 | 273 | 252 |
| Semi - industrial chilled fish | Chilled & frozen | 223 | 251 | 352 | 182 | 126 | 250 | 180 | 234 | 206 | 199 |
| Industrial tuna longliner ⁵ | Frozen | 663 | 1,023 | 669 | 476 | 246 | 306 | - | - | - | - |
| Semi industrial tuna longliner | Chilled | 177 | 247 | 184 | 41 | - | 32 | 89 | 36 | 68 | 43 |
| Purse seiners ⁶ | Frozen | - | - | - | - | - | - | - | - | 855 | 7,784 |
| Demersal trawlers | Frozen | 2,584 | 1,112 | - | - | - | - | - | - | - | - |
| Total | | 8,327 | 8,634 | 6,256 | 5,779 | 6,639 | 5,910 | 5,287 | 4,781 | 5,795 | 12,617 |

Source : Albion Fisheries Research Centre, Ministry of Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Islands.

¹Revised ²Provisional ³Estimates ⁴Includes deepwater shrimp fishery catch as from 2010 ⁵As from 2011, Mauritius flagged industrial longliners ceased operation

⁶As from 2013, Mauritius flagged purse seiners started operation

Table 2.16 - Annual fish catch of the coastal (artisanal) fishery by gear - type, 2005 - 2014

| Tonnes | | | | | | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Gear-type | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Basket trap | 433.8 | 343.8 | 251.2 | 270.9 | 257.8 | 266.5 | 302.8 | 274.6 | 208.1 | 172.1 |
| Line | 288.8 | 303.7 | 169.9 | 178.7 | 227.2 | 226.7 | 185.3 | 180.1 | 150.4 | 164.1 |
| Basket trap and Line | 16.8 | 19.6 | 16.2 | 13.9 | 18.3 | 27.9 | 24.9 | 20.4 | 33.6 | 38.5 |
| Large net | 121.5 | 201.1 | 132.7 | 143.6 | 222.9 | 213.5 | 281.0 | 171.0 | 117.2 | 52.8 |
| Gill net | 8.2 | 11.3 | 7.6 | 6.7 | 11.3 | 7.6 | 23.9 | 6.5 | 7.2 | 3.8 |
| Cast net/Harpoon/on foot | 78.2 | 70.5 | 62.4 | 68.2 | 82.8 | 89.1 | 74.3 | 52.0 | 42.8 | 28.1 |
| Total | 947.3 | 950.0 | 640.0 | 682.0 | 820.3 | 831.3 | 892.2 | 704.6 | 559.3 | 459.4 |

Source : Albion Fisheries Research Centre, Ministry of Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Islands.

Table 2.17 - Annual catch by banks, 2005 - 2014

| Tonnes ¹ | | | | | | | | |
|---------------------|---------------|----------|--------------------------|--------|---------|--------|------------------------|--------------|
| Year | Saya de Malha | Nazareth | St. Brandon ² | Soudan | NW Bank | Chagos | Albatross ³ | Total catch |
| 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 | 885 | 868 | 158 | - | - | - | 167 | 2,078 |
| 2012 | 1,064 | 545 | 179 | - | - | - | 241 | 2,029 |
| 2013 ⁴ | 986 | 971 | 219 | 7 | 5 | - | 135 | 2,323 |
| 2014 ⁵ | 825 | 905 | 242 | 10 | 1 | - | 95 | 2,078 |

Source : Albion Fisheries Research Centre, Ministry of Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Islands.

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. Brandor ⁴ Revised ⁵ Provisional

Table 2.18 - Aquaculture production by species, 2010 - 2014

| Fish species | Unit | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|--------|--------|--------|--------|--------|--------|
| Berri Rouge (Freshwater) | Tonnes | 62.1 | 71.1 | 72.0 | 75.0 | 70.0 |
| Freshwater prawn | Tonnes | 3.0 | 3.0 | 2.8 | 3.3 | 0.5 |
| Marine fish (Barachois) | Tonnes | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Mangrove crabs (Barachois) | Tonnes | 1.0 | 1.2 | 1.2 | 1.2 | 1.0 |
| Floating cage fish (Red drum/seabream etc.) | Tonnes | 498.4 | 458.0 | 432.0 | 340.0 | 680.0 |
| Oyster ¹ | Unit | 90,000 | 85,000 | 85,000 | 85,000 | 85,000 |

Source : Albion Fisheries Research Centre, Ministry of Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Islands.

¹ estimates

Table 2.19 - Import, export and trade balance of fish and fish products, 2005 - 2014

| Year | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 ¹ | 2014 ² |
|---|---------|---------|---------|---------|---------|---------|---------|---------|-------------------|-------------------|
| Imports | | | | | | | | | | |
| Quantity (tonnes) | 105,000 | 151,000 | 129,000 | 149,000 | 139,000 | 156,000 | 163,000 | 158,000 | 169,000 | 179,000 |
| Value (Rupees million) | 4,266 | 6,687 | 7,066 | 8,474 | 7,055 | 7,869 | 9,280 | 10,968 | 11,880 | 10,353 |
| Exports | | | | | | | | | | |
| Quantity (tonnes) | 66,881 | 79,580 | 86,184 | 83,482 | 87,820 | 101,927 | 89,490 | 102,363 | 108,420 | 126,620 |
| Value (Rupees million) | 4,785 | 7,077 | 8,172 | 7,932 | 9,017 | 10,182 | 9,481 | 12,735 | 14,599 | 13,934 |
| Trade Balance (Rupees million) | 519 | 390 | 1,106 | 542 | 1,962 | 2,313 | 201 | 1,767 | 2,719 | 3,581 |

Source : Albion Fisheries Research Centre, Ministry of Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Islands.

¹ Revised

² Provisional

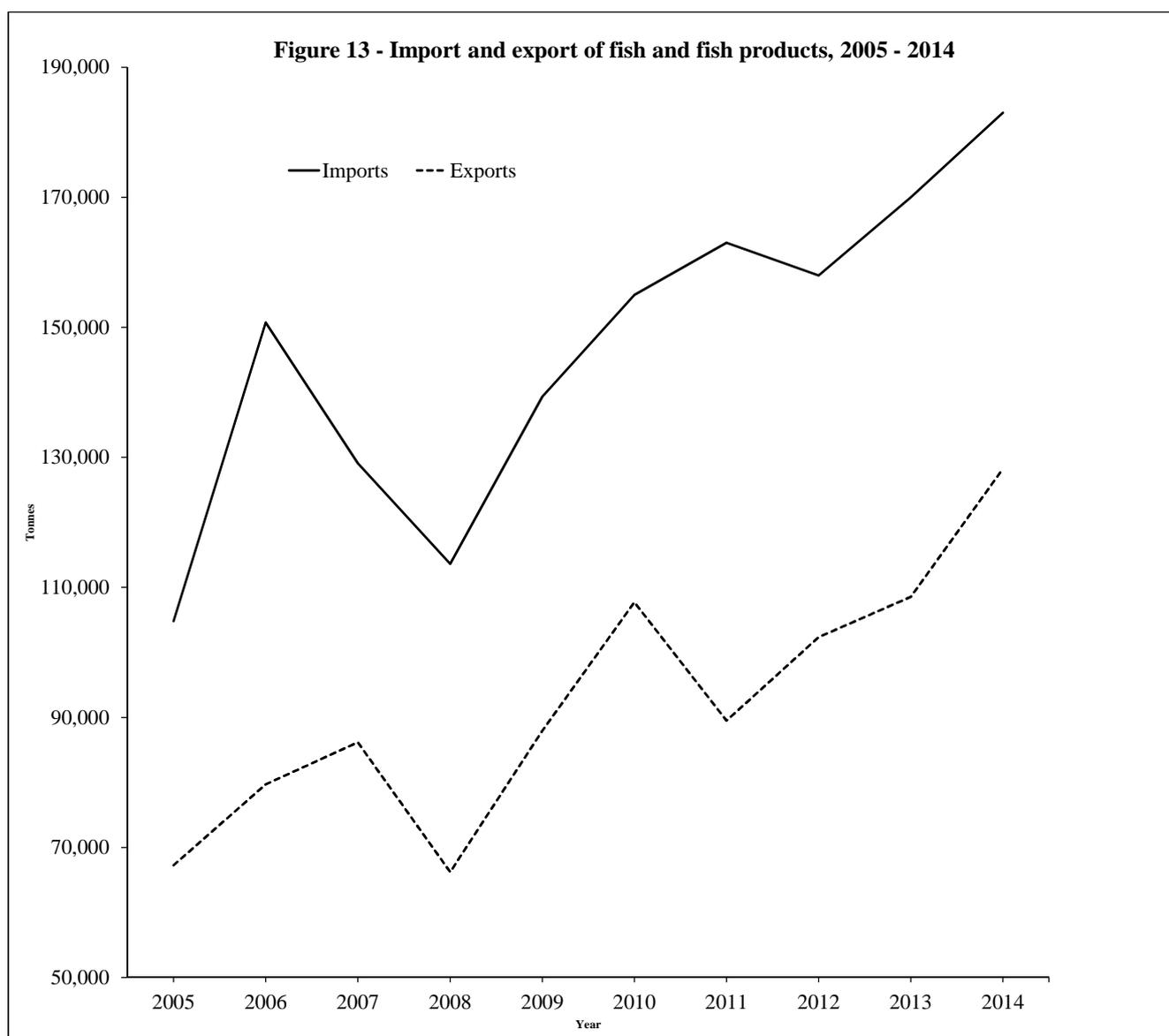


Table 2.20 - Agricultural crops - Area harvested and production, 2005 - 2014

| Year | Sugarcane | | Tobacco | | Foodcrops | | Tea | |
|-------------------|---------------------------|---------------------|---------------------------|---------------------|---------------------------|---------------------|-----------------------------------|---------------------|
| | Area harvested (hectares) | Production (tonnes) | Area harvested (hectares) | Production (tonnes) | Area harvested (hectares) | Production (tonnes) | Area under cultivation (hectares) | Production (tonnes) |
| 2005 | 68,351 | 4,984,058 | 267 | 291 | 6,901 | 96,782 | 670 | 6,798 |
| 2006 | 66,732 | 4,748,973 | 263 | 298 | 7,207 | 106,902 | 688 | 7,649 |
| 2007 | 64,260 | 4,235,849 | 258 | 316 | 6,740 | 99,130 | 709 | 8,027 |
| 2008 | 62,024 | 4,533,300 | 260 | 333 | 6,266 | 93,021 | 701 | 8,672 |
| 2009 | 60,380 | 4,667,235 | 255 | 345 | 7,083 | 113,943 | 713 | 7,663 |
| 2010 | 58,709 | 4,365,833 | 210 | 282 | 7,570 | 114,844 | 698 | 7,370 |
| 2011 | 56,668 | 4,230,174 | 222 | 345 | 7,484 | 115,934 | 651 | 8,975 |
| 2012 | 54,140 | 3,947,285 | 173 | 245 | 8,124 | 121,106 | 669 | 7,947 |
| 2013 ¹ | 53,464 | 3,815,782 | 2 | 1 | 8,189 | 118,121 | 672 | 7,981 |
| 2014 ² | 50,687 | 4,044,422 | - | - | 8,208 | 110,366 | 672 | 7,607 |

¹ Revised ² Provisional - No production

Table 2.21 - Imports of crops, Republic of Mauritius, 2005 - 2014

| | Tonnes | | | | | | | | | |
|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Commodity | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Cereals and products | | | | | | | | | | |
| Wheat | 148,109 | 140,260 | 157,563 | 104,140 | 166,018 | 163,540 | 107,263 | 166,558 | 163,422 | 143,049 |
| Wheaten flour | 4,456 | 28 | 155 | 13,193 | 22 | 26 | 23,508 | 1,981 | 4,334 | 2,728 |
| Rice Ration | 21,000 | 16,000 | 12,900 | 21,366 | 23,300 | 17,175 | 18,965 | 17,509 | 20,343 | 19,374 |
| Rice Luxurious | 40,849 | 44,983 | 49,822 | 47,368 | 54,033 | 63,455 | 39,209 | 38,284 | 39,894 | 37,719 |
| Maize | 89,126 | 77,144 | 74,189 | 90,455 | 81,538 | 94,617 | 92,777 | 93,367 | 99,741 | 90,225 |
| Oats | 183 | 154 | 152 | 162 | 201 | 261 | 191 | 94 | 180 | 53 |
| Malt | 5,908 | 5,234 | 5,720 | 5,788 | 5,567 | 5,994 | 5,842 | 5,175 | 5,026 | 5,188 |
| Other cereals (unmilled) | 87 | 126 | 160 | 155 | 149 | 148 | 93 | 172 | 199 | 26 |
| Other cereals | 734 | 669 | 531 | 499 | 606 | 579 | 801 | 1,384 | 1,585 | 1,594 |
| Cereals preparations | 11,278 | 11,652 | 13,819 | 15,226 | 15,864 | 16,098 | 16,854 | 18,643 | 18,092 | 19,133 |
| Roots, tubers and products | | | | | | | | | | |
| Potatoes | 10,576 | 9,995 | 9,463 | 9,152 | 8,808 | 7,690 | 8,272 | 8,824 | 6,676 | 7,462 |
| Sweet potatoes | 125 | 1 | - | - | - | - | - | - | - | - |
| Cassava (Manioc) | - | 12 | 9 | - | - | - | - | - | - | - |
| Tapioca & Sago | 314 | 487 | 531 | 391 | 339 | 517 | 454 | 405 | 427 | 12 |
| Sugar and syrups | | | | | | | | | | |
| Cane sugar | 38,423 | 40,922 | 35,552 | 44,841 | 33,299 | 26,945 | 17,689 | 18,601 | 29,857 | 46,394 |
| Other sugars | 656 | 546 | 484 | 542 | 572 | 834 | 685 | 596 | 331 | 548 |
| Sugar preparations | 1,685 | 1,886 | 2,187 | 1,909 | 1,815 | 2,061 | 1,902 | 2,318 | 2,319 | 2,146 |
| Honey | 143 | 31 | 139 | 111 | 90 | 121 | 113 | 233 | 217 | 202 |
| Pulses | | | | | | | | | | |
| Beans, dry | 1,359 | 1,078 | 1,487 | 957 | 1,293 | 1,089 | 1,306 | 1,279 | 1,111 | 1,347 |
| Broad beans, dry | 835 | 1,519 | 1,907 | 1,357 | 1,094 | 2,588 | 1,576 | 1,704 | 2,297 | 1,494 |
| Lentils | 3,095 | 3,449 | 3,230 | 2,421 | 3,529 | 3,048 | 3,067 | 2,910 | 3,427 | 3,563 |
| Peas, dry | 4,586 | 4,423 | 5,253 | 4,790 | 4,162 | 4,745 | 4,052 | 4,485 | 4,647 | 4,396 |
| Other pulses | 2,632 | 1,873 | 1,971 | 1,490 | 1,920 | 2,019 | 2,200 | 1,977 | 2,112 | 2,046 |

Table 2.21 (cont'd) - Imports of crops, Republic of Mauritius, 2005 - 2014

| | Tonnes | | | | | | | | | |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Commodity | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Tree nuts | | | | | | | | | | |
| Tree nuts | 190 | 180 | 188 | 280 | 254 | 269 | 312 | 255 | 292 | 337 |
| Oilcrops | | | | | | | | | | |
| Coconuts | 1,831 | 1,865 | 1,870 | 1,596 | 1,636 | 1,307 | 1,284 | 1,533 | 1,477 | 1,421 |
| Groundnuts (in shells or not) | 1,401 | 1,533 | 1,602 | 1,695 | 1,137 | 1,573 | 1,637 | 1,346 | 1,659 | 1,192 |
| Other oilcrops | 484 | 417 | 511 | 495 | 544 | 473 | 491 | 876 | 653 | 700 |
| Vegetables and products | | | | | | | | | | |
| <i>Fresh:</i> | | | | | | | | | | |
| Cabbage | 29 | 12 | 57 | 25 | 28 | 12 | 17 | 18 | 16 | 20 |
| Carrots | 239 | 4 | 279 | 312 | 185 | 31 | 8 | 12 | 231 | 74 |
| Cauliflower | 22 | 23 | 33 | 35 | 36 | 34 | 37 | 38 | 48 | 48 |
| Cucumbers | 7 | 11 | 19 | 13 | 3 | 1 | 6 | 5 | - | 1 |
| Lettuce | - | - | - | - | 119 | 109 | 87 | 101 | 168 | 119 |
| Onions, dry | 11,110 | 11,798 | 11,628 | 10,993 | 12,840 | 11,345 | 11,573 | 9,505 | 8,660 | 10,915 |
| Tomatoes | - | - | - | - | - | 5 | 16 | 30 | 56 | 44 |
| Other fresh vegetables | 486 | 450 | 616 | 562 | 220 | 192 | 233 | 311 | 215 | 280 |
| <i>Prepared/preserved vegetables</i> | | | | | | | | | | |
| Asparagus | 27 | 20 | 29 | 43 | 4 | 29 | 30 | 27 | 23 | 18 |
| Mushroom | 1,045 | 807 | 1,012 | 1,647 | 974 | 1,186 | 1,239 | 1,048 | 1,287 | 1,191 |
| Potatoes | 1,356 | 1,355 | 1,683 | 1,886 | 2,163 | 2,686 | 3,087 | 3,467 | 3,386 | 4,074 |
| Sweet corn | 636 | 581 | 1,080 | 964 | 1,268 | 1,095 | 1,450 | 1,381 | 1,346 | 1,345 |
| Tomatoes | 4,129 | 3,171 | 4,944 | 3,556 | 4,362 | 6,211 | 3,983 | 5,443 | 6,125 | 7,714 |
| Other vegetables preparations | 2,890 | 3,150 | 3,122 | 3,651 | 3,658 | 4,027 | 4,257 | 5,351 | 5,695 | 6,444 |
| Frozen vegetables | 552 | 703 | 787 | 768 | 1,031 | 998 | 1,114 | 1,067 | 1,304 | 1,330 |

