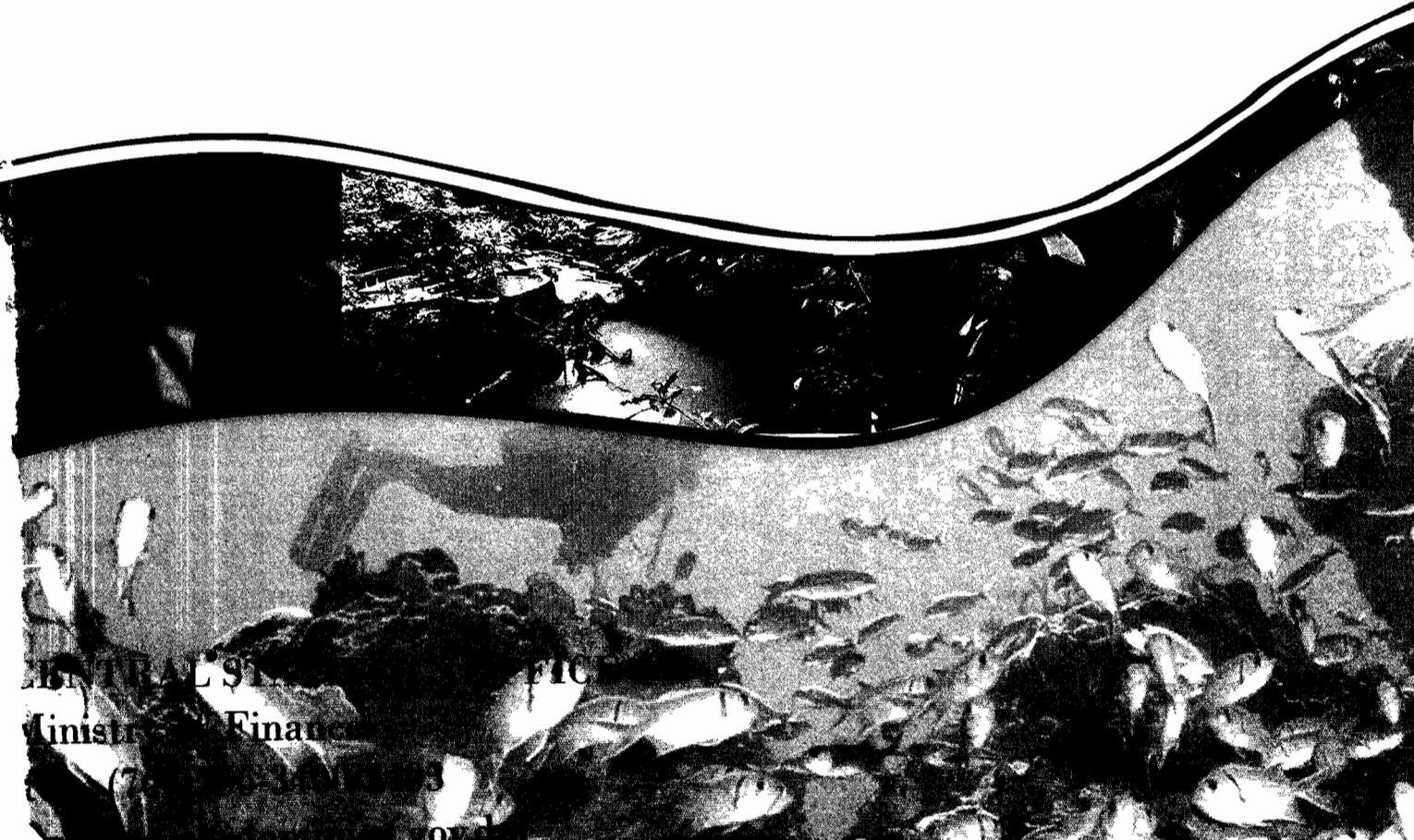




Commonwealth of Dominica



# Environment Statistics 2014



Ministry of  
Finance



## **PREFACE**

This is the fifth issue of the Environmental Statistics Compendium for Dominica. The data have been collected from various sources, and represents the main environmental concerns of economists, natural resource managers and other decision-makers.

Some of the topics covered include Climate, Population, Land Use and Agriculture, Biodiversity, Energy, Water and Waste.

The Environmental Statistics Compendium is published on a two-year interval.

The Central Statistics Office expresses great appreciation to all those who assisted in providing the relevant information for the compilation of this issue. Any comments and suggestions from users, which will improve future publications will be welcomed.