Table 2.21 (cont'd) - Imports of crops, Republic of Mauritius, 2005 - 2014

| | Tonnes | | | | | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Commodity | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Fruits and products | | | | | | | | | | |
| <i>Fresh:</i> | | | | | | | | | | |
| Oranges | 3,491 | 3,852 | 4,291 | 4,356 | 4,452 | 4,102 | 4,220 | 4,970 | 5,013 | 4,764 |
| Lemons | 614 | 540 | 593 | 652 | 679 | 656 | 705 | 772 | 817 | 1,010 |
| Mandarins | 1,716 | 2,072 | 1,397 | 1,659 | 1,478 | 2,150 | 1,716 | 1,965 | 2,223 | 2,831 |
| Other citrus fruits | 686 | 710 | 519 | 802 | 782 | 783 | 812 | 828 | 902 | 1,020 |
| Apples | 4,985 | 4,912 | 5,083 | 5,732 | 6,138 | 4,950 | 5,368 | 5,253 | 6,020 | 5,322 |
| Bananas | 40 | - | - | - | - | - | - | - | - | - |
| Grapes | 1,460 | 1,510 | 1,475 | 1,723 | 1,625 | 1,671 | 1,526 | 1,818 | 1,835 | 1,835 |
| Pineapples | 117 | - | - | 2 | - | - | 1 | 3 | 1 | 2 |
| Other fresh fruits | 2,910 | 2,548 | 3,226 | 3,463 | 3,454 | 3,637 | 3,518 | 4,004 | 3,862 | 4,387 |
| <i>Other:</i> | | | | | | | | | | |
| Raisins | 346 | 229 | 157 | 282 | 241 | 261 | 186 | 244 | 228 | 275 |
| Other dried fruits | 776 | 886 | 722 | 896 | 644 | 950 | 760 | 1,098 | 1,020 | 1,035 |
| Preserved fruits | 2,575 | 2,404 | 2,525 | 2,796 | 2,664 | 2,350 | 2,347 | 2,433 | 2,176 | 2,481 |
| Fruit & vegetable juices | 3,884 | 3,685 | 4,683 | 6,128 | 6,347 | 6,300 | 6,424 | 7,760 | 81,574 | 32,775 |
| Stimulants | | | | | | | | | | |
| Tea | 12 | 34 | 34 | 26 | 28 | 41 | 48 | 47 | 78 | 69 |
| Coffee | 507 | 554 | 549 | 587 | 643 | 499 | 572 | 581 | 645 | 671 |
| Cocoa beans, cocoa preparations and chocolate | 1,566 | 1,641 | 1,730 | 1,894 | 1,980 | 1,886 | 2,010 | 2,145 | 2,358 | 2,486 |
| Spices | | | | | | | | | | |
| Chillies | - | - | - | 265 | 295 | 252 | 187 | 158 | 155 | 229 |
| Garlic | 1,366 | 1,680 | 1,482 | 1,593 | 1,649 | 1,792 | 1,571 | 1,624 | 1,570 | 1,683 |
| Ginger | 8 | 14 | 5 | 3 | 9 | 3 | 23 | 9 | 14 | 13 |
| Pimento (dried chillies) | 431 | 314 | 482 | 397 | 481 | 469 | 364 | 399 | 423 | 376 |
| Other spices | 1,400 | 1,142 | 1,516 | 1,392 | 1,319 | 1,382 | 1,562 | 1,626 | 1,398 | 1,672 |

Table 2.22 - Exports of crops, Republic of Mauritius, 2005 - 2014

| | Tonnes | | | | | | | | | |
|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Commodity | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| CEREALS AND PRODUCTS | | | | | | | | | | |
| Wheat | - | 2 | - | - | - | - | - | 2 | - | - |
| Wheaten flour | 17,413 | 15,942 | 11,509 | 6,223 | 22,811 | 25,900 | 15,542 | 19,370 | 18,988 | 16,918 |
| Ration | - | - | - | - | - | - | - | - | 69 | 3 |
| Luxurious | 79 | 143 | 824 | 300 | 1,540 | 788 | 1,025 | 93 | 693 | 1,165 |
| Maize | 302 | 2,964 | 21 | 558 | 58 | 3 | 684 | 560 | 1,287 | - |
| Oats | - | - | - | - | 1 | - | - | - | - | - |
| Malt | - | - | - | 54 | - | 1 | 55 | - | - | - |
| Other cereals (unmilled) | - | - | - | 6 | - | - | - | - | - | - |
| Other cereals | 351 | 16 | 18 | 18 | 5 | 770 | 22 | 5 | 5 | 12 |
| Cereals preparations | 4,468 | 5,062 | 6,773 | 6,481 | 6,336 | 8,051 | 9,934 | 11,012 | 12,724 | 12,724 |
| ROOTS, TUBERS AND PRODUCTS | | | | | | | | | | |
| Potatoes | - | 6 | - | - | - | - | - | 106 | 16 | - |
| Tapioca & Sago | 4 | - | 11 | 7 | 10 | - | - | - | - | - |
| SUGARS AND SYRUPS | | | | | | | | | | |
| Cane sugar | 539,411 | 542,116 | 442,175 | 427,214 | 343,541 | 435,105 | 410,877 | 357,724 | 420,909 | 420,530 |
| Other sugars | 16 | 44 | 4 | 19 | 25 | 50 | 66 | 62 | 11 | 15 |
| Sugar preparations | 232 | 442 | 343 | 281 | 179 | 745 | 749 | 718 | 786 | 786 |
| Honey | 1 | 3 | 3 | 1 | 1 | 3 | 3 | 1 | 2 | 2 |
| PULSES | | | | | | | | | | |
| Beans, dry | 1 | - | - | 3 | 25 | 31 | 75 | 82 | 135 | 74 |
| Broad beans, dry | - | - | - | 100 | 74 | 443 | 628 | 253 | 675 | 259 |
| Lentils | 13 | 3 | 4 | 39 | 9 | 4 | 6 | 2 | 170 | 145 |
| Peas, dry | 1 | 1 | 2 | 1 | 3 | 2 | 3 | 3 | 2 | 9 |
| Other pulses | 2 | 1 | 4 | 22 | 3 | - | 5 | 1 | 1 | 5 |

Table 2.22 (cont'd) - Exports of crops, Republic of Mauritius, 2005 - 2014

Tonnes

| Commodity | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE NUTS | | | | | | | | | | |
| Tree nuts | 2 | 21 | 34 | 7 | 6 | 6 | 2 | 1 | 1 | 2 |
| OILCROPS | | | | | | | | | | |
| Coconuts | 6 | 6 | 14 | 6 | 4 | 2 | - | 4 | 1 | - |
| Groundnuts (in shells or not) | 5 | 8 | 5 | 20 | 2 | 40 | 47 | - | - | 22 |
| Other oilcrops | 15 | 2 | 2 | 1 | 2 | 1 | 93 | 5 | 12 | - |
| VEGETABLES AND PRODUCTS | | | | | | | | | | |
| <i>Fresh:</i> | | | | | | | | | | |
| Cabbage | 2 | 1 | - | 1 | - | 18 | - | - | - | - |
| Cauliflower | - | - | - | - | - | 1 | - | - | - | - |
| Cucumbers | 2 | 2 | 5 | 5 | 6 | 8 | 10 | 4 | 3 | - |
| Onions, dry | 206 | 50 | 20 | - | 38 | 14 | - | 2 | 4 | 28 |
| Other fresh vegetables | 36 | 51 | 62 | 51 | 35 | 42 | 62 | 73 | 53 | 55 |
| <i>Prepared/preserved vegetables</i> | | | | | | | | | | |
| Mushroom | 3 | 11 | 12 | 19 | 3 | 26 | 8 | 35 | 37 | 34 |
| Potatoes | - | - | - | - | 13 | 10 | 13 | 33 | 15 | 19 |
| Sweet corn | - | 18 | - | 31 | 1 | 12 | 32 | 83 | 93 | 55 |
| Tomatoes | 339 | 221 | 198 | 57 | 13 | 46 | 108 | 167 | 114 | 136 |
| Other vegetables preparations | 226 | 226 | 109 | 251 | 87 | 118 | 126 | 269 | 197 | 359 |
| Frozen vegetables | - | 4 | - | - | 15 | - | 29 | 33 | 21 | 1 |
| FRUITS AND PRODUCTS | | | | | | | | | | |
| <i>Fresh:</i> | | | | | | | | | | |
| Oranges | - | - | - | 45 | 42 | 10 | 21 | 2 | 2 | - |
| Lemons | - | - | - | 68 | 2 | 4 | - | 2 | 2 | - |
| Mandarins | - | - | - | - | - | - | 4 | 14 | 14 | - |

Table 2.22 (cont'd) - Exports of crops, Republic of Mauritius, 2005 - 2014

| Commodity | Tonnes | | | | | | | | | |
|---|--------|------|-------|------|------|-------|-------|-------|-------|-------|
| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Other citrus fruits | 1 | - | 1 | 16 | - | 3 | 14 | 4 | 4 | - |
| Apples | 6 | - | - | 18 | 21 | 9 | - | - | - | - |
| Grapes | 1 | - | - | 5 | 7 | - | - | 6 | 6 | - |
| Pineapples | 869 | 708 | 1,028 | 834 | 721 | 1,122 | 1,440 | 1,638 | 1,708 | 1,816 |
| Other fresh fruits | 349 | 348 | 267 | 291 | 310 | 419 | 360 | 542 | 482 | 385 |
| <i>Other:</i> | | | | | | | | | | |
| Raisins | 1 | 4 | 1 | 5 | 2 | - | 1 | 5 | 1 | 8 |
| Other dried fruits | 3 | 5 | 2 | 17 | 42 | 14 | 7 | 3 | 2 | 4 |
| Preserved fruits | 37 | 33 | 36 | 32 | 57 | 58 | 56 | 55 | 94 | 68 |
| Fruit & vegetable juices | 155 | 153 | 150 | 89 | 77 | 33 | 288 | 399 | 131 | 102 |
| STIMULANTS | | | | | | | | | | |
| Tea | 53 | 41 | 46 | 37 | 40 | 38 | 35 | 38 | 69 | 53 |
| Coffee | 3 | 4 | 6 | 5 | 12 | 17 | 14 | 34 | 10 | 17 |
| Cocoa beans, cocoa preparations and chocolate | 9 | 17 | 11 | 44 | 17 | 25 | 48 | 28 | 14 | 188 |
| SPICES | | | | | | | | | | |
| Chillies | 25 | 50 | 41 | 51 | - | 24 | 21 | 17 | 10 | 7 |
| Garlic | 22 | 10 | 21 | 10 | 21 | 10 | 1 | 1 | - | - |
| Ginger | - | - | 2 | - | - | - | 9 | 17 | 12 | - |
| Pimento (dried chillies) | 19 | 118 | 62 | 105 | 85 | 76 | 27 | 83 | 45 | 76 |
| Other spices | 50 | 43 | 97 | 35 | 43 | 116 | 56 | 276 | 50 | 100 |

Table 2.23 - Imports and value (c.i.f) of fertilisers and pesticides (Agricultural inputs), 2005- 2014

| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 ¹ | 2014 ² |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|-------------------|
| Fertilizers | | | | | | | | | | |
| Quantity (tonnes) | 61,605 | 55,314 | 45,336 | 46,677 | 57,169 | 46,282 | 54,356 | 52,739 | 45,924 | 53,276 |
| Value CIF (Rs mn) | 537 | 471 | 476 | 935 | 832 | 586 | 816 | 835 | 596 | 682 |
| Pesticides | | | | | | | | | | |
| Quantity (tonnes) | 2,102 | 2,368 | 1,949 | 2,254 | 2,290 | 2,337 | 2,223 | 2,029 | 2,185 | 2,201 |
| Value CIF (Rs mn) | 313 | 398 | 325 | 410 | 389 | 390 | 375 | 363 | 370 | 407 |

¹ Revised

² Provisional

Table 2.24 - Number of small breeders and livestock population by geographical district as at December 2014

| District | Cattle | | Goat | | Sheep | | Pig | |
|------------------------|----------------|--------------|----------------|---------------|----------------|--------------|----------------|---------------|
| | No. of farmers | No. of heads | No. of farmers | No. of heads | No. of farmers | No. of heads | No. of farmers | No. of heads |
| Pamplemousses | 109 | 465 | 475 | 4,384 | 42 | 528 | 44 | 927 |
| Riviere du Rempart | 195 | 1,428 | 533 | 5,812 | 55 | 744 | 31 | 229 |
| Flacq | 146 | 495 | 793 | 6,355 | 29 | 258 | 70 | 2,643 |
| Plaines Wilhems | 68 | 594 | 64 | 953 | 7 | 157 | 19 | 629 |
| Moka | 69 | 1,102 | 45 | 526 | 0 | 0 | 10 | 239 |
| Grand Port | 85 | 600 | 236 | 2,632 | 13 | 209 | 39 | 1,065 |
| Savanne | 61 | 651 | 211 | 2,212 | 40 | 437 | 15 | 283 |
| Black River/Port Louis | 83 | 706 | 296 | 3,684 | 19 | 390 | 216 | 11,496 |
| Total | 816 | 6,041 | 2,653 | 26,558 | 205 | 2,723 | 444 | 17,511 |

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

Table 2.25 - Livestock herd and poultry status by geographical district as at December 2014

| 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 | 109 | 163 | 20 | 128 | 154 | 465 | 44 | 30 | 170 | 282 | 366 | 79 | 927 |
| Riviere du Rempart | 195 | 429 | 114 | 312 | 573 | 1,428 | 31 | 12 | 32 | 86 | 85 | 14 | 229 |
| Flacq | 146 | 164 | 39 | 151 | 141 | 495 | 70 | 55 | 255 | 758 | 1,488 | 87 | 2,643 |
| Plaines Wilhems | 68 | 262 | 45 | 153 | 134 | 594 | 19 | 22 | 125 | 174 | 279 | 29 | 629 |
| Moka | 69 | 590 | 131 | 190 | 191 | 1,102 | 10 | 12 | 53 | 76 | 81 | 17 | 239 |
| Grand Port | 85 | 219 | 15 | 263 | 103 | 600 | 39 | 32 | 243 | 340 | 389 | 61 | 1,065 |
| Savanne | 61 | 253 | 140 | 94 | 164 | 651 | 15 | 6 | 44 | 70 | 144 | 19 | 283 |
| Black River/Port Louis | 83 | 288 | 73 | 144 | 201 | 706 | 216 | 196 | 1,471 | 3,221 | 6,302 | 306 | 11,496 |
| Total | 816 | 2,368 | 577 | 1,435 | 1,661 | 6,041 | 444 | 365 | 2,393 | 5,007 | 9,134 | 612 | 17,511 |

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

Table 2.25 (cont'd) - Livestock herd and poultry status by geographical district as at December 2014

| 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 | 42 | 106 | 29 | 393 | 528 | 475 | 574 | 1,225 | 2,585 | 4,384 | 22 | 28,200 | 28 | 29,256 |
| Riviere du Rempart | 55 | 201 | 62 | 481 | 744 | 533 | 499 | 1,691 | 3,622 | 5,812 | 47 | 121,435 | 36 | 18,250 |
| Flacq | 29 | 91 | 62 | 105 | 258 | 793 | 750 | 1,909 | 3,696 | 6,355 | 35 | 43,260 | 46 | 14,774 |
| Plaines Wilhems | 7 | 25 | 71 | 61 | 157 | 64 | 153 | 429 | 371 | 953 | 19 | 40,150 | 22 | 41,133 |
| Moka | 0 | 0 | 0 | 0 | 0 | 45 | 107 | 234 | 185 | 526 | 22 | 32,950 | 10 | 8,800 |
| Grand Port | 13 | 55 | 69 | 85 | 209 | 236 | 568 | 751 | 1,313 | 2,632 | 19 | 13,355 | 29 | 6,112 |
| Savanne | 40 | 54 | 214 | 169 | 437 | 211 | 242 | 739 | 1,231 | 2,212 | 57 | 63,119 | 33 | 7,354 |
| Black River/Port Louis | 19 | 30 | 149 | 211 | 390 | 296 | 308 | 1,380 | 1,996 | 3,684 | 27 | 40,950 | 43 | 9,331 |
| Total | 205 | 562 | 656 | 1,505 | 2,723 | 2,653 | 3,201 | 8,358 | 14,999 | 26,558 | 248 | 383,419 | 247 | 135,010 |

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

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

Table 2.26 - Livestock slaughtered ¹, 2010 - 2014

| Type of livestock | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | |
|----------------------------|--------------|-------------------------|--------------|-------------------------|--------------|-------------------------|--------------|-------------------------|--------------|-------------------------|
| | No. of Heads | Carcass weight (tonnes) | No. of Heads | Carcass weight (tonnes) | No. of Heads | Carcass weight (tonnes) | No. of Heads | Carcass weight (tonnes) | No. of Heads | Carcass weight (tonnes) |
| Cattle | 8,473 | 2,194.4 | 8,282 | 2,022.8 | 8,425 | 1,986.1 | 8,884 | 1,946.2 | 7,634 | 1,955.7 |
| <i>Local</i> | <i>361</i> | <i>75.1</i> | <i>605</i> | <i>103.0</i> | <i>1,156</i> | <i>171.6</i> | <i>507</i> | <i>85.4</i> | <i>246</i> | <i>44.3</i> |
| <i>Rodrigues</i> | <i>89</i> | <i>13.3</i> | <i>214</i> | <i>33.1</i> | <i>61</i> | <i>8.5</i> | <i>36</i> | <i>4.5</i> | <i>122</i> | <i>15.9</i> |
| <i>Imported</i> | <i>8,023</i> | <i>2,106.0</i> | <i>7,463</i> | <i>1,886.7</i> | <i>7,208</i> | <i>1,806.0</i> | <i>8,341</i> | <i>1,856.3</i> | <i>7,266</i> | <i>1,895.5</i> |
| Goat | 5,243 | 51.1 | 6,094 | 51.2 | 4,753 | 41.7 | 4,679 | 41.2 | 4,033 | 37.1 |
| <i>Local and Rodrigues</i> | <i>3,450</i> | <i>28.8</i> | <i>5,664</i> | <i>45.0</i> | <i>4,358</i> | <i>35.8</i> | <i>3,756</i> | <i>30.5</i> | <i>3,372</i> | <i>28.1</i> |
| <i>Imported</i> | <i>1,793</i> | <i>22.3</i> | <i>430</i> | <i>6.2</i> | <i>395</i> | <i>5.9</i> | <i>923</i> | <i>10.7</i> | <i>661</i> | <i>9.0</i> |
| Sheep | 841 | 17.1 | 627 | 10.6 | 577 | 9.5 | 318 | 5.2 | 473 | 7.5 |
| <i>Local and Rodrigues</i> | <i>545</i> | <i>9.4</i> | <i>377</i> | <i>5.1</i> | <i>319</i> | <i>4.6</i> | <i>200</i> | <i>2.6</i> | <i>310</i> | <i>4.3</i> |
| <i>Imported</i> | <i>296</i> | <i>7.7</i> | <i>250</i> | <i>5.5</i> | <i>258</i> | <i>4.9</i> | <i>118</i> | <i>2.6</i> | <i>163</i> | <i>3.2</i> |
| Pigs | 8,886 | 623.0 | 9,540 | 650.3 | 9,990 | 652.9 | 9,656 | 615.4 | 8,516 | 556.5 |

¹ Abattoir slaughtered only

Table 2.27 - Water balance, 2005 - 2014Mm³

| Year | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Rainfall (Precipitation) | 4,431 | 3,570 | 3,629 | 4,441 | 4,444 | 3,368 | 3,633 | 3,023 | 3,965 | 3,905 |
| <i>Surface runoff</i> | 2,659 | 2,142 | 2,177 | 2,665 | 2,667 | 2,021 | 2,180 | 1,814 | 2,379 | 2,343 |
| <i>Evapotranspiration</i> | 1,329 | 1,071 | 1,089 | 1,332 | 1,333 | 1,010 | 1,090 | 907 | 1,189 | 1,172 |
| <i>Net recharge to groundwater</i> | 443 | 357 | 363 | 444 | 444 | 337 | 363 | 302 | 397 | 390 |