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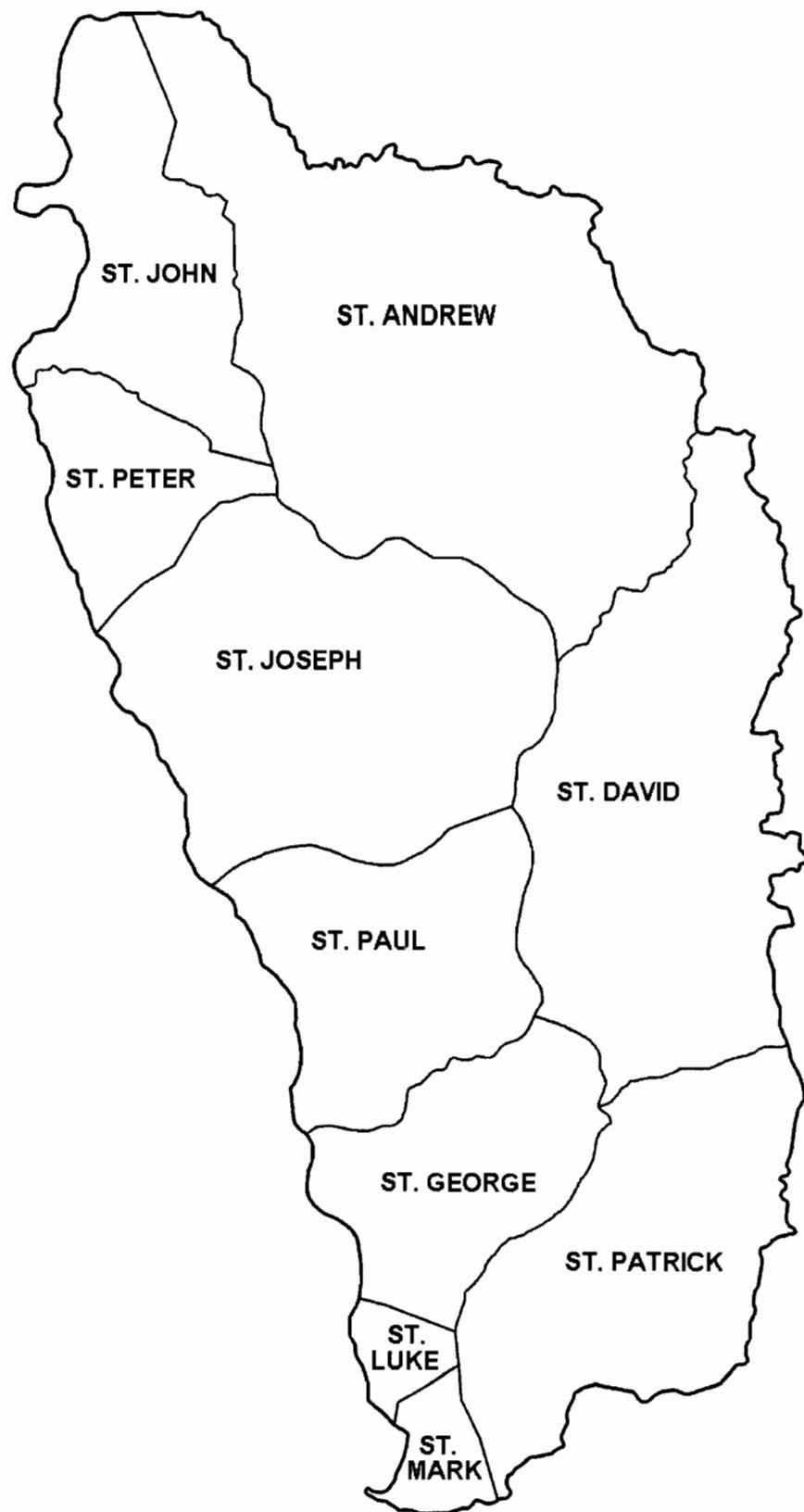
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# **DOMINICA**



Area 751 km<sup>2</sup>

Central Statistics Office

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## Notes and Symbols

0 - Nil  
... - Not available  
(e) - Estimates  
(p) - Preliminary  
% - Percentage

## Conversion Table

Metric	to	Imperial
1 ha		2.4712 acres
1 km <sup>2</sup> = 100 ha		0.3861 sq. miles
1 kg = 1000 g		2.2046 lbs.
1 tonne		0.9842 ton
1 ml		0.0352 oz = 0.0338 us. oz