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

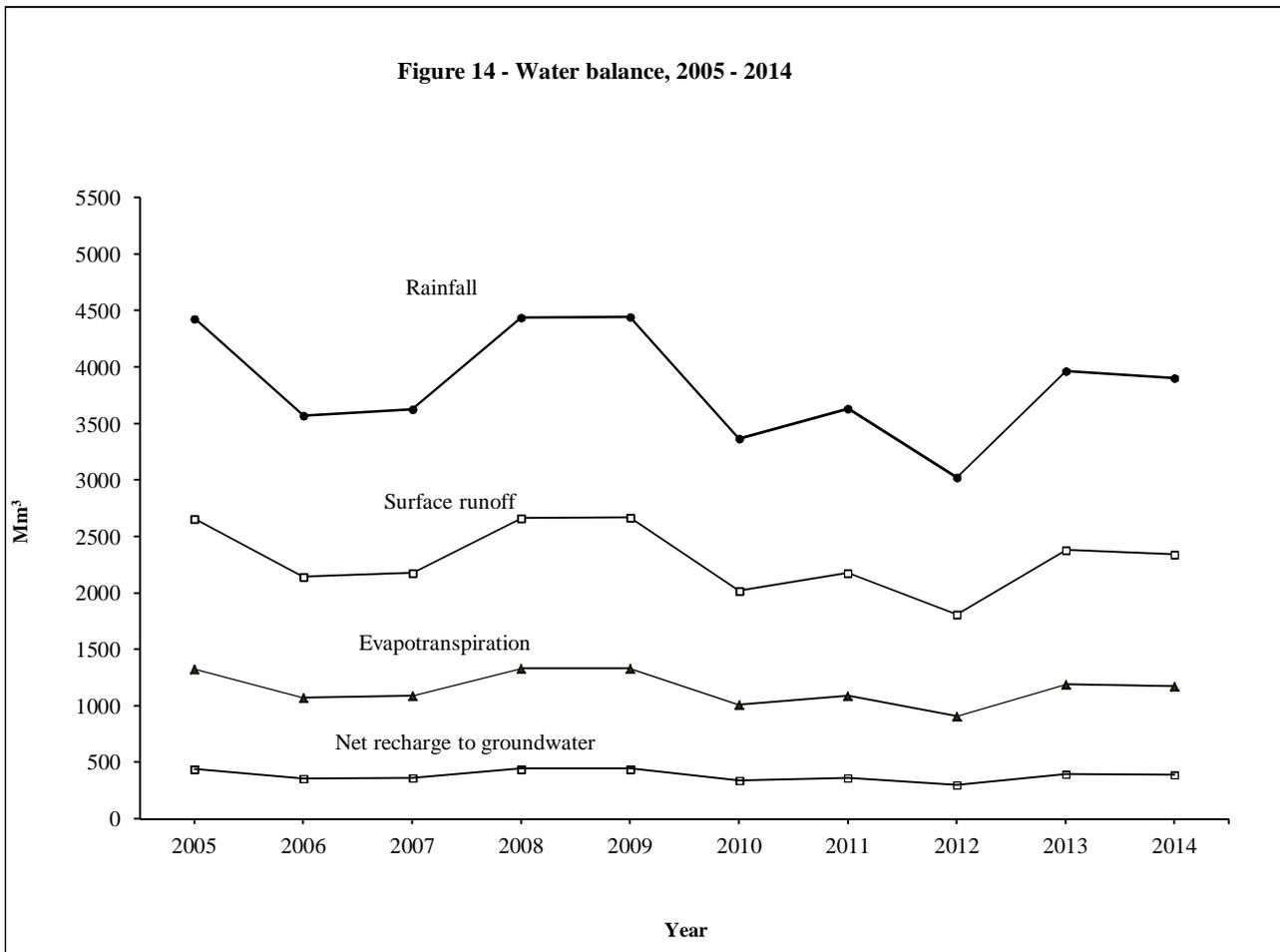
Figure 14 - Water balance, 2005 - 2014

Table 2.28 - Surface water stock in main rivers, 2014

| River | Location | Average Annual Flow ¹ (Mm³) |
|---|------------------------|--|
| Riviere Rempart | La Nicoliere | 6.42 |
| Riviere Francoise | Constance | 21.81 |
| Riviere Seche | Bel Air | 44.50 |
| Riviere Rempart | Bois Clair Dam | 27.72 |
| Riviere Bateau | Belle Rive | 7.90 |
| Riviere Vacoas | Belle Rive | 1.47 |
| Riviere Gontran | Dubreuil | 1.69 |
| Total Grand River South East ² | La Pipe | 63.10 |
| Deep River | Pont Lardier | 74.10 |
| Riviere Francoise | Montagne Maurice | 21.21 |
| Grand River South East | Beau Champ | 115.07 |
| Riviere Des Creoles | Riche en Eau | 113.31 |
| Riviere La Chaux | Beau Vallon | 56.37 |
| Riviere Citron | Nouvelle France | 13.58 |
| Riviere Du Poste | La Flora | 35.45 |
| Riviere Dragon | Batymarais | 14.46 |
| Riviere Des Anguilles | Riv. Des Anguilles | 54.22 |
| Riviere Patates | Mont Blanc | 11.70 |
| Riviere Des Galets | Chamouny | 19.09 |
| Riviere Baie du Cap | Chamarel | 14.30 |
| Riviere Plaines Wilhems | Trianon Bridge | 17.58 |
| Riviere Terre Rouge | Trianon | 14.19 |
| Riviere Cascade | Reduit | 23.41 |
| Riviere Profonde | Petit Verger | 11.74 |
| Riviere Labourdonnais | Calebasses Road Bridge | 6.55 |
| Riviere Calebasses | Calebasses | 17.32 |
| Riviere Citronnier | Poudre D'or | 5.62 |

Source: Water Resources Unit

¹ A 10 year (2001 - 2010) average of the annual volume of water measured at the flow measuring station on the concerned river

² To note that La Nicoliere Feeder Canal (LNFC) has its offtake just upstream of the point of measurement for the flow in Grand River South East (GRSE). Total GRSE refer to flow of GRSE and flow diverted to LNFC.

Table 2.29 - Fresh water abstractions¹ by source, 2005 - 2014²

| Source | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Gross fresh surface water abstraction | 541 | 528 | 518 | 497 | 511 | 513 | 449 | 460 | 487 | 489 |
| <i>Reservoirs</i> | 154 | 146 | 145 | 137 | 150 | 152 | 104 | 121 | 136 | 141 |
| <i>Rivers and streams</i> | 387 | 382 | 373 | 360 | 361 | 361 | 345 | 339 | 351 | 348 |
| Gross ground water abstraction | 150 | 154 | 112 | 119 | 121 | 124 | 122 | 122 | 121 | 131 |
| Total | 691 | 682 | 630 | 616 | 632 | 637 | 571 | 582 | 608 | 620 |

Mm³

Source: Water Resources Unit

¹ For agricultural, domestic and industrial purposes.² Hydrologic year (i.e. From November n-1 to October n, where n = year)**Table 2.30 - Fresh water abstractions¹ by sector, 2005 - 2014**

| Sector | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Gross fresh surface water abstraction | 541 | 528 | 518 | 497 | 511 | 513 | 449 | 460 | 487 | 489 |
| <i>Water supply industry (Central Water Authority)</i> | 99 | 100 | 102 | 107 | 112 | 110 | 94 | 97 | 112 | 115 |
| <i>Manufacturing</i> | - | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 7 |
| <i>Agriculture, forestry and fishing</i> | 442 | 423 | 411 | 385 | 394 | 398 | 350 | 358 | 368 | 367 |
| Gross ground water abstraction | 150 | 154 | 112 | 119 | 121 | 124 | 122 | 122 | 121 | 131 |
| <i>Water supply industry (Central Water Authority)</i> | 115 | 116 | 99 | 107 | 111 | 113 | 111 | 109 | 108 | 119 |
| <i>Manufacturing</i> | 11 | 13 | 6 | 6 | 5 | 5 | 5 | 6 | 6 | 6 |
| <i>Agriculture, forestry and fishing</i> | 24 | 25 | 7 | 6 | 5 | 6 | 6 | 7 | 7 | 6 |
| Total | 691 | 682 | 630 | 616 | 632 | 637 | 571 | 582 | 608 | 620 |

Mm³

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 2.31 - Water utilisation, 2013 - 2014

Mm³

| Use | 2013 | | | | 2014 | | | |
|----------------------------------|--------------------|------------------|--------------|------------|--------------------|------------------|--------------|------------|
| | Surface water | | Ground water | Total | Surface water | | Ground water | Total |
| | River-run offtakes | Reservoirs | | | River-run offtakes | Reservoirs | | |
| Domestic, Industrial and Tourism | 34 ¹ | 78 | 108 | 220 | 35 ¹ | 80 | 119 | 234 |
| Industrial | 5 | 2 ² | 6 | 13 | 5 | 2 ² | 6 | 13 |
| Agricultural | 312 | 56 ³ | 7 | 375 | 308 | 59 ³ | 6 | 373 |
| Hydropower | 146 ⁴ | 134 ⁵ | - | 280 | 150 ⁴ | 125 ⁵ | - | 275 |
| Overall utilisation | 497 | 270 | 121 | 888 | 498 | 266 | 131 | 895 |
| Total water mobilisation | 465 | 224 | 121 | 810 | 469 | 213 | 131 | 813 |

Source: Water Resources Unit of the Ministry of Energy and Public Utilities.

¹ Used also for Reduit hydropower station

² Used by IPP (formerly accounted in agricultural purpose)

³ Used also for Tamarind Falls, Magenta and La Ferme hydropower stations

⁴ Used also twice for Le Val and Ferney hydropower stations

⁵ Used also twice for Tamarind Falls and Magenta hydropower stations

Figure 15 - Water utilisation, 2014

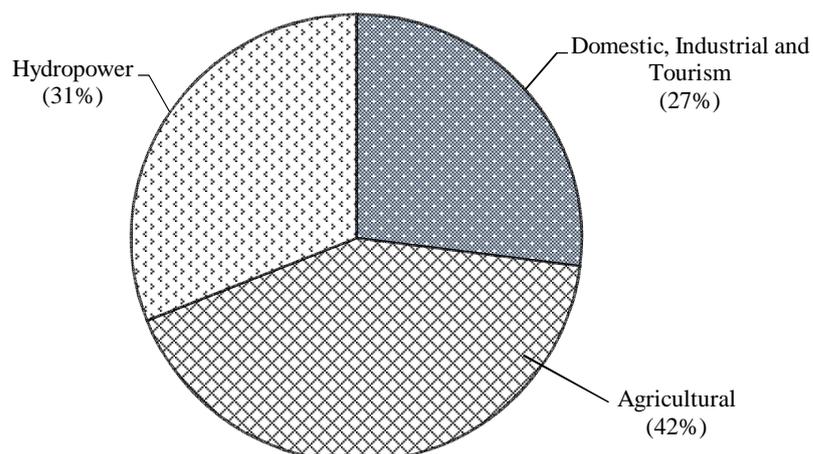


Table 2.32 - Volume of treated effluent from wastewater treatment plants used for irrigation, 2006 - 2014

| Year | Irrigation |
|-------------|-------------------|
| 2006 | 9,069,960 |
| 2007 | 10,956,430 |
| 2008 | 10,104,236 |
| 2009 | 271,510 |
| 2010 | - |
| 2011 | 3,347,765 |
| 2012 | 3,991,797 |
| 2013 | 3,432,175 |
| 2014 | 5,144,168 |

Source: Wastewater Management Authority

Note: Discharge to canals (Magenta and La Ferme) stopped in January 2009 and restarted in April 2011

Table 2.33 – Daily per capita domestic and potable water consumption, 2005 – 2014

| Year | Litres/day | |
|-------------------|---|--|
| | Daily per capita domestic water consumption | Daily per capita potable water consumption |
| 2005 | 167 | 215 |
| 2006 | 167 | 216 |
| 2007 | 166 | 217 |
| 2008 | 164 | 214 |
| 2009 | 170 | 222 |
| 2010 | 173 | 227 |
| 2011 | 166 | 218 |
| 2012 | 164 | 214 |
| 2013 ¹ | 165 | 216 |
| 2014 ¹ | 167 | 218 |

Source: Central Water Authority

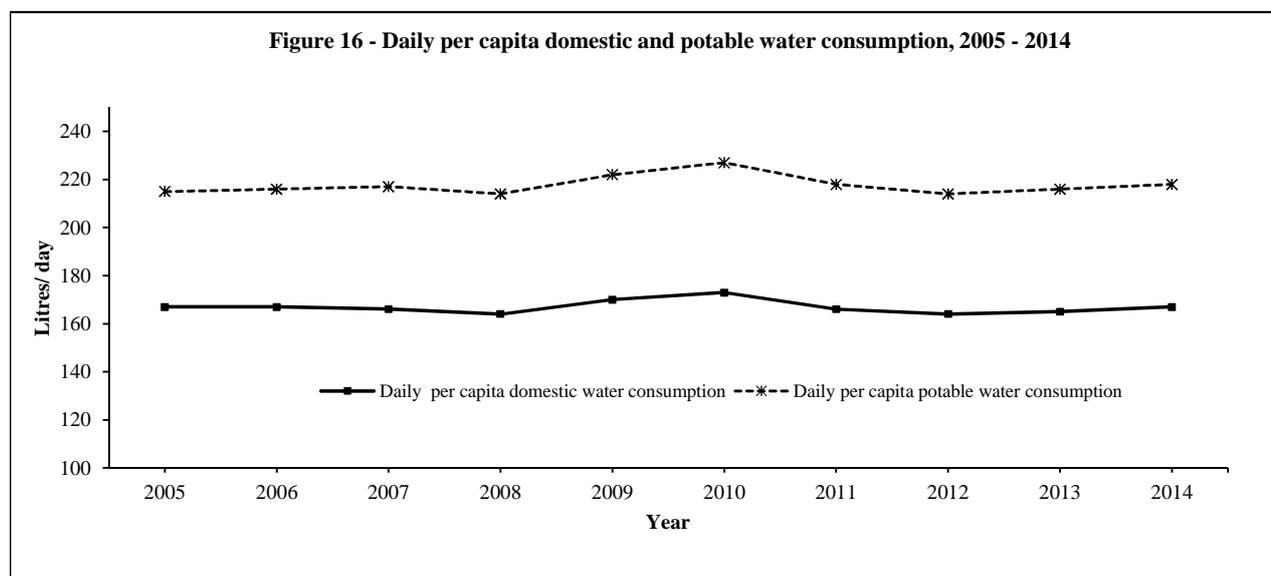
¹ Revised

Table 2.34 - Volume of water used by the Central Electricity Board for hydropower generation, 2005 - 2014

| Power station | Mm ³ | | | | | | | | | |
|----------------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|
| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 ¹ |
| Champagne | 105 | 62 | 61 | 91 | 105 | 87 | 44 | 69 | 78 | 67 |
| Ferney | 116 | 79 | 95 | 99 | 125 | 100 | 77 | 82 | 107 | 106 |
| Tamarind Falls | 37 | 26 | 27 | 22 | 33 | 29 | 11 | 13 | 20 | 23 |
| Le Val | 14 | 10 | 13 | 16 | 13 | 13 | 3 | 10 | 17 | 13 |
| Reduit | 26 | 21 | 20 | 30 | 36 | 20 | 21 | 18 | 15 | 16 |
| Cascade Cecile | 8 | 7 | 17 | 20 | 23 | 19 | 11 | 12 | 17 | 20 |
| Magenta | 25 | 17 | 16 | 5 | 17 | 22 | 10 | 12 | 19 | 22 |
| La Ferme | - | 5 | 5 | 9 | 14 | 8 | 4 | 2 | 7 | 8 |
| Total | 331 | 227 | 254 | 292 | 366 | 298 | 181 | 218 | 280 | 275 |

Source: Central Electricity Board

¹ Provisional

COMPONENT 3

RESIDUALS

Table 3.1 - National inventory of greenhouse gas emissions and removals by source categories, Republic of Mauritius, 2013 - 2014

Gg or thousand tonnes

| Source | Carbon dioxide (CO ₂) | | | | Methane (CH ₄) | | Nitrous oxide (N ₂ O) | | Oxides of nitrogen (NO _x) | | Carbon monoxide (CO) | | NMVOC ¹ | | Sulphur dioxide (SO ₂) | |
|--|-----------------------------------|-----------------|---------------|---------------|----------------------------|--------------|----------------------------------|-------------|---------------------------------------|--------------|----------------------|--------------|--------------------------|--------------|------------------------------------|--------------|
| | Emissions | | Removals | | 2013 | 2014 | 2013 | 2014 | 2013 | 2014 | 2013 | 2014 | 2013 | 2014 | 2013 | 2014 |
| | 2013 | 2014 | 2013 | 2014 | | | | | | | | | | | | |
| 1. Energy (Fuel combustion activities) | 3,835.44 | 3,968.81 | - | - | 0.61 | 0.60 | 0.08 | 0.08 | 19.15 | 19.67 | 70.32 | 72.05 | 11.07 | 11.61 | 34.31 | 35.05 |
| <i>(a) Energy industries (electricity)</i> | 2,363.79 | 2,449.07 | - | - | 0.28 | 0.28 | 0.06 | 0.06 | 7.82 | 8.06 | 8.64 | 8.29 | 0.53 | 0.53 | 28.79 | 29.36 |
| <i>(b) Manufacturing industries</i> | 317.17 | 332.71 | - | - | 0.07 | 0.06 | 0.01 | 0.01 | 1.04 | 1.07 | 6.42 | 5.63 | 0.11 | 0.10 | 3.18 | 3.31 |
| <i>(c) Transport</i> | 969.53 | 996.54 | - | - | 0.15 | 0.16 | 0.01 | 0.01 | 9.85 | 10.10 | 53.70 | 56.71 | 10.25 | 10.80 | 2.25 | 2.29 |
| <i>(d) Other sectors</i> | 184.95 | 190.49 | - | - | 0.11 | 0.10 | 0.00 | 0.00 | 0.44 | 0.45 | 1.56 | 1.42 | 0.18 | 0.17 | 0.09 | 0.09 |
| 2. Industrial processes | 1.31 | 0.81 | - | - | - | - | - | - | - | - | - | - | 12.60² | 8.83 | - | - |
| 3. Solvent and other product use | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4. Agriculture | - | - | - | - | 1.00 | 1.10 | 1.00 | 1.00 | - | - | - | - | - | - | - | - |
| 5. Land use change and forestry³ | - | - | 293.9 | 294.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 6. Waste⁴ | - | - | - | - | 38.33 | 37.18 | - | - | - | - | - | - | - | - | - | - |
| Total | 3,836.75 | 3,969.62 | 293.90 | 294.00 | 39.94 | 38.88 | 1.08 | 1.08 | 19.15 | 19.67 | 70.32 | 72.05 | 23.67 | 20.43 | 34.31 | 35.05 |

¹ Non - methane volatile organic compound

² Revised

³ Excludes the amount of CO₂ sequestered by trees and vegetations found along rivers and canal reserves and trees along roads

⁴ Exclude waste water

Table 3.2 - National inventory of greenhouse gas emissions (carbon dioxide) and removals by source categories, Republic of Mauritius, 2005 - 2014

Gg or thousand tonnes

| Category | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1. Energy (fuel combustion activities) | 2,994.00 | 3,346.80 | 3,448.10 | 3,485.80 | 3,365.30 | 3,664.35 | 3,639.37 | 3,743.31 | 3,835.44 | 3,968.81 |
| <i>(a) Energy industries (electricity)</i> | <i>1,615.20</i> | <i>1,912.50</i> | <i>2,067.90</i> | <i>2,032.00</i> | <i>1,997.00</i> | <i>2,224.28</i> | <i>2,205.80</i> | <i>2,280.49</i> | <i>2,363.79</i> | <i>2,449.07</i> |
| <i>(b) Manufacturing industries</i> | <i>346.30</i> | <i>404.90</i> | <i>400.30</i> | <i>456.00</i> | <i>351.60</i> | <i>352.06</i> | <i>336.55</i> | <i>330.75</i> | <i>317.17</i> | <i>332.71</i> |
| <i>(c) Transport</i> | <i>833.70</i> | <i>843.70</i> | <i>800.10</i> | <i>813.00</i> | <i>844.80</i> | <i>912.02</i> | <i>922.11</i> | <i>954.06</i> | <i>969.53</i> | <i>996.54</i> |
| <i>(d) Other sectors</i> | <i>198.80</i> | <i>185.70</i> | <i>179.80</i> | <i>184.80</i> | <i>171.90</i> | <i>175.99</i> | <i>174.91</i> | <i>178.01</i> | <i>184.95</i> | <i>190.49</i> |
| 2. Industrial processes | 2.00 | 2.10 | 1.50 | 1.30 | 2.30 | 2.18 | 1.38 | 1.82 | 1.31 | 0.81 |
| 3. Agriculture | - | - | - | - | - | - | - | - | - | - |
| 4. Land use change and forestry | - | - | - | - | - | - | - | - | - | - |
| 5. Waste ¹ | - | - | - | - | - | - | - | - | - | - |
| Total | 2,996.00 | 3,348.90 | 3,449.60 | 3,487.10 | 3,367.60 | 3,666.53 | 3,640.75 | 3,745.13 | 3,836.75 | 3,969.62 |
| Removals ² | 223.70 | 193.20 | 224.00 | 300.00 | 293.00 | 291.57 | 289.62 | 292.90 | 293.90 | 294.00 |
| Net CO ₂ emission | 2,772.30 | 3,155.70 | 3,225.60 | 3,187.10 | 3,074.60 | 3,374.96 | 3,351.13 | 3,452.23 | 3,542.85 | 3,675.62 |
| Per capita Total Carbon Dioxide Emissions (tonnes) | 2.4 | 2.7 | 2.8 | 2.8 | 2.7 | 2.9 | 2.9 | 3.0 | 3.0 | 3.1 |

¹ Excludes waste water

² Excludes the amount of CO₂ sequestered by trees and vegetations found along rivers and canal reserves and trees along road

- Not occurring, not applicable, not estimated

Table 3.2 (cont'd) - National inventory of greenhouse gas emissions (methane) by source categories, Republic of Mauritius, 2005 - 2014

| Gg or thousand tonnes | | | | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Category | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| 1. Energy (fuel combustion activities) | 0.50 | 0.50 | 0.50 | 0.50 | 0.40 | 0.63 | 0.62 | 0.62 | 0.61 | 0.60 |
| <i>(a) Energy industries (electricity)</i> | <i>0.30</i> | <i>0.30</i> | <i>0.30</i> | <i>0.30</i> | <i>0.30</i> | <i>0.30</i> | <i>0.29</i> | <i>0.29</i> | <i>0.28</i> | <i>0.28</i> |
| <i>(b) Manufacturing industries</i> | <i>0.10</i> | <i>0.10</i> | <i>0.10</i> | <i>0.10</i> | <i>0.10</i> | <i>0.08</i> | <i>0.08</i> | <i>0.07</i> | <i>0.07</i> | <i>0.06</i> |
| <i>(c) Transport</i> | <i>0.10</i> | <i>0.10</i> | <i>0.10</i> | <i>0.10</i> | <i>0.00</i> | <i>0.14</i> | <i>0.14</i> | <i>0.15</i> | <i>0.15</i> | <i>0.16</i> |
| <i>(d) Other sectors</i> | - | - | - | - | - | <i>0.11</i> | <i>0.11</i> | <i>0.11</i> | <i>0.11</i> | <i>0.10</i> |
| 2. Industrial processes | - | - | - | - | - | - | - | - | - | - |
| 3. Agriculture | 1.10 | 1.10 | 1.20 | 1.20 | 0.90 | 1.01 | 0.99 | 0.90 | 1.00 | 1.10 |
| 4. Land use change and forestry | - | - | - | - | - | - | - | - | - | - |
| 5. Waste ¹ | 29.80 | 33.70 | 33.90 | 35.60 | 20.00 | 38.10 | 36.90 | 34.40 | 38.33 | 37.18 |
| Total | 31.40 | 35.30 | 35.60 | 37.30 | 21.30 | 39.74 | 38.51 | 35.92 | 39.94 | 38.88 |

Table 3.2 (cont'd) - National inventory of greenhouse gas emissions (nitrous oxide) by source categories, Republic of Mauritius, 2005 - 2014

| Gg or thousand tonnes | | | | | | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Category | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| 1. Energy (fuel combustion activities) | 0.10 | 0.10 | 0.10 | 0.10 | - | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| <i>(a) Energy industries (electricity)</i> | <i>0.10</i> | <i>0.10</i> | <i>0.10</i> | <i>0.10</i> | - | <i>0.06</i> | <i>0.06</i> | <i>0.06</i> | <i>0.06</i> | <i>0.06</i> |
| <i>(b) Manufacturing industries</i> | - | - | - | - | - | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> |
| <i>(c) Transport</i> | - | - | - | - | - | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> |
| <i>(d) Other sectors</i> | - | - | - | - | - | - | - | - | - | - |
| 2. Industrial processes | - | - | - | - | - | - | - | - | - | - |
| 3. Agriculture | 1.20 | 1.20 | 1.20 | 1.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 4. Land use change and forestry | - | - | - | - | - | - | - | - | - | - |
| 5. Waste ¹ | - | - | - | - | - | - | - | - | - | - |
| Total | 1.30 | 1.30 | 1.30 | 1.20 | 1.00 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |

¹ Excludes waste water

- Not occurring, not applicable, not estimated

Table 3.2 (cont'd) - National inventory of greenhouse gas emissions (oxides of nitrogen) by source categories, Republic of Mauritius, 2005 - 2014

Gg or thousand tonnes

| Category | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1. Energy (fuel combustion activities) | 15.40 | 16.70 | 16.60 | 18.10 | 17.50 | 18.13 | 18.30 | 18.80 | 19.15 | 19.67 |
| <i>(a) Energy industries (electricity)</i> | 5.60 | 6.60 | 7.10 | 8.60 | 8.50 | 7.47 | 7.38 | 7.58 | 7.82 | 8.06 |
| <i>(b) Manufacturing industries</i> | 1.30 | 1.50 | 1.40 | 0.10 | 1.20 | 1.18 | 1.12 | 1.08 | 1.04 | 1.07 |
| <i>(c) Transport</i> | 8.30 | 8.40 | 7.90 | 8.00 | 7.40 | 9.17 | 9.38 | 9.71 | 9.85 | 10.10 |
| <i>(d) Other sectors</i> | 0.20 | 0.20 | 0.20 | 1.40 | 0.40 | 0.31 | 0.42 | 0.43 | 0.44 | 0.45 |
| 2. Industrial processes | - | - | - | - | - | - | - | - | - | - |
| 3. Agriculture | - | - | - | - | - | - | - | - | - | - |
| 4. Land use change and forestry | - | - | - | - | - | - | - | - | - | - |
| 5. Waste ¹ | - | - | - | - | - | - | - | - | - | - |
| Total | 15.40 | 16.70 | 16.60 | 18.10 | 17.50 | 18.13 | 18.30 | 18.80 | 19.15 | 19.67 |

Table 3.2 (cont'd) - National inventory of greenhouse gas emissions (carbon monoxide) by source categories, Republic of Mauritius, 2005 - 2014

Gg or thousand tonnes

| Category | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1. Energy (fuel combustion activities) | 66.40 | 64.80 | 65.40 | 66.60 | 64.00 | 67.39 | 67.47 | 68.57 | 70.32 | 72.05 |
| <i>(a) Energy industries (electricity)</i> | 8.80 | 8.70 | 8.80 | 8.20 | 7.90 | 9.03 | 8.90 | 8.61 | 8.64 | 8.29 |
| <i>(b) Manufacturing industries</i> | 15.60 | 15.10 | 13.10 | 14.20 | 13.90 | 8.27 | 7.61 | 6.67 | 6.42 | 5.63 |
| <i>(c) Transport</i> | 40.40 | 39.40 | 41.90 | 43.00 | 41.20 | 48.56 | 49.34 | 51.70 | 53.70 | 56.71 |
| <i>(d) Other sectors</i> | 1.60 | 1.60 | 1.60 | 1.20 | 1.00 | 1.53 | 1.62 | 1.59 | 1.56 | 1.42 |
| 2. Industrial processes | - | - | - | - | - | - | - | - | - | - |
| 3. Agriculture | - | - | - | - | - | - | - | - | - | - |
| 4. Land use change and forestry | - | - | - | - | - | - | - | - | - | - |
| 5. Waste ¹ | - | - | - | - | - | - | - | - | - | - |
| Total | 66.40 | 64.80 | 65.40 | 66.60 | 64.00 | 67.39 | 67.47 | 68.57 | 70.32 | 72.05 |

¹ Excludes waste water

- Not occurring, not applicable, not estimated

Table 3.2 (cont'd) - National inventory of greenhouse gas emissions (NMVOC) ¹ by source categories, Republic of Mauritius, 2005 - 2014

Gg or thousand tonnes

| Category | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|
| 1. Energy (fuel combustion activities) | 8.60 | 8.40 | 8.90 | 8.70 | 8.20 | 10.05 | 10.30 | 10.71 | 11.07 | 11.61 |
| <i>(a) Energy industries (electricity)</i> | 0.50 | 0.50 | 0.50 | 0.20 | 0.10 | 0.55 | 0.55 | 0.53 | 0.53 | 0.53 |
| <i>(b) Manufacturing industries</i> | 0.20 | 0.20 | 0.20 | 0.20 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.10 |
| <i>(c) Transport</i> | 7.70 | 7.50 | 8.00 | 8.10 | 7.90 | 9.20 | 9.43 | 9.88 | 10.25 | 10.80 |
| <i>(d) Other sectors</i> | 0.20 | 0.20 | 0.20 | 0.20 | 0.10 | 0.17 | 0.19 | 0.19 | 0.18 | 0.17 |
| 2. Industrial processes | 9.70 | 9.20 | 8.20 | 7.80 | 9.40 | 9.58 | 10.51 | 14.31 | 12.60 ² | 8.83 |
| 3. Agriculture | - | - | - | - | - | - | - | - | - | - |
| 4. Land use change and forestry | - | - | - | - | - | - | - | - | - | - |
| 5. Waste ³ | - | - | - | - | - | - | - | - | - | - |
| Total | 18.30 | 17.60 | 17.10 | 16.50 | 17.60 | 19.63 | 20.81 | 25.02 | 23.57 | 20.43 |

¹ Non - methane volatile organic compound ² Revised ³ Excludes waste water - Not occurring, not applicable, not estimated

Table 3.2 (cont'd) - National inventory of greenhouse gas emissions (sulphur dioxide) by source categories, Republic of Mauritius, 2005 - 2014

Gg or thousand tonnes

| Category | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1. Energy (fuel combustion activities) | 33.40 | 33.00 | 35.00 | 33.20 | 33.60 | 33.20 | 33.67 | 33.78 | 34.31 | 35.05 |
| <i>(a) Energy industries (electricity)</i> | 24.90 | 24.40 | 26.30 | 27.00 | 27.70 | 27.14 | 28.12 | 28.26 | 28.79 | 29.36 |
| <i>(b) Manufacturing industries</i> | 6.40 | 6.40 | 6.70 | 5.20 | 4.90 | 3.80 | 3.29 | 3.20 | 3.18 | 3.31 |
| <i>(c) Transport</i> | 2.00 | 2.00 | 1.90 | 0.90 | 0.80 | 2.14 | 2.16 | 2.23 | 2.25 | 2.29 |
| <i>(d) Other sectors</i> | 0.10 | 0.20 | 0.10 | 0.10 | 0.20 | 0.12 | 0.10 | 0.09 | 0.09 | 0.09 |
| 2. Industrial processes | - | - | - | - | - | - | - | - | - | - |
| 3. Agriculture | - | - | - | - | - | - | - | - | - | - |
| 4. Land use change and forestry | - | - | - | - | - | - | - | - | - | - |
| 5. Waste ¹ | - | - | - | - | - | - | - | - | - | - |
| Total | 33.40 | 33.00 | 35.00 | 33.20 | 33.60 | 33.20 | 33.67 | 33.78 | 34.31 | 35.05 |

| | | | | | | | | | | |
|--|----------|----------|----------|----------|----------|----------|----------|----------|---------|--------|
| Total GHG ² emissions (CO ₂ -eq) | 4,058.40 | 4,493.20 | 4,600.20 | 4,642.40 | 4,124.90 | 4,835.87 | 4,784.26 | 4,834.25 | 5010.29 | 5120.9 |
| Net GHG emissions (CO ₂ -eq) | 3,834.70 | 4,300.00 | 4,376.20 | 4,342.40 | 3,831.90 | 4,544.30 | 4,494.64 | 4,541.35 | 4716.39 | 4826.9 |
| Per capita GHG (total) emissions (CO ₂ -eq) | 3.3 | 3.6 | 3.7 | 3.7 | 3.3 | 3.9 | 3.8 | 3.8 | 4.0 | 4.1 |

¹ Excludes waste water ² Refers to carbon dioxide, methane and nitrous oxide - Not occurring, not applicable, not estimated

Table 3.3 - Percentage share of carbon dioxide emissions from energy sector (fuel combustion activities), Republic of Mauritius, 2005 - 2014

| Energy Sector | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Energy industries (electricity) | 53.9 | 57.1 | 60.0 | 58.3 | 59.4 | 60.7 | 60.6 | 60.9 | 61.6 | 61.7 |
| Manufacturing industries | 11.6 | 12.1 | 11.6 | 13.1 | 10.4 | 9.6 | 9.2 | 8.8 | 8.3 | 8.4 |
| Transport | 27.8 | 25.2 | 23.2 | 23.3 | 25.1 | 24.9 | 25.3 | 25.5 | 25.3 | 25.1 |
| Residential | 5.3 | 4.1 | 3.8 | 3.8 | 3.6 | 3.7 | 3.7 | 3.6 | 3.6 | 3.6 |
| Other ¹ | 1.3 | 1.5 | 1.4 | 1.5 | 1.5 | 1.1 | 1.1 | 1.2 | 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 includes Agriculture and Trade

Figure 17 - Percentage of carbon dioxide emissions from energy sector (fuel combustion activities), Republic of Mauritius, 2005 - 2014

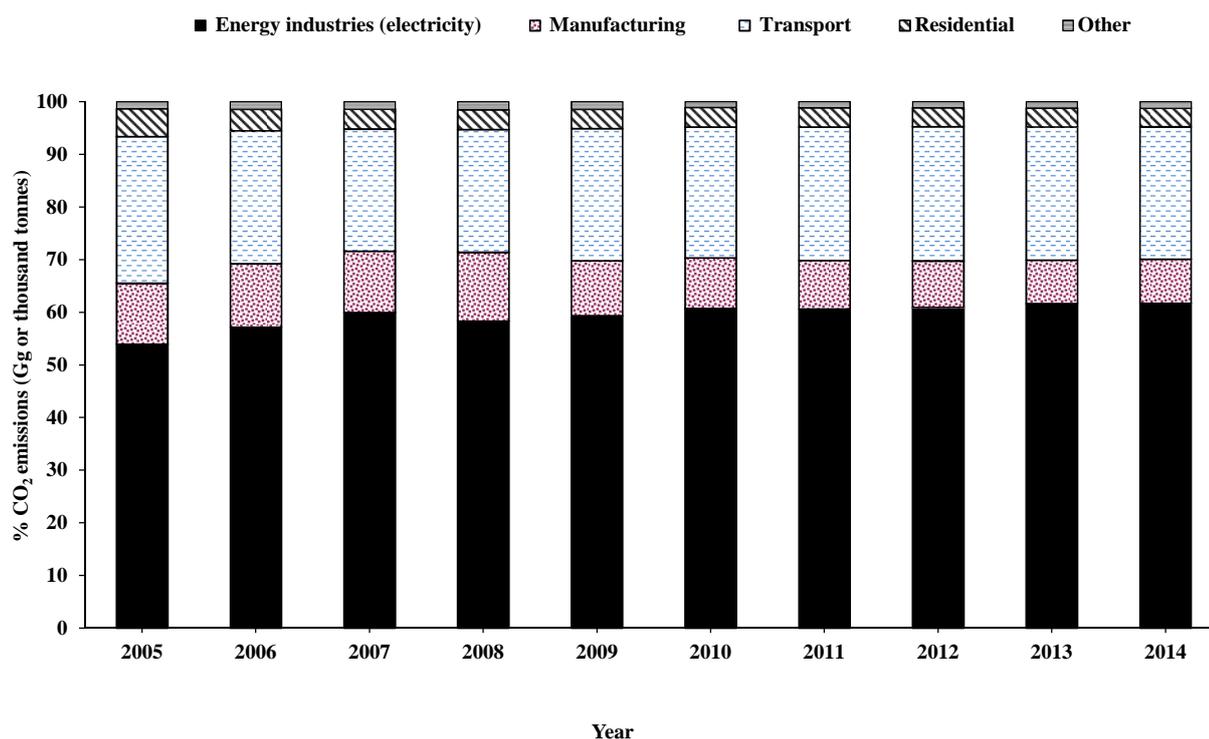
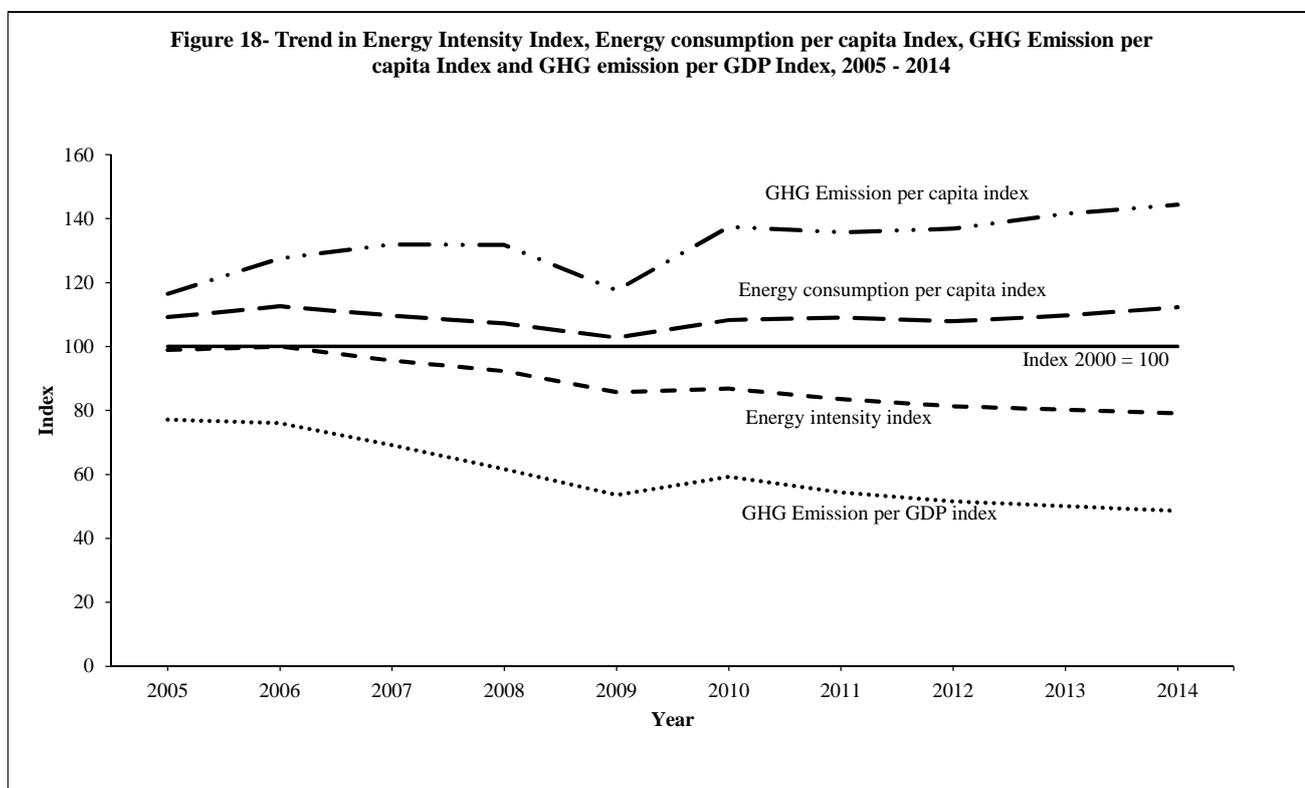