Imperial	to	Metric
1 long ton		1.0161 tonnes (metric tons)
1 sq. mile = 640 acres		2.590 km
1 litre		2.113 pints = 1.76 us pint
1 gal = 1.2009 us. gal		4.5461 litres
1 us. gal		3.7854 litres

## Unit of Measurement

g - gram  
h - hour  
ha - hectare  
w - watt  
wh - watt-hour

## Multiples of Units

k – kilo  
h - hecto

## **ACRONYMS AND ABBREVIATIONS**

<b>CARICOM</b>	-	Caribbean Community
<b>OECS</b>	-	Organization of Eastern Caribbean States
<b>UNSD</b>	-	United Nations Statistics Division
<b>CSO</b>	-	Central Statistical Office
<b>MOA</b>	-	Ministry of Agriculture
<b>DOMLEC</b>	-	Dominica Electricity Services Ltd.
<b>DOWASCO</b>	-	Dominica Water and Sewerage Company
<b>ECU</b>	-	Environmental Coordinating Unit
<b>GDP</b>	-	Gross Domestic Product
<b>HCFCs</b>	-	Hydrochlorofluorocarbons
<b>ODS</b>	-	Ozone Depleting Substance
<b>CFCs</b>	-	Chlorofluorocarbons

## **The Commonwealth of Dominica**

### **Description and General Background**

The Commonwealth of Dominica is the most northern and largest of the Eastern Caribbean's Windward Islands, situated between Latitude 15° 20 minutes North and Longitude 61° 22 minutes West. It lies between the French islands of Guadeloupe to the north and Martinique to the south. The island is 751 square kilometers (289.5sq miles). Dominica's climate is classified a humid tropical marine, characterized by little seasonal variation between the wet and dry season. Its pronounced high rainfall during the wet season contributes to its lush vegetation.

The island's topography is rugged with steep, luxuriant rain forest mountains, deep river-incised valleys and tree-covered hills that produce and sustain pristine rivers, perennial streams and tumbling mountain waterfalls. The island has great diversity of flora and fauna. The Morne Trois Pitons National Park (incorporating the central mountain range) is inscribed on the United Nations World Heritage List since 1998, based on the criteria of Outstanding Universal Value to Mankind, its natural aesthetic, rich bio-diversity and irreplaceable contribution to the understanding of science and natural landscape phenomena.

Dominica's relatively undisturbed and rugged landscape, extensive forest, pristine fresh and sea water and overall ecological system have contributed to Dominica's being acclaimed as "the Nature Island of the Caribbean". This label has impacted favorably in positioning Dominica's global choices as a tourist destination for nature lovers and environmental adventure seekers. The island is currently promoted and is in its advancing stage as an eco-tourist destination.

The island is subdivided into ten parishes or population zones with capital city Roseau, located within the parish of St. George in the south-west. The total population registered 70,739 with the city of Roseau recording a non-institutional population of 14,725 in the 2011 Population and Housing Census. The population comprises mainly people of African descent, 84.7; an 8.7 percent mixed race population and 3.7 percent of indigenous Kalinago people, the survivors of the original or first people of the Caribbean. The Kalinago occupy a demarcated area called the Kalinago Territory, on the northeast of Dominica.

Cruise ships call regularly registering a record 516,820 passengers in 2010. Visitors increased by 4.2 percent from 2004 to 2014, reaching a total arrival of 83,455 in 2014. The three major markets are the Caribbean accounting for 51.5 percent of visitors, United States of America, 24.1 percent and Europe 18.

## **Political and Economic Situation**

Dominica attained political independence from England in 1978 and retains a political organization based on the British Parliament multi-party democracy. Dominica inherited its official language, English. However, partly due to historical influences, the majority of the population speaks a patois "kweyol" composing of French linguistic structures.

Traditionally, Dominica's economy has been based on agriculture. However, global and regional events have contributed to the declining dominance of agriculture in particular the cultivation of bananas. In recent times, the Wholesale and Retail Trade and Transport, Storage and Communication sectors have emerged as the leading industries accounting for 14.80 and 14.26 percent respectively, of Gross Domestic Product (GDP) in 2014. Agriculture (mainly non-banana) contributed 12.12 percent of GDP in 2014. Education, mainly Private Education (off-shore) accounted for 10.73 and Real Estate, Renting and Business Activities, 10.08 percent. Economically, Dominica pursues and sustains a free-market and liberal economy. During the 2014 period, the economy registered an estimated growth rate of 3.42 percent. The Fishing industry recorded sharp growth of 38.73 percent following a slump in the sector. Hotels and Restaurant grew 12.67 percent; Public Administration, 10.67; Construction, 9.24 and Wholesale and Retail Trade, 4.32. The All Items Consumer Price Index recorded a 0.77 percent increase in 2014.