Table 3.4 - Trend in Energy intensity index, Energy consumption per capita index, GHG Emission per capita index and GHG emission per GDP index, 2005 - 2014

| Year | Base Year 2000 = 100 | | | | | | | | | |
|-------------------------------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Energy Intensity index | 98.9 | 100.0 | 95.6 | 92.3 | 85.7 | 86.8 | 83.5 | 81.3 | 80.2 | 79.1 |
| Energy consumption per capita index | 109.2 | 112.6 | 109.7 | 107.2 | 102.8 | 108.3 | 109.1 | 107.8 | 109.7 | 112.3 |
| GHG Emission per capita index | 116.5 | 127.6 | 131.9 | 131.8 | 117.6 | 137.5 | 135.8 | 136.8 | 141.5 | 144.3 |
| GHG Emissions per GDP index | 77.1 | 76.1 | 69.1 | 61.6 | 53.6 | 59.3 | 54.3 | 51.6 | 50.1 | 48.6 |

**Table 3.5 - Consumption of controlled ozone-depleting substances by sector, 2005 - 2014**

| Sector | Tonnes | | | | | | | | | |
|------------------------------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|--------------|---------------|
| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Process agent | 0.03 | - | - | - | - | - | - | - | - | - |
| Refrigeration and air conditioning | 165.64 | 139.13 | 156.62 | 122.48 | 192.12 | 96.13 | 157.40 | 125.94 | 96.87 | 142.52 |
| Total | 165.67 | 139.13 | 156.62 | 122.48 | 192.12 | 96.13 | 157.40 | 125.94 | 96.87 | 142.52 |

Source : Ministry of Environment, Sustainable Development, and Disaster and Beach Management.

Table 3.6 - Consumption of controlled ozone-depleting substances by type of substances, 2005 - 2014

| Tonnes | | | | | | | | | | |
|----------------------------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|--------------|---------------|
| Type of substances | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Chlorofluorocarbon (CFC's) | - | 1.00 | - | - | - | - | - | - | - | - |
| Carbon tetrachloride | 0.03 | - | - | - | - | - | - | - | - | - |
| Hydrochlorofluorocarbon (HCFC's) | 165.64 | 138.13 | 156.62 | 122.48 | 192.12 | 96.13 | 157.40 | 125.94 | 96.87 | 142.52 |
| Total | 165.67 | 139.13 | 156.62 | 122.48 | 192.12 | 96.13 | 157.40 | 125.94 | 96.87 | 142.52 |

Source : Ministry of Environment, Sustainable Development, and Disaster and Beach Management.

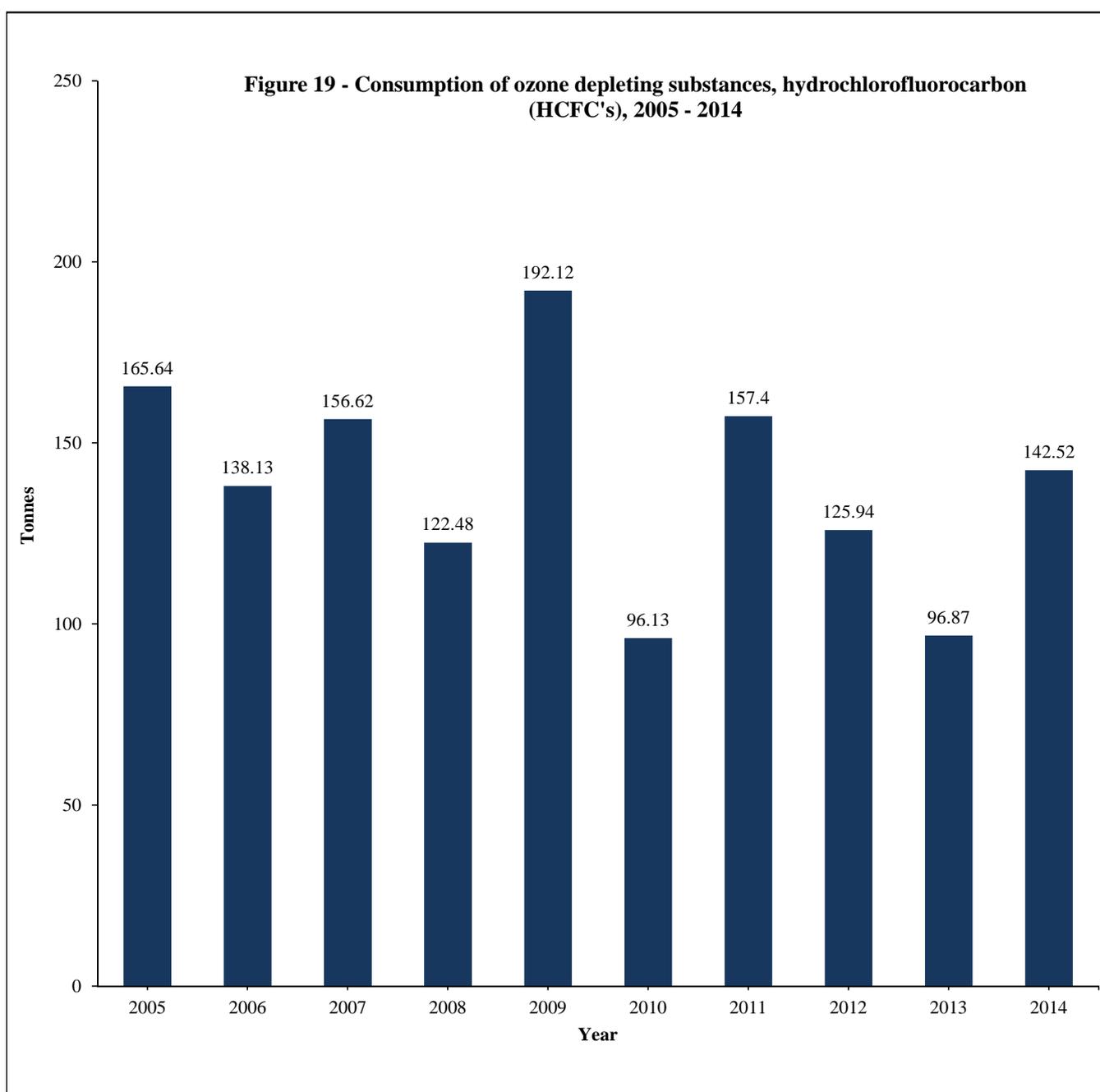


Table 3.7 - Volume of wastewater treated by public treatment stations and by type of treatment, 2005 - 2014

Mm³

| Type of treatment and Station | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Primary treatment | 13.47 | 16.24 | 8.20 | 18.21 | 24.71 | 19.61 | 26.19 | 20.20 | 21.76 | 23.95 |
| Montagne Jacquot | 5.20 | 7.84 | - | 10.00 | 16.50 | 11.40 | 17.25 | 11.50 | 13.22 | 14.40 |
| Baie du Tombeau | 8.27 | 8.40 | 8.20 | 8.21 | 8.21 | 8.21 | 8.94 | 8.70 | 8.54 | 9.55 |
| Secondary treatment | 1.42 | 0.62 | 0.63 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.76 |
| Pailles Treatment Plant | 0.18 | 0.07 | 0.07 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| Bois Marchand | 0.19 | 0.17 | 0.17 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Riviere du Rempart | 0.05 | 0.05 | 0.06 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.06 |
| Robinson | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| Vuillemin | 0.07 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.12 |
| Flacq | 0.23 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.15 |
| Dubreuil | 0.68 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| Tertiary treatment | 13.88 | 14.93 | 15.50 | 17.30 | 16.55 | 14.60 | 13.24 | 15.67 | 18.55 | 15.75 |
| Grand Bay | - | - | - | 0.60 | 0.60 | 0.60 | 0.60 | 0.77 | 0.86 | 0.98 |
| St. Martin | 13.88 | 14.93 | 15.50 | 16.70 | 15.95 | 14.00 | 12.64 | 14.90 | 17.69 | 14.77 |
| Total | 28.77 | 31.79 | 24.33 | 36.24 | 41.99 | 34.94 | 40.16 | 36.60 | 41.04 | 40.46 |

Source : Wastewater Management Authority

Table 3.8 - Disposal of solid waste at Mare Chicose landfill site by type, 2005 - 2014

Tonnes

| Waste type | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Domestic | 363,776 | 387,751 | 358,781 | 373,860 | 389,999 | 402,816 | 389,743 | 365,867 | 408,858 | 401,785 |
| Construction | 3,755 | 1,109 | 502 | 2,065 | 671 | 2,394 | 5,306 | 5,601 | 6,141 | 2,363 |
| Industrial (excl. textile) | 537 | 499 | 886 | 796 | 1,170 | 1,140 | 1,565 | 680 | 325 | 190 |
| Textile | 1,803 | 2,120 | 1,271 | 1,002 | 300 | 432 | 130 | 233 | 89 | 18 |
| Tuna/Sludge | 5,913 | 8,056 | 13,077 | 12,148 | 9,126 | 10,949 | 10,402 | 7,370 | 6,963 | 5,191 |
| Poultry | 3,930 | 3,752 | 3,387 | 6,867 | 7,209 | 6,339 | 5,942 | 6,061 | 5,316 | 5,707 |
| Rubber tyres | 394 | 465 | 223 | 347 | 365 | 481 | 447 | 372 | 315 | 431 |
| Asbestos | 85 | 14 | 260 | 32 | 26 | 44 | 15 | 6 | 50 | 26 |
| Condemned goods | 2,114 | 3,265 | 2,036 | 2,361 | 1,164 | 1,388 | 848 | 1,573 | 1,588 | 1,586 |
| Difficult and hazardous | 40 | 8 | 4 | 5 | - | 42 | 13 | 7 | 17 | 1 |
| Paper waste | - | - | - | - | - | 6 | 67 | 7 | 30 | 5 |
| Others | - | - | 6,648 | 5 | 5,918 | 1,771 | 65 | 149 | 243 | 175 |
| Total | 382,347 | 407,039 | 387,075 | 399,488 | 415,948 | 427,802 | 414,543 | 387,926 | 429,935 | 417,478 |

Source: Solid Waste Management Division, Ministry of Environment, Sustainable Development, and Disaster and Beach Management

| | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|
| Daily per capita total solid waste landfilled (kg) | 0.88 | 0.93 | 0.88 | 0.91 | 0.94 | 0.97 | 0.94 | 0.87 | 0.97 | 0.94 |
| Daily per capita domestic solid waste landfilled (kg) | 0.85 | 0.89 | 0.82 | 0.85 | 0.88 | 0.91 | 0.88 | 0.83 | 0.92 | 0.90 |

Table 3.9 - Disposal of solid waste at Mare Chicose landfill site by economic activity, 2005 - 2014

| | Tonnes | | | | | | | | | |
|-----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Activity | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Agriculture, forestry and fishing | 3,930 | 3,752 | 3,387 | 6,867 | 7,209 | 6,339 | 5,942 | 6,061 | 5,316 | 5,707 |
| Manufacturing | 8,253 | 10,675 | 15,234 | 13,946 | 10,596 | 12,521 | 12,097 | 8,283 | 7,377 | 5,399 |
| Construction | 3,755 | 1,109 | 502 | 2,065 | 671 | 2,394 | 5,306 | 5,601 | 6,141 | 2,363 |
| Other economic activities | 2,633 | 3,752 | 9,171 | 2,750 | 7,473 | 3,732 | 1,455 | 2,114 | 2,243 | 2,224 |
| Households | 363,776 | 387,751 | 358,781 | 373,860 | 389,999 | 402,816 | 389,743 | 365,867 | 408,858 | 401,785 |
| Total waste disposed | 382,347 | 407,039 | 387,075 | 399,488 | 415,948 | 427,802 | 414,543 | 387,926 | 429,935 | 417,478 |

Source: Solid Waste Management Division, Ministry of Environment, Sustainable Development, and Disaster and Beach Management

Table 3.10 - Management of solid waste, 2005 - 2014

| | | | | | | | | | | Tonnes |
|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Category | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Landfilling | 382,347 | 407,039 | 387,075 | 399,488 | 415,948 | 427,802 | 414,543 | 387,926 | 429,935 | 417,478 |
| Composting | - | - | - | - | - | - | 5,154 | 34,785 | 19,257 | 41,032 |
| Total | 382,347 | 407,039 | 387,075 | 399,488 | 415,948 | 427,802 | 419,697 | 422,711 | 449,192 | 458,510 |

Source: Solid Waste Management Division, Ministry of Environment, Sustainable Development, and Disaster and Beach Management

CHAPTER 4

EXTREME EVENTS AND DISASTERS

Table 4.1 - List of tropical storm/cyclone when warnings were issued for Mauritius, 1990 - 2014

| Year | Month and date | Name | Intensity | Closest distance from Mauritius | Highest gust recorded (km/hr) | Lowest pressure recorded (hPa) in Mauritius |
|---------|-------------------------|------------|-------------------------------|---------------------------------|-------------------------------|---|
| 1990 | March 4 - 6 | Edisaona | Severe Tropical Storm | 330 km East | 95 | 994.1 |
| 1991 | January 29 - 31 | Bella | Tropical Cyclone | 410 km North East | 74 | 1001.7 |
| 1992 | February 29 - 2 March | Gerda | Tropical Cyclone | 200 km North East | 93 | 1003.6 |
| 1993 | January 18 - 19 | Colina | Tropical Cyclone | 200 km West South West | 114 | 1004.4 |
| 1993 | January 26 - 27 | Edwina | Tropical Cyclone | 150 km East | 124 | 994.8 |
| 1994 | February 9 - 11 | Hollanda | Intense Tropical Cyclone | Off North West Coast | 216 | 984 |
| 1995 | January 4 - 6 | Bentha | Moderate Tropical Storm | 160 km North | 79 | 1009.9 |
| 1995 | January 7 - 8 | Christelle | Moderate Tropical Storm | Over Island | 109 | 993.8 |
| 1995 | February 24 - 27 | Ingrid | Tropical Cyclone | 80 km East | 153 | 989.2 |
| 1995 | March 8 - 13 | Kylie | Severe Tropical Storm | 140 km West | 116 | 1004.8 |
| 1996 | January 7 - 9 | Bonita | Intense Tropical Cyclone | 190 km North West | 87 | 1008.7 |
| 1996 | February 24 - 25 | Edwige | Moderate Tropical Storm | 100 km North | 162 | 1009 |
| 1996 | February 29 - 1 March | Flossy | Tropical Cyclone | 385 km West | ... | 1010.2 |
| 1996 | March 21 - 22 | Guylianne | Moderate Tropical Storm | 80 km North East | 82 | 1007.3 |
| 1996 | April 14 - 16 | Itelle | Intense Tropical Cyclone | 300 km North North West | 109 | 1010.9 |
| 1996 | December 6 - 8 | Daniella | Intense Tropical Cyclone | 40 km South West | 170 | 997.8 |
| 1998 | February 10 - 11 | Anacelle | Tropical Cyclone | 60 km from Ile aux Cerfs | 121 | 985.8 |
| 1999 | March 8 - 10 | Davina | Intense Tropical Cyclone | 25 km South East | 173 | 974.3 |
| 2000 | January 27 - 29 | Connie | Intense Tropical Cyclone | 200 km North West | 134 | 1003.8 |
| 2000 | February 13 - 15 | Eline | Severe Tropical Storm | 130 km North | 137 | 1006.3 |
| 2001 | January 4 - 6 | Ando | Intense Tropical Cyclone | 360 km North West | 82 | ... |
| 2001 | January 15 - 16 | Bindu | Moderate Tropical Storm | 360 km East South East | 140 | ... |
| 2002 | January 20 - 22 | Dina | Very Intense Tropical Cyclone | 50 km North | 228 | 988.3 |
| 2002 | February 17 - 19 | Guillaume | Intense Tropical Cyclone | 155 km East | 100 | 1005.7 |
| 2002 | November 20 - 21 | Boura | Severe Tropical Storm | 435 km North North West | 97 | 1012.9 |
| 2002 | December 26 - 27 | Crystal | Tropical Cyclone | 125 km East | 79 | 1002.8 |
| 2003 | February 12 - 13 | Gerry | Tropical Cyclone | 100 km North North East | 143 | 986.3 |
| 2003 | May 4 - 5 | Manou | Tropical Cyclone | 430 km North | 112 | 1007.9 |
| 2003-04 | 31 December - 3 January | Darius | Severe Tropical Storm | 40 km South East | 112 | 993.5 |
| 2005 | March 22 - 24 | Hennie | Severe Tropical Storm | 60 km South East | 112 | 990.3 |
| 2006 | March 3 - 4 | Diwa | Severe Tropical Storm | 220 km North North West | 126 | 1005.7 |
| 2007 | February 22 - 25 | Gamede | Intense Tropical Cyclone | 230 km North West | 158 | 995.5 |
| 2008 | January 30 - 31 | Gula | Tropical Cyclone | 155 km South East | 97 | 996.8 |
| 2009 | February 3 - 5 | Gael | Severe Tropical Storm | 200 km North | 104 | 1004.8 |
| 2012 | February 10 - 12 | Giovanna | Intense Tropical Cyclone | 260 km North | 97 | 1004.1 |
| 2013 | January 1 - 3 | Dumile | Tropical Cyclone | 300 km West | 97 | 1005.9 |
| 2013 | April 13 - 15 | Imelda | Tropical Cyclone | 500 km North North East | 79 | ... |
| 2013-14 | 31 December - 2 January | Bejisa | Intense Tropical Cyclone | 265 km West | 94 | 1004.3 |
| 2014 | February 4 - 6 | Edilson | Severe Tropical Storm | 70 km South East | 90 | 994.1 |

Source: Mauritius Meteorological Service

COMPONENT 5

**HUMAN SETTLEMENTS AND ENVIRONMENTAL
HEALTH**

Table 5.1 - Evolution of the population by urban¹ / 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 |
| <i>Urban population</i> | 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 |
| <i>Rural population</i> | 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 5.2 - 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 5.3 - Estimated resident population ¹ by urban ²/rural residence and sex - Republic of Mauritius,³ 2013 & 2014

| (End of year estimates) | | | | | | |
|---|--------------------|----------------|----------------|--------------------|----------------|----------------|
| Urban\Rural | 31st December 2013 | | | 31st December 2014 | | |
| | Both sexes | Male | Female | Both sexes | Male | Female |
| Island of Mauritius | 1,218,060 | 602,831 | 615,229 | 1,219,659 | 603,576 | 616,083 |
| Urban population | 518,752 | 254,347 | 264,405 | 517,811 | 253,894 | 263,917 |
| - Port Louis | 150,641 | 75,130 | 75,511 | 149,923 | 74,787 | 75,136 |
| - Beau Bassin/Rose Hill | 104,912 | 52,034 | 52,878 | 104,835 | 51,976 | 52,859 |
| - Quatre Bornes | 77,535 | 37,857 | 39,678 | 77,492 | 37,832 | 39,660 |
| - Vacoas/Phoenix | 106,453 | 51,368 | 55,085 | 106,435 | 51,358 | 55,077 |
| - Curepipe | 79,211 | 37,958 | 41,253 | 79,126 | 37,941 | 41,185 |
| Rural population | 699,308 | 348,484 | 350,824 | 701,848 | 349,682 | 352,166 |
| Island of Rodrigues ⁴ | 41,504 | 20,467 | 21,037 | 41,788 | 20,584 | 21,204 |
| Urban population | - | - | - | - | - | - |
| Rural population | 41,504 | 20,467 | 21,037 | 41,788 | 20,584 | 21,204 |
| Republic of Mauritius | 1,259,564 | 623,298 | 636,266 | 1,261,447 | 624,160 | 637,287 |
| Urban population | 518,752 | 254,347 | 264,405 | 517,811 | 253,894 | 263,917 |
| Rural population | 740,812 | 368,951 | 371,861 | 743,636 | 370,266 | 373,370 |
| Percentage Urban | 41.2 | | | 41.0 | | |

¹ Based on 2011 census data adjusted for underenumeration of young children. Internal migration within towns is assumed to be the same as the net annual internal migration during 2006 - 2011 (obtained from the 2011 Census)

² According to new boundaries as amended and gazetted in the Local Government Act 2011 (Act No. 36 of 2011) and the Representation of the People Act (GN no. 1 of 2012, 3rd January 2012)

³ Excluding Agalega and St. Brandon

⁴ Island of Rodrigues is completely rural

Table 5.4 - Population by geographical district and type of water supply, Republic of Mauritius, 2011 Housing Census

| Geographical district | Total | Type of water supply | | | | | | |
|----------------------------------|----------------------------|-----------------------------|-------------------------|--------------------------|----------------------|----------------------|------------------------|---------------------|
| | | Piped water | | | Tank-wagon | Well/River | Other | Not stated |
| | | Inside housing unit | Outside, on premises | Outside, public fountain | | | | |
| Port Louis | 117,198 (100%) | 108,125 (92.3%) | 8350 (7.1%) | 252 (0.2%) | 16 (0.0%) | 50 (0.0%) | 396 (0.3%) | 9 (0.0%) |
| Pamplemousses | 132,857 (100%) | 125,483 (94.4%) | 6630 (5.0%) | 351 (0.3%) | 17 (0.0%) | 50 (0.0%) | 326 (0.4%) | - (0.0%) |
| Riviere du Rempart | 105,774 (100%) | 100,543 (95.1%) | 4963 (4.7%) | 52 (0.1%) | 2 (0.0%) | - (0.0%) | 214 (0.2%) | - (0.0%) |
| Flacq | 135,389 (100%) | 127,233 (94.0%) | 7703 (5.7%) | 96 (0.1%) | - (0.0%) | 14 (0.0%) | 336 (0.2%) | 7 (0.0%) |
| Grand Port | 110,247 (100%) | 105,688 (95.9%) | 4113 (3.7%) | 42 (0.0%) | 86 (0.1%) | 56 (0.1%) | 262 (0.2%) | - (0.0%) |
| Savanne | 67,145 (100%) | 63,261 (94.2%) | 3436 (5.1%) | 144 (0.2%) | - (0.0%) | 22 (0.0%) | 274 (0.4%) | 8 (0.0%) |
| Plaine Wilhems | 352,148 (100%) | 349,195 (99.2%) | 2650 (0.8%) | 21 (0.0%) | 11 (0.0%) | 6 (0.0%) | 240 (0.1%) | 25 (0.0%) |
| Moka | 80,408 (100%) | 78,298 (97.4%) | 1841 (2.3%) | 72 (0.2%) | 6 (0.0%) | 53 (0.1%) | 125 (0.2%) | 13 (0.0%) |
| Black River | 73,872 (100%) | 67,476 (91.3%) | 5808 (7.9%) | 13 (0.0%) | - (0.0%) | 11 (0.0%) | 549 (0.7%) | 15 (0.0%) |
| Island of Mauritius | 1,175,038 (100%) | 1,12,5302 (86.6%) | 45,494 (0.1%) | 1,043 (0.1%) | 138 (0.0%) | 262 (0.0%) | 2,722 (0.2%) | 77 (0.0%) |
| Rodrigues & Agalega | 40,132 (100%) | 22,040 (54.9%) | 16,022 (39.9%) | 252 (0.6%) | 119 (0.3%) | 440 (1.1%) | 1258 (3.1%) | 1 (0.0%) |
| Total | 1,215,170 (100%) | 1,147,342 (94.4%) | 61,516 (5.1%) | 1,295 (0.1%) | 257 (0.0%) | 702 (0.1%) | 3,980 (0.3%) | 78 (0.0%) |
| <i>of which Urban population</i> | 487,393 (100%) | 474,885 (97.4%) | 11,425 (2.3%) | 273 (0.1%) | 26 (0.0%) | 79 (0.0%) | 659 (0.1%) | 46 (0.0%) |
| <i>Rural population</i> | 727,777 (100%) | 672,457 (92.4%) | 50,091 (6.9%) | 1022 (0.1%) | 231 (0.0%) | 623 (0.1%) | 3,321 (0.5%) | 32 (0.0%) |

Note : Data excluding 27 homeless households with a population of 29.

Table 5.5 - Population by geographical district and type of toilet facilities, Republic of Mauritius, 2011 Housing Census

| Geographical district | Total | Type of toilet facilities | | | | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|-------------------------|--------------------------|-------------------------|----------------------|------------------------|
| | | Sewerage system | Absoption pit | Septic tank | Pit latrine (Water seal) | Pit latrine (Other) | Other | None/Not stated |
| Port Louis | 117,198 (100%) | 101,419 (86.5%) | 11,821 (10.1%) | 2,140 (1.8%) | 563 (0.5%) | 1,022 (0.9%) | 62 (0.1%) | 171 (0.1%) |
| Pamplemousses | 132,857 (100%) | 14,034 (10.6%) | 103,439 (77.9%) | 12,728 (9.6%) | 1,372 (1.0%) | 1,244 (0.9%) | 1 (0.0%) | 39 (0.0%) |
| Riviere du Rempart | 105,774 (100%) | 5,014 (4.7%) | 85,899 (81.2%) | 12,906 (12.2%) | 983 (0.9%) | 848 (0.8%) | 48 (0.0%) | 76 (0.0%) |
| Flacq | 135,389 (100%) | - (0.0%) | 128,084 (94.6%) | 4,211 (3.1%) | 1765 (1.3%) | 1227 (0.9%) | 11 (0.0%) | 91 (0.1%) |
| Grand Port | 110,247 (100%) | - (0.0%) | 97,225 (88.2%) | 9,234 (2.1%) | 2,274 (1.3%) | 1,428 (0.0%) | 1 (0.0%) | 85 (0.0%) |
| Savanne | 67,145 (100%) | - (0.0%) | 62,131 (92.5%) | 2,456 (3.7%) | 1,351 (2.0%) | 1,174 (1.7%) | 7 (0.0%) | 26 (0.0%) |
| Plaine Wilhems | 352,148 (100%) | 131,216 (37.3%) | 203,714 (57.8%) | 15,416 (4.4%) | 1,039 (0.3%) | 647 (0.2%) | 9 (0.0%) | 107 (0.0%) |
| Moka | 80,408 (100%) | 4,881 (6.1%) | 69,999 (87.1%) | 4,080 (5.1%) | 748 (0.9%) | 601 (0.7%) | 10 (0.0%) | 89 (0.1%) |
| Black River | 73,872 (100%) | 108 (0.1%) | 54,327 (73.5%) | 15,375 (20.8%) | 1,905 (2.6%) | 2,011 (2.7%) | 16 (0.0%) | 130 (0.2%) |
| Rodrigues & Agalega | 40,132 (100%) | - (0.0%) | 17,387 (43.3%) | 2973 (7.4%) | 388 (1.0%) | 18,030 (44.9%) | 16 (0.0%) | 1338 (3.3%) |
| Total | 1,215,170 (100%) | 256,672 (21.1%) | 834,026 (68.6%) | 81,519 (6.7%) | 12,388 (1.0%) | 28,232 (2.3%) | 181 (0.0%) | 2,152 (0.2%) |

Note : Data excluding 27 homeless households with a population of 29.

Table 5.6 - Population connected to sewerage system by geographical district, 2011 Housing Census

| Geographical district | Total | Connected to sewerage system | | Not connected to sewerage system | |
|-----------------------|------------------|------------------------------|-------------|----------------------------------|-------------|
| | | Number | % | Number | % |
| Port Louis | 117,198 | 101,419 | 86.5 | 15,779 | 13.5 |
| Pamplemousses | 132,857 | 14,034 | 10.6 | 118,823 | 89.4 |
| Riviere du Rempart | 105,774 | 5,014 | 4.7 | 100,760 | 95.3 |
| Flacq | 135,389 | - | - | 135,389 | 100.0 |
| Grand Port | 110,247 | - | - | 110,247 | 100.0 |
| Savanne | 67,145 | - | - | 67,145 | 100.0 |
| Plaine Wilhems | 352,148 | 131,216 | 37.3 | 220,932 | 62.7 |
| Moka | 80,408 | 4,881 | 6.1 | 75,527 | 93.9 |
| Black River | 73,872 | 108 | 0.1 | 73,764 | 99.9 |
| Rodrigues & Agalega | 40,132 | - | - | 40,132 | 100.0 |
| Total | 1,215,170 | 256,672 | 21.1 | 958,498 | 78.9 |

Note : Data excluding 27 homeless households with a population of 29.

Table 5.7 - Population by geographical district and method of refuse disposal, Republic of Mauritius, 2011 Housing Census

| Geographical district | Total | Method of refuse disposal | | | | | | | |
|----------------------------------|----------------------------|-----------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|----------------------|----------------------|
| | | Authorised collector | | Ash pit | Dumped on premises | Dumped on roadside | Used for Compost | Other | Not stated |
| | | Regular | Irregular | | | | | | |
| Port Louis | 117,198 (100%) | 114,770 (97.9%) | 812 (0.7%) | 440 (0.4%) | 264 (0.2%) | 781 (0.7%) | 13 (0.0%) | 90 (0.1%) | 28 (0.0%) |
| Pamplemousses | 132,857 (100%) | 120,696 (90.8%) | 10,159 (7.6%) | 742 (0.6%) | 951 (0.7%) | 259 (0.2%) | 16 (0.0%) | 28 (0.0%) | 6 (0.0%) |
| Riviere du Rempart | 105,774 (100%) | 99,997 (94.5%) | 4,284 (4.1%) | 642 (0.6%) | 595 (0.6%) | 209 (0.2%) | 15 (0.0%) | 32 (0.0%) | - (0.0%) |
| Flacq | 135,389 (100%) | 132,372 (97.8%) | 1,478 (1.1%) | 493 (0.4%) | 460 (0.3%) | 409 (0.3%) | 47 (0.0%) | 92 (0.1%) | 38 (0.0%) |
| Grand Port | 110,247 (100%) | 109,035 (98.9%) | 819 (0.7%) | 127 (0.1%) | 135 (0.1%) | 79 (0.1%) | 16 (0.0%) | 31 (0.0%) | 5 (0.0%) |
| Savanne | 67,145 (100%) | 66,459 (99.0%) | 161 (0.2%) | 249 (0.4%) | 94 (0.1%) | 42 (0.1%) | 48 (0.1%) | 87 (0.1%) | 5 (0.0%) |
| Plaine Wilhems | 352,148 (100%) | 349,845 (99.3%) | 1,835 (0.5%) | 102 (0.0%) | 215 (0.1%) | 24 (0.0%) | 70 (0.0%) | 29 (0.0%) | 28 (0.0%) |
| Moka | 80,408 (100%) | 79,409 (98.8%) | 510 (0.6%) | 139 (0.2%) | 156 (0.2%) | 109 (0.1%) | 40 (0.0%) | 26 (0.0%) | 19 (0.0%) |
| Black River | 73,872 (100%) | 73,051 (98.9%) | 211 (0.3%) | 182 (0.2%) | 148 (0.2%) | 220 (0.3%) | - (0.0%) | 23 (0.0%) | 37 (0.1%) |
| Rodrigues & Agalega | 40,132 (100%) | 24,406 (60.8%) | 1294 (3.2%) | 9,996 (24.9%) | 2625 (6.5%) | 595 (1.5%) | 1,180 (2.9%) | 36 (0.1%) | - (0.0%) |
| Total | 1,215,170 (100%) | 1,170,040 (96.3%) | 21,563 (1.8%) | 13,112 (1.1%) | 5,643 (0.5%) | 2,727 (0.2%) | 1,445 (0.1%) | 474 (0.0%) | 166 (0.0%) |
| <i>of which Urban population</i> | 487,393 (100%) | 482,558 (99.0%) | 2,724 (0.6%) | 583 (0.1%) | 453 (0.1%) | 817 (0.2%) | 43 (0.0%) | 126 (0.0%) | 89 (0.0%) |
| <i>Rural population</i> | 727,777 (100%) | 687,482 (94.5%) | 18,839 (2.6%) | 12,529 (1.7%) | 5,190 (0.7%) | 1910 (0.3%) | 1402 (0.2%) | 348 (0.0%) | 77 (0.0%) |

Note : Data excluding 27 homeless households with a population of 29.

Table 5.8 - Water sales by tariff of subscriber, 2013 - 2014

| Type of tariff | 2013 | | | | | | | | 2014 | | | | | | | |
|--|----------------|--------------|-----------------|--------------|--------------------|--------------|---------------------------------------|----------------------------------|----------------|--------------|-----------------|--------------|--------------------|--------------|---------------------------------------|----------------------------------|
| | Subscribers | | Volume sold | | Amount collectible | | Average consumption (m ³) | Average price per m ³ | Subscribers | | Volume sold | | Amount collectible | | Average consumption (m ³) | Average price per m ³ |
| | No. | % | Mm ³ | % | Rs million | % | | | No. | % | Mm ³ | % | Rs million | % | | |
| Domestic | 317,786 | 92.9 | 73.4 | 65.9 | 696.3 | 51.6 | 231 | 9.49 | 323,254 | 93.0 | 74.2 | 66.4 | 704.0 | 51.6 | 229 | 9.49 |
| Public Sector Agency | 2,511 | 0.7 | 3.8 | 3.4 | 91.1 | 6.8 | 1,512 | 24.00 | 2,539 | 0.7 | 3.8 | 3.4 | 91.5 | 6.7 | 1,502 | 24.00 |
| Acquired / concessionary prizes | 38 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 355 | 9.87 | 34 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 347 | 10.32 |
| Business | 1,118 | 0.3 | 7.0 | 6.3 | 241.0 | 17.9 | 6,244 | 34.52 | 1,145 | 0.3 | 7.2 | 6.5 | 249.3 | 18.3 | 6,311 | 34.50 |
| Commercial | 13,646 | 4.0 | 6.0 | 5.4 | 160.6 | 11.9 | 443 | 26.57 | 13,832 | 4.0 | 6.1 | 5.4 | 161.4 | 11.8 | 439 | 26.57 |
| Religious | 1,981 | 0.6 | 0.6 | 0.5 | 11.5 | 0.9 | 295 | 19.65 | 2,036 | 0.6 | 0.6 | 0.5 | 11.9 | 0.9 | 297 | 19.70 |
| Industrial | 598 | 0.2 | 3.8 | 3.4 | 68.7 | 5.1 | 6,327 | 18.16 | 597 | 0.2 | 3.6 | 3.2 | 65.5 | 4.8 | 6,037 | 18.17 |
| Agriculture | 3,942 | 1.2 | 1.3 | 1.2 | 19.0 | 1.4 | 329 | 14.67 | 3,960 | 1.1 | 1.4 | 1.2 | 19.6 | 1.4 | 343 | 14.46 |
| Total potable water | 341,620 | 99.9 | 95.9 | 86.1 | 1,288.4 | 95.5 | 281 | 13.44 | 347,397 | 99.9 | 96.9 | 86.7 | 1,303.3 | 95.5 | 279 | 13.45 |
| Total non-treated water (Mainly for Agriculture and Industry) | 332 | 0.1 | 15.4 | 13.9 | 60.3 | 4.5 | 46,449 | 3.91 | 350 | 0.1 | 14.9 | 13.3 | 61.7 | 4.5 | 42,580 | 4.14 |
| Grand Total | 341,952 | 100.0 | 111.3 | 100.0 | 1,348.7 | 100.0 | 325 | 12.12 | 347,747 | 100.0 | 111.8 | 100.0 | 1,365.0 | 100.0 | 321 | 12.21 |

Source: Central Water Authority

Table 5.9 - Population with access to electricity by geographical district, Republic of Mauritius, 2011 Housing Census

| Geographical district | Total | Electricity | | | |
|-----------------------|------------------|------------------|-------------|---------------|------------|
| | | Available | | Not available | |
| | | Number | % | Number | % |
| Port Louis | 117,198 | 116,484 | 99.4 | 707 | 0.6 |
| Pamplemousses | 132,857 | 132,183 | 99.5 | 674 | 0.5 |
| Riviere du Rempart | 105,774 | 105,573 | 99.8 | 201 | 0.2 |
| Flacq | 135,389 | 134,969 | 99.7 | 419 | 0.3 |
| Grand Port | 110,247 | 109,883 | 99.7 | 364 | 0.3 |
| Savanne | 67,145 | 66,950 | 99.7 | 195 | 0.3 |
| Plaine Wilhems | 352,148 | 351,795 | 99.9 | 339 | 0.1 |
| Moka | 80,408 | 80,227 | 99.8 | 180 | 0.2 |
| Black River | 73,872 | 73,480 | 99.5 | 392 | 0.5 |
| Rodrigues & Agalega | 40,132 | 38,734 | 96.5 | 1,398 | 3.5 |
| Total | 1,215,170 | 1,210,278 | 99.6 | 4,869 | 0.4 |

Note :Data exclude 27 homeless households with a population of 29.