## CHAPTER 1 SOCIO-ECONOMIC

**Table 1.1 Non-institutional Population at Census Dates  
1960, 1970, 1981, 1991, 2001, and 2011**

	1960	1970	1981	1991	2001	2011
	7th April	7th April	7th April	12th April	12th May	14th May
<b>Total</b>	<b>59,916</b>	<b>69,549</b>	<b>73,795</b>	<b>71,183</b>	<b>69,775</b>	<b>68,913</b>
Male	28,167	32,968	36,754	35,471	35,109	34,973
Female	31,749	36,581	37,041	35,712	34,666	33,940

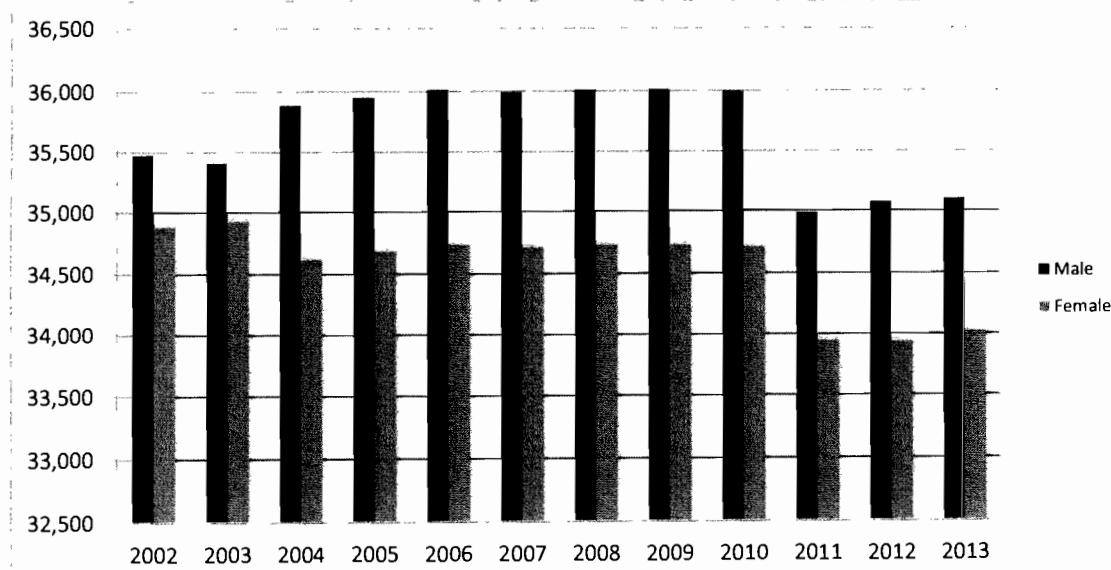
Source: Central Statistics Office

**Table 1.2 Total End of Year Population Estimates by Sex 2002 - 2013**

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>Total</b>	<b>70,362</b>	<b>70,340</b>	<b>70,494</b>	<b>70,633</b>	<b>70,751</b>	<b>70,707</b>	<b>70,745</b>	<b>70,748</b>	<b>70,712</b>	<b>68,925</b>	<b>69,009</b>	<b>69,120</b>
Male	35,473	35,409	35,881	35,952	36,012	35,990	36,009	36,011	35,992	34,981	35,074	35,102
Female	34,889	34,931	34,613	34,681	34,739	34,717	34,736	34,737	34,720	33,944	33,935	34,018

Source: Central Statistics Office

**Chart 1. Total End of Year Population by Sex 2002 - 2013**



**Table 1.3 Population By Parish  
1991, 2001 and 2011**

Parish	1991	2001	2011	%CHANGE	%CHANGE
				1991 - 2001	2001 - 2011
St. George	20,365	19,863	20,653	-2.47	3.98
City of Roseau	15,853	14,579	14,611	-8.04	0.22
Rest of St. George	4,512	5,284	6,042	17.11	14.35
St. John	4,990	5,322	6,392	6.65	20.11
St. Peter	1,643	1,448	1,353	-11.87	-6.56
St. Joseph	6,183	5,770	5,396	-6.68	-6.48
St. Paul	7,495	8,435	9,483	12.54	12.42
St. Luke	1,552	1,569	1,547	1.1	-1.40
St. Mark	1,943	1,909	1,763	-1.75	-7.65
St. Patrick	8,929	8,451	7,302	-5.35	-13.60
St. David	6,977	6,758	5,877	-3.14	-13.04
St. Andrew	11,106	10,250	9,147	-7.71	-10.76
<b>TOTAL</b>	<b>71,183</b>	<b>69,775</b>	<b>68,913</b>	<b>-1.98</b>	<b>-1.24</b>