Table 5.10 - Sales of electricity by type of tariff, Republic of Mauritius, 2013 - 2014

| Type of tariff | 2013 ¹ | | | | 2014 ² | | | |
|-----------------------------|-------------------|------------------|---------------------|---|-------------------|------------------|---------------------|---|
| | No. of consumers | Sales (MWh) | Value sold (Rs. Mn) | Average sales price ³ per kWh (Rupees) | No. of consumers | Sales (MWh) | Value sold (Rs. Mn) | Average sales price ³ per kWh (Rupees) |
| Domestic | 388,910 | 780,778 | 4,467 | 5.72 | 396,335 | 806,279 | 4,640 | 5.76 |
| Commercial | 39,199 | 852,013 | 6,286 | 7.38 | 40,089 | 894,109 | 6,570 | 7.35 |
| Industrial | 6,703 | 715,218 | 2,533 | 3.54 | 6,593 | 715,168 | 2,545 | 3.56 |
| <i>of which: irrigation</i> | 584 | 25,391 | 72 | 2.84 | 615 | 26,644 | 75 | 2.82 |
| Other | 550 | 36,131 | 239 | 6.61 | 610 | 36,641 | 285 | 7.78 |
| Total | 435,362 | 2,384,139 | 13,525 | 5.67 | 443,627 | 2,452,196 | 14,040 | 5.73 |

¹ Revised ² Provisional ³ Excluding VAT & meter rent

Source: Central Electricity Board

Table 5.11 - 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 5.12 - 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 5.13 - 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 5.14 - 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 |
| <i>For rent</i> | <i>6,103</i> | <i>2.1</i> | <i>7,467</i> | <i>2.1</i> |
| <i>For sale</i> | <i>2,560</i> | <i>0.9</i> | <i>1,460</i> | <i>0.4</i> |
| <i>Provided by employer</i> | <i>637</i> | <i>0.2</i> | <i>438</i> | <i>0.1</i> |
| <i>Under repairs</i> | <i>1,124</i> | <i>0.4</i> | <i>1,732</i> | <i>0.5</i> |
| <i>Not stated</i> | <i>5,089</i> | <i>1.7</i> | <i>16,888</i> | <i>4.7</i> |
| Total | 297,671 | 100.0 | 359,015 | 100.0 |

Table 5.15 - Vehicles ¹ registered by type, 2005 - 2014

Number

| Type of vehicle | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Car | 84,818 | 91,911 | 99,770 | 109,507 | 117,890 | 127,363 | 136,225 | 147,733 | 160,701 | 173,954 |
| <i>(of which taxi car)</i> | <i>6,798</i> | <i>6,860</i> | <i>6,885</i> | <i>6,941</i> | <i>6,921</i> | <i>6,924</i> | <i>6,907</i> | <i>6,905</i> | <i>6,915</i> | <i>6,911</i> |
| Dual purpose vehicle | 42,026 | 43,221 | 44,635 | 46,021 | 47,146 | 48,271 | 49,132 | 50,116 | 49,730 | 49,503 |
| Double cab pickup | - | - | - | - | - | - | - | - | 1,155 | 2,065 |
| Heavy motor car | 1,045 | 1,118 | 1,223 | 1,290 | 1,275 | 1,249 | 1,230 | 1,244 | 1,250 | 1,271 |
| Motor cycle | 30,927 | 33,936 | 36,969 | 40,804 | 44,222 | 48,655 | 53,410 | 59,637 | 65,827 | 72,067 |
| Auto cycle | 102,503 | 104,238 | 105,637 | 107,184 | 108,713 | 110,674 | 112,296 | 113,871 | 114,958 | 115,784 |
| Lorry and truck | 12,047 | 12,272 | 12,536 | 12,726 | 12,950 | 13,186 | 13,539 | 13,902 | 14,061 | 14,243 |
| Van | 23,989 | 24,522 | 24,934 | 25,334 | 25,622 | 25,914 | 26,090 | 26,293 | 26,624 | 26,890 |
| Bus | 2,560 | 2,612 | 2,753 | 2,762 | 2,803 | 2,845 | 2,912 | 2,957 | 2,963 | 3,006 |
| Tractor and dumper | 2,982 | 3,001 | 3,025 | 3,045 | 3,102 | 3,119 | 3,173 | 3,202 | 3,226 | 3,254 |
| Prime mover | 412 | 436 | 452 | 505 | 558 | 596 | 650 | 689 | 715 | 734 |
| Trailer | 1,765 | 1,756 | 1,795 | 1,809 | 1,823 | 1,821 | 1,834 | 1,845 | 1,846 | 1,842 |
| Road roller | 96 | 96 | 96 | 96 | 97 | 98 | 99 | 101 | 102 | 103 |
| Other | 326 | 321 | 320 | 323 | 319 | 324 | 329 | 336 | 337 | 336 |
| Total | 305,496 | 319,440 | 334,145 | 351,406 | 366,520 | 384,115 | 400,919 | 421,926 | 443,495 | 465,052 |

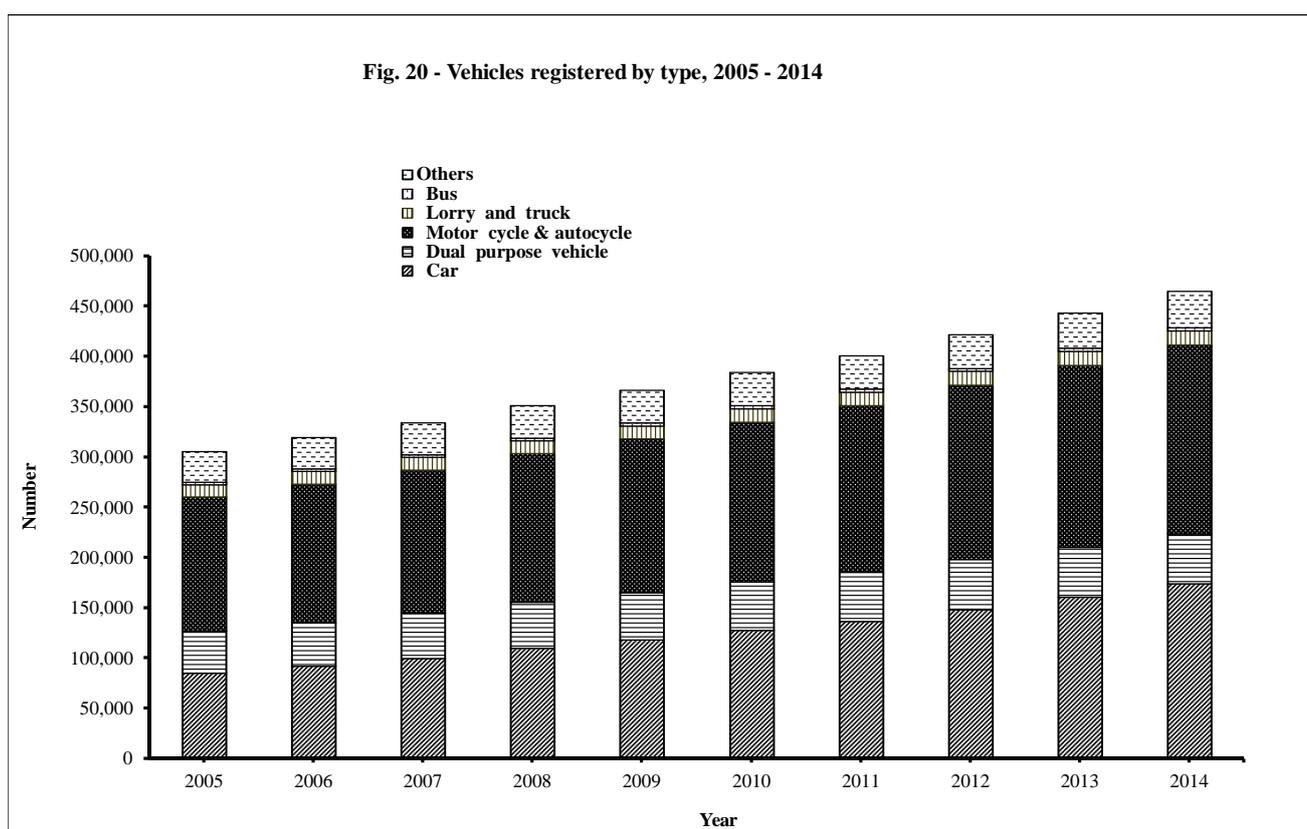
¹ Excluding pedal cycles, but including government vehicles

Table 5.16 - Road network, 2005 - 2014

| 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 | | | |
| 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 | 608 | 408 | 2,170 | 98 | 1.16 | 194 |
| 2013 | 99 | 1,131 | 625 | 420 | 2,275 | 98 | 1.22 | 195 |
| 2014 | 99 | 1,131 | 673 | 453 | 2,356 | 98 | 1.26 | 197 |

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 5.17 - Respiratory diseases registered in government hospitals, 2005 - 2014

Number

| Year | General hospital discharges ¹ (including deaths) | | | First attendances ¹ at regional health centres | | | Discharges (including deaths) at Poudre D'Or chest hospital ² | | | 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 |
| 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 | 7,970 | 8,707 | 16,677 | 252,122 | 268,950 | 521,072 | 641 | 371 | 1,012 | 565 | 521 | 1,086 |
| 2014 | 8,469 | 8,719 | 17,188 | 255,504 | 269,707 | 525,211 | 430 | 225 | 655 | 433 | 427 | 860 |

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

¹ due to diseases of the respiratory system

² Prior to 2010, figures exclude transfer-out patients

Table 5.18 - Admissions due to certain respiratory diseases by sex in government general hospitals, 2003, 2007 & 2011 - 2014

| Disease | Sex | 2003 | 2007 | 2011 | 2012 | 2013 | 2014 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Acute upper respiratory infections | Male | 1,918 | 2,021 | 3,079 | 3,624 | 3,095 | 3,673 |
| | Female | 1,547 | 1,896 | 3,008 | 3,479 | 3,199 | 3,671 |
| | Total | 3,465 | 3,917 | 6,087 | 7,103 | 6,294 | 7,344 |
| Acute bronchitis and bronchiolitis | Male | 241 | 843 | 891 | 822 | 1,077 | 1,135 |
| | Female | 167 | 550 | 622 | 647 | 1,026 | 954 |
| | Total | 408 | 1,393 | 1,513 | 1,469 | 2,103 | 2,089 |
| Pneumonia | Male | 269 | 233 | 247 | 280 | 353 | 368 |
| | Female | 211 | 161 | 227 | 276 | 365 | 368 |
| | Total | 480 | 394 | 474 | 556 | 718 | 736 |
| Bronchitis, emphysema and other chronic obstructive pulmonary diseases | Male | 550 | 336 | 657 | 914 | 820 | 765 |
| | Female | 408 | 300 | 693 | 816 | 895 | 626 |
| | Total | 958 | 636 | 1,350 | 1,730 | 1,715 | 1,391 |
| Asthma | Male | 1,538 | 1,650 | 1,238 | 1,098 | 1,059 | 1,020 |
| | Female | 1,735 | 1,693 | 1,518 | 1,403 | 1,431 | 1,356 |
| | Total | 3,273 | 3,343 | 2,756 | 2,501 | 2,490 | 2,376 |

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

Table 5.19- Cases of asthma treated as in-patients in government hospitals, 2005 - 2014

| Year | In-Patients | | |
|------|---------------|---------------|-------|
| | Male | Female | Total |
| 2005 | 1,507 (47.5%) | 1,668 (52.5%) | 3,175 |
| 2006 | 1,613 (50.5%) | 1,577 (49.5%) | 3,190 |
| 2007 | 1,650 (49.4%) | 1,693 (50.6%) | 3,343 |
| 2008 | 1,299 (46.9%) | 1,469 (53.1%) | 2,768 |
| 2009 | 1,282 (48.0%) | 1,387 (52.0%) | 2,669 |
| 2010 | 1,211 (47.2%) | 1,354 (52.8%) | 2,565 |
| 2011 | 1,238 (44.9%) | 1,518 (55.1%) | 2,756 |
| 2012 | 1,098 (43.9%) | 1,403 (56.1%) | 2,501 |
| 2013 | 1,059 (42.5%) | 1,431 (57.5%) | 2,490 |
| 2014 | 1,020 (42.9%) | 1,356 (57.1%) | 2,376 |

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

Table 5.20 - Deaths registered due to asthma, 2005 - 2014

| Year | Deaths | | |
|------|--------|--------|-------|
| | Male | Female | Total |
| 2005 | 104 | 75 | 179 |
| 2006 | 101 | 65 | 166 |
| 2007 | 86 | 68 | 154 |
| 2008 | 80 | 72 | 152 |
| 2009 | 105 | 79 | 184 |
| 2010 | 61 | 86 | 147 |
| 2011 | 60 | 55 | 115 |
| 2012 | 53 | 61 | 114 |
| 2013 | 60 | 54 | 114 |
| 2014 | 68 | 64 | 132 |

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

Table 5.21 - Cases of asthma treated as in-patients in government hospitals by age group and sex, 2013 -2014

| Age group (years) | Number of cases | | | | | |
|------------------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| | Male | | Female | | Total | |
| | 2013 | 2014 | 2013 | 2014 | 2013 | 2014 |
| Less than one year | 9 | 1 | 5 | 2 | 14 | 3 |
| 1 - 4 | 107 | 84 | 71 | 68 | 178 | 152 |
| 5 - 9 | 135 | 118 | 80 | 59 | 215 | 177 |
| 10 - 14 | 94 | 105 | 83 | 57 | 177 | 162 |
| 15 - 19 | 26 | 39 | 59 | 68 | 85 | 107 |
| 20 - 24 | 39 | 37 | 44 | 49 | 83 | 86 |
| 25 - 29 | 39 | 39 | 33 | 42 | 72 | 81 |
| 30 - 34 | 31 | 34 | 48 | 37 | 79 | 71 |
| 35 - 39 | 28 | 31 | 52 | 53 | 80 | 84 |
| 40 - 44 | 37 | 36 | 53 | 50 | 90 | 86 |
| 45 - 49 | 57 | 52 | 101 | 74 | 158 | 126 |
| 50 - 54 | 72 | 70 | 84 | 106 | 156 | 176 |
| 55 - 59 | 72 | 60 | 118 | 100 | 190 | 160 |
| 60 - 64 | 94 | 73 | 158 | 163 | 252 | 236 |
| 65 - 69 | 64 | 52 | 124 | 103 | 188 | 155 |
| 70 - 74 | 63 | 66 | 99 | 104 | 162 | 170 |
| 75 - 79 | 37 | 36 | 104 | 86 | 141 | 122 |
| 80 - 84 | 34 | 48 | 69 | 76 | 103 | 124 |
| 85 and over | 21 | 39 | 46 | 59 | 67 | 98 |
| Total | 1,059 | 1,020 | 1,431 | 1,356 | 2,490 | 2,376 |

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

Table 5.22 - Enteritis and other diarrhoeal diseases, 2005 - 2014

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 |
| 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 |
| 2014 | 389 | 1,078 | 930 | 3,539 | 5,936 | - | - | - | 18 | 18 |

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

Table 5.23 - New cases of certain notifiable diseases reported to sanitary authorities, 2005 - 2014

| Disease Year | Number | | | | | | |
|-----------------|------------------------------|---------------------|----------------|-------------------------|------------------|----------------|----------------------------|
| | Water borne diseases | Food borne diseases | | Mosquito borne diseases | | | Other vector borne disease |
| | Amoebiasis (gastroenteritis) | Typhoid | Food poisoning | Malaria ¹ | Dengue | Chickunguya | Leptospirosis |
| 2005 | - | 5 | 29 | 36 | - | 1,381 | 6 |
| 2006 | 1 | 4 | 78 | 38 | - | 11,165 | 6 |
| 2007 | - | 15 | 766 | 42 | - | 1 ¹ | 9 |
| 2008 | - | 6 | 129 | 27 | 1 ¹ | - | 3 |
| 2009 | - | 5 | 718 | 23 | 252 ² | - | 7 |
| 2010 | - | 3 | 156 | 52 | 11 ¹ | 5 ¹ | 28 |
| 2011 | - | 5 | 445 | 54 | 8 ¹ | 1 | 17 |
| 2012 | - | 4 | 264 | 33 | 13 ¹ | 1 | 16 |
| 2013 | - | 5 | 390 | 49 | 19 ¹ | - | 25 |
| 2014 | - | - | 143 | 20 | 64 ² | 2 | 16 |

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

¹ All imported/introduced cases

² Including locally transmitted cases

Note: No new cases of schistosomiasis have been reported from 2005 - 2014

COMPONENT 6

**ENVIRONMENT PROTECTION, MANAGEMENT AND
ENGAGEMENT**

Table 6.1 - Number of permits¹ and floor area by region, 2010 - 2014

| Region | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | |
|-------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|
| | 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 | 2,491 | 436,682 | 2,323 | 395,458 | 2,646 | 470,518 | 2,883 | 543,702 | 2,528 | 447,665 |
| Port Louis | 499 | 94,586 | 431 | 68,087 | 601 | 92,617 | 634 | 108,020 | 446 | 66,586 |
| Beau Bassin - Rose Hill | 300 | 40,447 | 313 | 43,748 | 557 | 117,184 | 610 | 109,183 | 541 | 85,630 |
| Curepipe | 312 | 64,964 | 321 | 48,737 | 468 | 81,428 | 493 | 112,961 | 432 | 91,766 |
| Quatre Bornes | 422 | 90,252 | 405 | 109,880 | 474 | 100,753 | 515 | 115,637 | 423 | 86,942 |
| Vacoas - Phoenix | 958 | 146,433 | 853 | 125,006 | 546 | 78,536 | 631 | 97,901 | 686 | 116,741 |
| Rural areas | 4,862 | 985,335 | 3,937 | 823,281 | 3,910 | 717,601 | 4,755 | 779,647 | 4,062 | 1,092,251 |
| Pamplemousses | 731 | 137,568 | 398 | 66,394 | 495 | 114,443 | 734 | 115,166 | 690 | 127,874 |
| Riviere du Rempart | 777 | 164,676 | 337 | 79,673 | 465 | 80,080 | 728 | 130,119 | 699 | 327,831 |
| Flacq | 692 | 108,715 | 839 | 158,059 | 782 | 113,266 | 748 | 112,735 | 669 | 90,801 |
| Grand Port | 685 | 100,274 | 461 | 118,120 | 601 | 94,198 | 609 | 88,220 | 442 | 116,346 |
| Savanne | 580 | 77,846 | 528 | 73,312 | 481 | 65,562 | 633 | 92,555 | 472 | 76,767 |
| Plaines Wilhems | 46 | 6,002 | 578 | 78,136 | 60 | 8,960 | 36 | 4,403 | 34 | 4,031 |
| Moka | 367 | 70,395 | 30 | 4,771 | 424 | 77,462 | 666 | 114,972 | 518 | 231,720 |
| Black River | 984 | 319,859 | 766 | 244,816 | 602 | 163,630 | 601 | 121,477 | 538 | 116,881 |
| Total | 7,353 | 1,422,017 | 6,260 | 1,218,739 | 6,556 | 1,188,119 | 7,638 | 1,323,349 | 6,590 | 1,539,916 |