Source: Central Statistics Office

From 1991 Census, the City of Roseau includes Fond Cole, Goodwill, St. Aroment, Bath Estate and Elmshall

**Table 1.4 Population Density By Land Area  
2001 and 2011 Census**

Parish	Land Area (Km)	2001		2011	
		Population	Density	Population	Density
St. George	56.2	19,863	353	20,653	367
St. John	59.1	5,322	90	6,392	108
St. Peter	34.2	1,448	43	1,353	40
St. Joseph	118.4	5,770	49	5,396	46
St. Paul	66.4	8,435	127	9,483	143
St. Luke	10.8	1,569	146	1,547	143
St. Mark	13.5	1,909	141	1,763	131
St. Patrick	86.7	8,451	97	7,302	84
St. David	125.8	6,758	54	5,877	47
St. Andrew	179.9	10,250	57	9,147	51
<b>TOTAL</b>	<b>751</b>	<b>69,775</b>	<b>93</b>	<b>68,913</b>	<b>92</b>

Source: Central Statistics Office

**Table 1.5 Population Growth Rate  
1946, 1960, 1970, 1981, 1991 ,2001 and 2011**

Year	Population	Percentage Change	Intercensal Annual Rate of Change
1946	47,624	28.51	1.01
1960	59,916	25.81	1.65
1970	69,549	16.08	1.48
1981	73,795	6.11	0.55
1991	71,183	-3.54	-0.37
2001	69,775	-1.98	-0.21
2011	68,913	-1.23	-0.01

Source: Central Statistics Office

**Table 1.6 Life Expectancy 2002 - 2013**

<b>Year</b>	<b>Male</b>	<b>Female</b>	<b>Both Sexes</b>
2002	72.37	77.65	73.93
2003	71.74	77.90	75.05
2004	73.30	77.20	75.89
2005	71.92	78.10	75.91
2006	72.97	77.95	75.47
2007	71.45	77.62	74.50
2008	73.19	78.12	75.84
2009	72.39	78.31	75.62
2010	73.25	76.96	73.97
2011	71.42	77.27	74.16
2012	72.27	77.00	74.48
2013	69.75	74.67	72.05

Source: Central Statistics Office, Demographic Report 2013

Note: Data Revised

**Table 1.7 Reported Cases of Environmentally-Related Diseases by Type  
1999–2009**

Type of Diseases	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Gastroenteritis under 5	107	26	16	139	66	432	592	762	280	443**	146
Typhoid	3	0	1	2	2	0	0	2	3	0	0
Malaria	0	1	1	0	0	0	0	0	0	1	0
Diarrhoea	8	5	2	17	19	10	13	5	n/a	n/a	n/a
Respiratory Diseases	0	0	0	31	0	351	268	774	2,700*	1,576	1,726***
Dengue	1	37	1	0	0	4	14	66	109	0	0
Leptospirosis	0	0	0	2	2	4	6	4	2	1	1
<b>Total</b>	<b>119</b>	<b>69</b>	<b>21</b>	<b>191</b>	<b>89</b>	<b>801</b>	<b>893</b>	<b>1,613</b>	<b>3,094</b>	<b>2,020</b>	<b>1,873</b>

Source: Health Information Unit, Ministry of Health

Notes: For 2006, increase in cases of Gastroenteritis under 5 was due to an outbreak of Novo Virus

From 2004, increase in respiratory diseases was due to a vigilant syndromic surveillance

\*2007: seasonal Influenza Outbreak

\*\*2008 : Gastroenteritis Outbreak

\*\*\*2009: H1N1 Pandemic Influenza Outbreak

n/a : not applicable since was not recorded as an environmentally-related disease.

Malaria: in 2008 there was one imported case of malaria, no indigenous cases.

**Table 1.7a Reported Cases of Environmentally Related Diseases By Type 2010 - 2013**

Type of Diseases	2010	2011	2012	2013
Gastro-enteritis under 5	510	340	208	337
Typhoid	1	1	0	0
Malaria	0	0	0	0
Acute Respiratory illnesses (ARI) for both <5 & >5 years age-group	1624	1298	1147	1990
Dengue	*632	40	12	233
Leptospirosis	11	29	5	8
Influenza	18	3	8	14
Respiratory Syncytial Virus (RSV)	3	4	13	4
Tuberculosis (TB)	8	2	6	2
<b>Total</b>	<b>2,805</b>	<b>1,717</b>	<b>1,399</b>	<b>2,588</b>

Source: Ministry of Health, Health Information Unit

Notes: Case definition of gastroenteritis: 3 loose stool (diarrhoea) in 24 hours period (diarrhoea and gastroenteritis have the same symptoms).

\*Dengue Outbreak

**Table 1.8 Population on Coast Line by Parish  
2001 and 2011**

Parish	2001 Coast Line Population	2001 Population	% Coast Line Population	2011 Coast Line Population	2011 Population	% Coast Line Population
St. George	4,774	19,863	24.03	6,613	20,653	32.02
St. John	2,793	5,322	52.48	5,157	6,392	80.68
St. Peter	1,421	1,448	98.14	1,353	1,353	100.00
St. Joseph	2,369	5,770	41.06	1,730	5,396	32.06
St. Paul	6,508	8,435	77.15	4,724	9,483	49.82
St. Luke	1,569	1,569	100.00	1,547	1,547	100.00
St. Mark	1,746	1,909	91.46	1,626	1,763	92.23
St. Patrick	637	8,451	7.54	812	7,302	11.12
St. David	1,960	6,758	29.00	1,133	5,877	19.28
St. Andrew	2,186	10,250	21.33	2,099	9,147	22.95
<b>Total</b>	<b>25,963</b>	<b>69,775</b>	<b>37.21</b>	<b>26,794</b>	<b>68,913</b>	<b>38.88</b>