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

Table 6.2 - Number of permits ¹ and floor area by type of building, 2010 - 2014

| Type of building | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | |
|---|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|
| | 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 | 6,871 | 1,189,726 | 5,853 | 903,487 | 6,081 | 1,037,866 | 6,986 | 1,134,494 | 6,125 | 1,381,058 |
| New buildings | 4,047 | 882,368 | 3,413 | 630,042 | 3,929 | 791,689 | 4,535 | 865,762 | 4,348 | 1,186,155 |
| Additions | 2,824 | 307,358 | 2,440 | 273,445 | 2,152 | 246,177 | 2,451 | 268,732 | 1,777 | 194,903 |
| Non residential | 482 | 232,291 | 407 | 315,252 | 475 | 150,253 | 652 | 188,855 | 465 | 158,858 |
| Agriculture, forestry, hunting and fishing | 34 | 23,473 | 24 | 16,302 | 3 | 1,771 | 25 | 8,514 | 17 | 9,263 |
| Manufacturing | 22 | 8,508 | 34 | 48,980 | 7 | 2,899 | 61 | 21,374 | 36 | 14,335 |
| Electricity and water | - | - | - | - | - | - | 1 | 2,714 | 2 | 930 |
| Construction | - | - | 2 | 4,305 | - | - | - | - | - | - |
| Wholesale and retail trade, restaurant and hotels | 306 | 119,194 | 248 | 134,994 | 339 | 93,031 | 318 | 82,079 | 271 | 65,039 |
| Transport, storage & communication | 24 | 8,746 | 21 | 21,578 | 16 | 6,736 | 27 | 11,890 | 14 | 6,798 |
| Banking, insurance and real estate | 46 | 53,804 | 30 | 63,936 | 25 | 5,692 | 1 | 252 | 3 | 1,503 |
| Community, social & personal services | 50 | 18,566 | 48 | 25,157 | 85 | 40,124 | 219 | 62,032 | 122 | 60,990 |
| Total | 7,353 | 1,422,017 | 6,260 | 1,218,739 | 6,556 | 1,188,119 | 7,638 | 1,323,349 | 6,590 | 1,539,916 |

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

Table 6.3 - Number of Environmental Impact Assessment (EIA) licences granted by type of project, 2005 - 2014

| Project | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Land parcelling (morcellement) | 19 | 9 | 1 | 12 | 2 | 5 | 4 | 7 | 7 | 7 |
| Industrial development | 5 | 4 | 19 | - | 7 | 5 | 2 | 1 | 6 | 4 |
| Coastal hotels and related works | 10 | 20 | - | 8 | 7 | 12 | 10 | 10 | 6 | 6 |
| Housing | 7 | 13 | - | - | 1 | 1 | 2 | 2 | - | 8 |
| Stone crushing plants | 3 | 1 | - | - | - | 3 | 3 | - | 3 | - |
| Development in port area | 1 | 1 | - | - | - | 1 | 4 | 4 | 2 | 6 |
| Other | 10 | 7 | 8 | 24 | 6 | 17 | 5 | 2 | 3 | 3 |
| Total | 55 | 55 | 28 | 44 | 23 | 44 | 30 | 26 | 27 | 34 |

Source : Ministry of Environment, Sustainable Development, and Disaster and Beach Management.

Table 6.4 - Number of Preliminary Environmental Report (PER) approvals granted by type of project, 2005 - 2014

| Project | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|----------------------------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Land parcelling (morcellement) | 16 | 8 | 5 | - | - | - | - | 3 | 1 | 1 |
| Poultry rearing | 22 | 15 | 19 | 10 | 9 | 3 | 9 | 7 | 4 | 7 |
| Industrial development | 8 | 17 | 28 | 16 | 6 | 5 | 7 | 12 | 4 | 4 |
| Coastal hotels and related works | 4 | 1 | 23 | - | - | - | - | 1 | - | - |
| Livestock rearing | 3 | 6 | 9 | - | - | 4 | 2 | 4 | - | 3 |
| Housing | 10 | 14 | 4 | - | - | - | 1 | 1 | - | 3 |
| Other | 25 | 30 | 17 | 14 | 16 | 7 | 5 | 6 | 4 | 4 |
| Total | 88 | 91 | 105 | 40 | 31 | 19 | 24 | 34 | 13 | 22 |

Source : Ministry of Environment, Sustainable Development, and Disaster and Beach Management.

Table 6.5 - No. of complaints received at the Pollution Prevention and Control Division by category, 2005 - 2014

| Category | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--------------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Noise | 342 | 178 | 135 | 157 | 123 | 160 | 170 | 131 | 150 | 78 |
| Solid waste | 201 | 137 | 88 | 49 | 136 | 118 | 127 | 100 | 93 | 91 |
| Air pollution | 154 | 61 | 62 | 57 | 57 | 76 | 96 | 105 | 120 | 138 |
| Waste water | 289 | 92 | 76 | 84 | 72 | 77 | 84 | 71 | 82 | 101 |
| Odour | 272 | 121 | 88 | 102 | 88 | 128 | 77 | 79 | 79 | 81 |
| Other ¹ | 215 | 224 | 119 | 147 | 46 | 63 | 177 | 176 | 163 | 174 |
| Total | 1,473 | 813 | 568 | 596 | 522 | 622 | 731 | 662 | 687 | 664 |

Source : Ministry of Environment, Sustainable Development, and Disaster and Beach Management.

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

Table 6.6 - Contraventions ¹ established and notices issued by "Police De L'Environnement", 2005 - 2014

| Type of contravention | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|--------------|--------------|
| Illegal Littering | 3,624 | 9,427 | 8,119 | 8,246 | 3,402 | 963 | 687 | 1,827 | 924 | 528 |
| Illegal Dumping | 14 | 32 | 16 | 51 | 0 | 152 | 35 | 11 | 18 | 10 |
| Noise (playing music in loud tone) | 30 | 0 | 12 | 91 | 27 | 11 | 34 | 18 | 20 | 12 |
| Smoking in prohibited area | 38 | 63 | 75 | 8 | 48 | 61 | 58 | 178 | 126 | 158 |
| Waste carriers offences | 18 | 21 | - | 8 | 3 | - | - | 2 | - | - |
| Setting fire within 50 metres from building/plantation | 4 | 3 | - | 9 | 1 | - | - | - | 3 | 1 |
| Trading without licence/without PER | 56 | 47 | 47 | 80 | - | 41 | 28 | 55 | 60 | 32 |
| Vehicle emitting smoke (above opacity level) | - | - | - | - | - | - | - | 73 | 224 | 142 |
| Vehicle emitting excessive noise | - | - | - | - | - | - | - | - | 436 | 784 |
| Others | 15 | 46 | 30 | 90 | 81 | 23 | 15 | 61 | 51 | 15 |
| Total | 3,799 | 9,639 | 8,299 | 8,583 | 3,562 | 1,251 | 857 | 2,225 | 1,862 | 1,682 |

| | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-----|-----------------|----|-----|
| No. of notices issued to drivers of vehicles emitting black smoke | 5,156 | 6,236 | 3,796 | 6,782 | 2,270 | 1,651 | 374 | (Jan-May) 60 | 40 | 564 |
|---|-------|-------|-------|-------|-------|-------|-----|-----------------|----|-----|

Source: Ministry of Environment, Sustainable Development, and Disaster and Beach Management

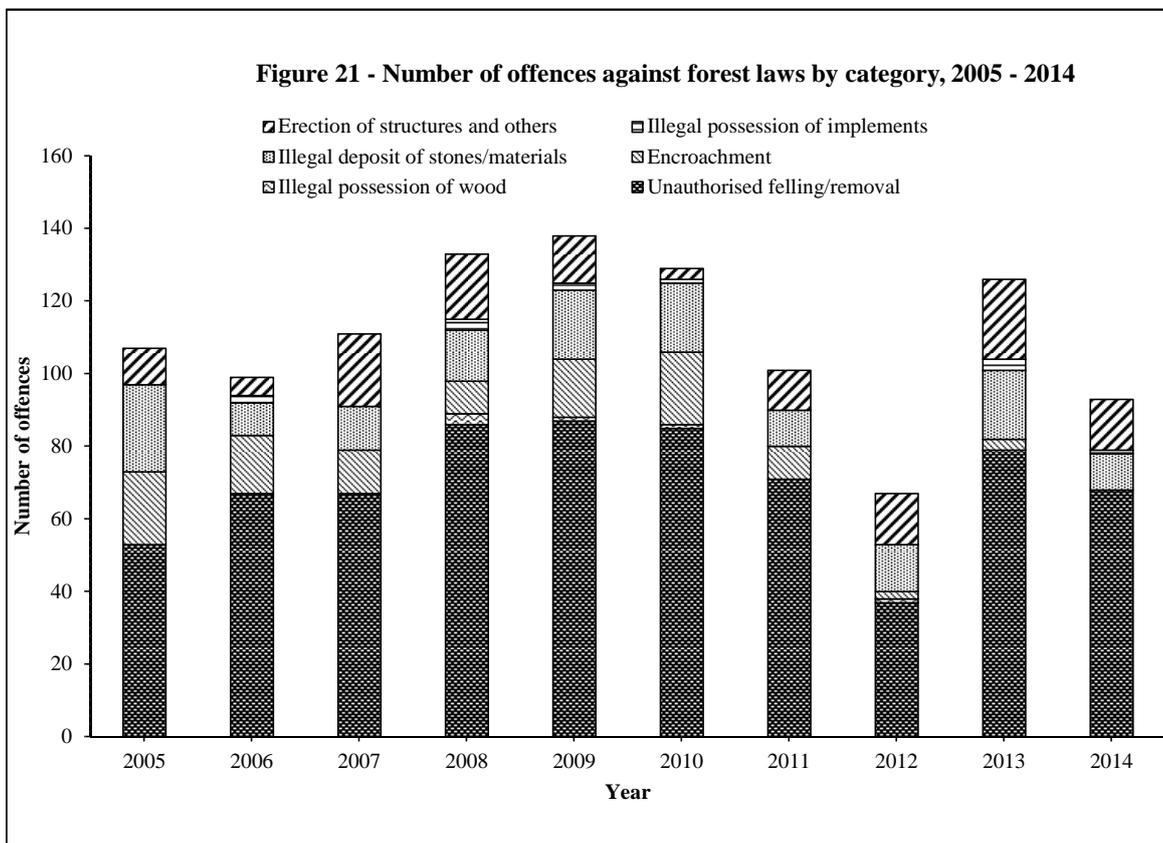
¹ Relating to environment only

Table 6.7 - Number of offences detected against forest laws ¹ by category, 2005 - 2014

| Category | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-------------------------------------|------------|------------|------------|------------|------------|-----------|------------|-----------|------------|------------|
| Unauthorised felling/removal | 67 | 86 | 87 | 85 | 71 | 37 | 79 | 68 | 61 | 70 |
| Illegal possession of wood | - | 3 | 1 | 1 | - | 1 | - | - | - | 1 |
| Encroachment | 12 | 9 | 16 | 20 | 9 | 2 | 3 | - | 17 | 7 |
| Illegal deposit of stones/materials | 12 | 14 | 19 | 19 | 10 | 13 | 19 | 10 | 16 | 11 |
| Illegal possession of implements | - | 3 | 2 | 1 | - | - | 3 | 1 | - | - |
| Erection of structures and others | 20 | 18 | 13 | 3 | 11 | 14 | 22 | 14 | 30 | 20 |
| Total | 111 | 133 | 138 | 129 | 101 | 67 | 126 | 93 | 124 | 109 |

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



**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/Au ticycle | 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 results 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 |
| <i>Interested to buy</i> | <i>41.2</i> |
| <i>Not interested to buy</i> | <i>39.1</i> |
| 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 households 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 results of 5,640 households surveyed

TECHNICAL NOTES

Introduction

The statistics presented in this report are divided into seven main sections of which six correspond to the following components of the Framework for the Development of Environment Statistics 2013 (FDES 2013): (i) Environmental Conditions and Quality, (ii) Environmental Resources and their Use, (iii) Residuals, (iv) Extreme Events and Disasters, (v) Human Settlements and Environmental Health, (vi) Environment Protection, Management and Engagement. The seventh section relates to statistics on environment from surveys.

Concept and coverage

The following United Nations manual has been used as a basis for the compilation of the data on environment statistics: Framework for the Development of Environment Statistics 2013 (FDES 2013), United Nations.

The digest covers data for the period 2005 to 2014, 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, Sustainable Development, and Disaster and Beach Management
- The Forestry Services - 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 Ocean Economy, Marine Resources, Fisheries, Shipping and Outer Islands
- Food and Agricultural Research and Extension Institute (FAREI) - Ministry of Agro Industry and Food Security
- Mauritius 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.
- Solid Waste Management Division, Ministry of Environment, Sustainable Development, and Disaster and Beach Management
- Wastewater 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.

1. Environmental Conditions and Quality

Aquifer: Underground geologic formation, or group of formations, containing groundwater that can supply wells and springs.

Catchment area: Area from which rainwater drains into river systems, lakes and sea.

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.

Critically endangered: Species under this category is considered to be facing an extremely high risk of extinction in the wild.

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 is a dynamic complex of plant, animal and microorganism communities and their non-living environment interacting as a functional unit.

Endangered: Species is considered to be facing a very high risk of extinction in the wild.

Endemic: Native to, and restricted to, a particular geographical region.

Fauna: The animal life of a particular region or time. It is generally regarded as that which is naturally occurring and indigenous.

Flora: The plant life of a particular region or time. It is generally regarded as that which is naturally occurring and indigenous.

Forest: Land spanning more than 0.5 hectares with trees higher than 5 metres and a canopy cover of more than 10 per cent, or trees able to reach these thresholds in situ. It does not include land that is predominantly under agricultural or urban land use.

Geomorphology: Study of the earth's form and its evolution, both of which owe much to the action of water in rivers and glaciers.

Least concern: The category is applied to taxa that do not qualify (and are not close to qualifying) as threatened. It is important to emphasise that "least concern" simply means that, in terms of extinction risk, these species are of lesser concern than species in other threat categories. It does not imply that these species are of no conservation concern.

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.

Near threatened: The category is applied to taxa that do not qualify as threatened now (critically endangered, endangered or vulnerable), but may be close to qualifying as threatened, and to taxa that do not currently meet the criteria for a threatened category, but are likely to do so if ongoing conservation actions abate or cease.

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.

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.

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

River basin: Total land area drained by a river or its tributaries.

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

Vulnerable: Species is considered to be facing a high risk of extinction in the wild.

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.

2. Environmental Resources and their Use

Aquaculture: Aquaculture is the farming of aquatic organisms, including fish, molluscs, crustaceans and aquatic plants. Farming implies some form of intervention in the rearing process to enhance production, such as stocking, feeding, protection from predators, etc.

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.

Capacity: The maximum power available from a power station at a point in time:

- *Installed capacity*: The nameplate capacity of the generator set.
- *Plant capacity*: The net capacity measured at the terminals of the stations, i.e, after deduction of the power absorbed by the auxiliary installations and the losses in the station transformers.
- *Effective capacity*: It is the plant capacity less any amount of derated capacity from the install capacity.
-

Deforestation: Deforestation is the clearing of tree formation and their replacement by non-forest land uses.

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

Energy Balance: Shows in a consistent accounting framework, the production, transformation and final consumption of all forms of energy for a given geographical area and a given period of time, with quantities expressed in terms of a single accounting unit for purposes of comparison and aggregation. The energy balance thus presents an overview of the energy produced and consumed in a system, matching input and output for a specific time period, usually a year.

Final energy consumption: Energy consumption by final user, i.e energy which is not being used for transformation into other forms of energy.

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

Land use: Land use reflects both the activities undertaken and the institutional arrangements put in place for a given area for the purposes of economic production, or the maintenance and restoration of environmental functions. Consequently, there are areas of land that are “not in use” by human activities.

Livestock: Livestock are animal species that are raised by humans for commercial purposes, consumption, or labour.

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.

Renewable energy: Renewable energy is captured from sources that replenish themselves. It includes solar (photovoltaic and thermal), hydroelectric, geothermal, tidal action, wave action, marine (non-tidal currents, temperature differences and salinity gradients), wind and biomass energy, all of which are naturally replenished, even though their flow may be limited.

Reused water: It is wastewater supplied to a user for further use with or without prior treatment.

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

Timber resources: Timber resources are defined by volume of trees, living or dead, which can still be used for timber or fuel.

Water abstraction: It is the amount of water that is removed from any source, either permanently or temporarily, in a given period of time. Water is abstracted from surface and groundwater resources by economic activities and households. Water can be abstracted for own use or for distribution to other users.

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

3. Residuals

Residuals are flows of solid, liquid and gaseous materials, and energy, that are discarded, discharged or emitted by establishments and households through processes of production, consumption or accumulation.

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

Greenhouse gases (GHG): These gases occur naturally and result from human activities (production and consumption) that contribute directly or indirectly to global warming. Some main GHG are Carbon Dioxide (CO₂), methane (CH₄) and Nitrous Oxide (N₂O). Other gases such as Carbon monoxide (CO), oxides of Nitrogen (NO_x), non methane volatile organic compounds (NMVOC) and Sulphur dioxide (SO₂), contribute indirectly to global warming. GHG act much like a glass greenhouse, trapping heat in the lower levels of the atmosphere and reflecting the heat back to the earth's surface, causing it to heat up.

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.

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

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.

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

Wastewater treatment: Process to render wastewater fit to meet environmental standards or other quality norms.

4. Extreme Events and Disasters

Warnings: The tropical cyclone warning system in Mauritius is as follows:

Class I: Issued 36 to 48 hours before Mauritius or Rodrigues is likely to be affected by gusts reaching 120 km/hr.

Class II: Issued so as to allow, as far as practicable, 12 hours of daylight before the occurrence of gusts of 120 km/hr.

Class III: Issued so as to allow, as far as practicable, 6 hours of daylight before the occurrence of gusts of 120 km/hr.

Class IV: Issued when gusts of 120 km/hr have been recorded and are expected to continue to occur.

Termination: Issued when there is no longer any appreciable danger of gusts exceeding 120 km/hr.

5. Human Settlements and Environmental Health

Human settlements: Refer to the totality of the human community, whether people live in large cities, towns or villages. They encompass the human population that resides in a settlement, the physical elements (e.g., shelter and infrastructure), services (e.g., water, sanitation, waste removal, energy and transport), and the exposure of humans to potentially deleterious environmental conditions.

Buildings: Independent, free-standing structure, comprising one or more rooms and other spaces, covered by a roof and usually enclosed within external walls or dividing walls which extends from the foundation to the roof.

Housing unit: A housing unit is a separate and independent place of abode intended for habitation by one household, or one not intended for habitation, but occupied for living purposes by a household.

6. Environment Protection, Management and Engagement

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

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.

ABBREVIATIONS AND SYMBOLS

Abbreviations

| | |
|-----------------|--|
| a.m.s.l | above mean sea level |
| % | 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) |
| hPa | Hectopascal |
| IUCN | International Union for Conservation of Nature |
| 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 |
| Rs | Rupees |
| Rs mn | Rupees million |
| Toe | Tonne of oil equivalent |
| TSP | Total suspended particles |

Symbols

| | |
|-----|-------------------|
| - | Nil or negligible |
| ... | Not available |

Conversion factor

1 square kilometer = 100 hectares