Source: Central Statistics Office and 2011 Population Census Visitation Records

Note: Excludes persons in closed houses

Includes refusals and no contacts

**Chart 2 Population on Coast Line by Parish  
2001 and 2011**

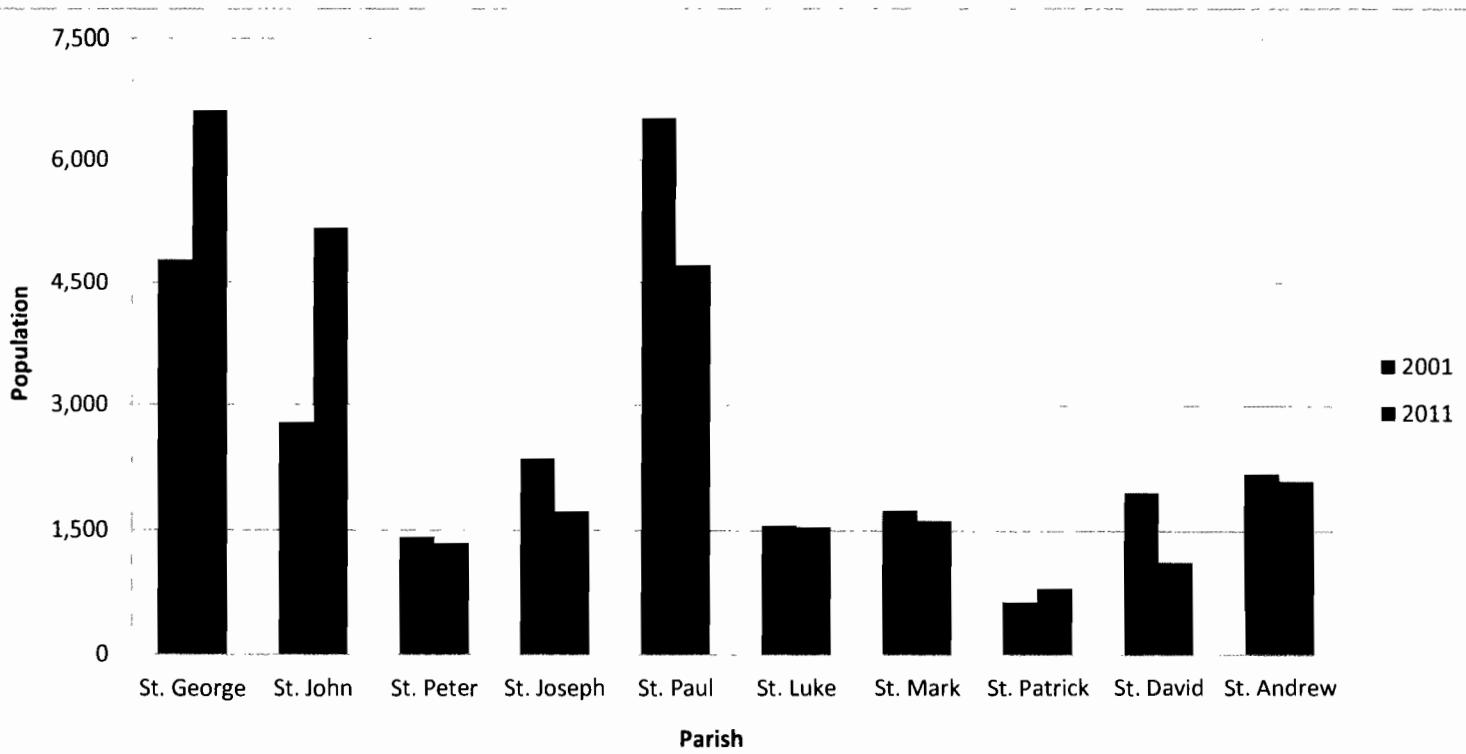


Table 1.8a Population on Coast Line by Sex and Age Group - 2001

AGE GROUP	PARISH																					
	City of Roseau		Rest of St. George		St. John		St. Peter		St. Joseph		St. Paul		St. Luke		St. Mark		St. Patrick		St. David		St. Andrew	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
0-4	156	141	29	31	122	124	46	55	87	85	296	273	67	71	69	63	20	23	83	102	98	107
5-9	175	198	44	32	162	134	62	64	112	128	362	322	80	74	79	67	33	25	124	104	126	124
10-14	180	157	34	26	130	131	71	56	110	132	304	317	67	77	81	81	26	32	108	110	118	91
15-19	192	215	27	35	117	138	75	63	109	106	332	306	75	67	72	79	37	33	106	85	80	97
20-24	172	146	29	32	104	98	47	31	82	55	217	230	66	62	64	51	15	17	60	51	69	50
25-29	155	150	30	35	110	112	66	43	80	68	236	273	66	70	69	82	22	16	75	61	82	73
30-34	151	166	33	27	106	105	56	49	105	78	284	321	49	59	72	67	29	25	89	78	96	75
35-39	137	178	26	37	104	96	55	42	88	89	236	233	60	42	53	62	33	18	85	41	104	68
40-44	133	115	27	21	87	84	45	34	92	68	203	215	44	53	58	50	18	14	63	54	74	55
45-49	112	125	17	17	71	56	45	43	65	55	159	181	36	35	54	37	26	11	44	42	72	53
50-54	66	99	16	11	48	68	31	28	54	43	136	138	35	38	31	50	12	10	34	26	43	45
55-59	55	61	15	14	50	39	29	30	45	42	86	119	27	26	42	37	21	10	34	27	41	35
60-64	47	77	6	16	42	49	15	27	33	53	104	112	19	27	19	32	10	10	30	27	33	47
65-69	43	85	10	14	56	47	27	22	35	49	95	88	31	27	25	45	11	10	33	39	38	49
70-74	47	69	12	13	37	35	20	27	37	43	50	68	15	20	25	28	10	11	32	28	28	30
75-79	24	54	9	12	24	31	14	19	16	22	40	57	14	20	20	27	10	11	16	19	15	23
80-84	24	48	1	10	15	30	15	31	17	30	18	36	9	6	9	20	10	7	10	15	12	12
85+	15	46	3	9	13	18	22	16	28	28	20	41	11	24	8	18	7	4	7	18	4	19
TOTAL	1884	2130	368	392	1398	1395	741	680	1195	1174	3178	3330	771	798	850	896	350	287	1033	927	1133	1053
GRAND TOTAL	4014		760		2793		1421		2369		6508		1569		1746		637		1960		2186	

**Dominica Environment Statistics 2013 - Socio-economic Background**

**GROSS DOMESTIC PRODUCT**

**Table 1.9 Gross Value Added by Economic Activity,  
Constant Prices 2004 – 2013**

EC\$M

Sector	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013P
<b>Agriculture, Livestock and Forestry</b>	<b>106.55</b>	<b>106.03</b>	<b>106.61</b>	<b>96.81</b>	<b>111.32</b>	<b>113.16</b>	<b>104.20</b>	<b>111.65</b>	<b>121.33</b>	<b>124.01</b>
Crops:	93.70	93.65	93.35	82.47	98.02	99.88	90.83	98.79	108.16	108.40
Bananas	19.86	18.05	18.26	8.27	13.79	12.07	10.99	13.85	11.55	7.81
Other Crops	73.84	75.59	75.09	74.21	84.23	87.81	79.85	84.94	96.61	100.58
Livestock	9.70	9.24	9.84	11.15	10.31	10.27	10.34	9.82	10.12	12.55
Forestry	3.15	3.14	3.42	3.18	2.99	3.01	3.03	3.04	3.04	3.06
Fishing	3.14	3.26	4.04	5.08	4.32	4.49	3.70	4.14	3.53	3.33
<b>Mining &amp; Quarrying</b>	<b>11.92</b>	<b>10.32</b>	<b>11.49</b>	<b>14.67</b>	<b>18.36</b>	<b>9.70</b>	<b>9.22</b>	<b>10.14</b>	<b>8.62</b>	<b>9.05</b>
<b>Manufacturing</b>	<b>42.49</b>	<b>41.40</b>	<b>43.62</b>	<b>41.86</b>	<b>36.75</b>	<b>35.78</b>	<b>35.26</b>	<b>33.22</b>	<b>35.02</b>	<b>36.45</b>
<b>Electricity and Water Supply</b>	<b>41.53</b>	<b>45.24</b>	<b>45.87</b>	<b>46.72</b>	<b>47.69</b>	<b>50.95</b>	<b>53.89</b>	<b>54.13</b>	<b>54.79</b>	<b>54.02</b>
Electricity	33.62	35.50	36.25	36.66	37.13	39.35	42.08	42.61	43.14	42.75
Water	7.91	9.74	9.63	10.06	10.56	11.61	11.81	11.52	11.65	11.26
<b>Construction</b>	<b>32.27</b>	<b>34.57</b>	<b>37.70</b>	<b>49.04</b>	<b>65.03</b>	<b>60.31</b>	<b>65.55</b>	<b>67.80</b>	<b>61.64</b>	<b>51.77</b>
<b>Wholesale &amp; Retail Trade</b>	<b>107.92</b>	<b>103.24</b>	<b>98.17</b>	<b>114.83</b>	<b>132.36</b>	<b>138.61</b>	<b>138.67</b>	<b>145.15</b>	<b>138.30</b>	<b>140.53</b>
Repair of Personal Household Goods	27.19	26.32	23.20	25.15	30.62	33.74	32.87	33.88	32.20	33.11
Distribution of Fuel and Fuel Products	11.96	13.53	15.07	19.72	26.43	22.70	22.73	24.75	24.06	24.51
Wholesale/Retail of other Goods	68.76	63.39	59.90	69.95	75.32	82.17	83.07	86.51	82.04	82.91
<b>Hotels &amp; Restaurants</b>	<b>17.17</b>	<b>16.76</b>	<b>18.28</b>	<b>18.29</b>	<b>18.58</b>	<b>17.82</b>	<b>17.92</b>	<b>19.22</b>	<b>19.24</b>	<b>20.06</b>
Accommodation	9.37	9.47	9.50	9.04	9.17	7.77	7.73	8.64	8.65	9.16
Restaurants	7.81	7.29	8.77	9.25	9.41	10.06	10.19	10.58	10.58	10.90
<b>Transport, Storage and Communications</b>	<b>113.84</b>	<b>125.47</b>	<b>135.47</b>	<b>146.54</b>	<b>158.10</b>	<b>148.39</b>	<b>145.19</b>	<b>146.14</b>	<b>145.87</b>	<b>143.49</b>
Road Transport	38.95	45.16	48.22	51.74	55.22	56.04	56.72	56.46	58.71	59.29
Sea Transport	9.00	9.33	10.87	12.58	13.81	10.84	10.16	11.25	10.01	10.77
Air Transport	0.97	1.01	0.90	1.66	1.87	1.65	1.58	1.62	1.58	1.62
Auxiliary Transport Activities and Storage	12.37	13.31	14.93	17.30	19.10	15.19	12.72	13.62	13.65	14.51
Communications	52.54	56.65	60.55	63.26	68.10	64.67	64.01	63.19	61.93	57.30
<b>Financial Intermediation</b>	<b>56.53</b>	<b>59.32</b>	<b>63.13</b>	<b>71.49</b>	<b>73.94</b>	<b>74.31</b>	<b>76.40</b>	<b>77.50</b>	<b>73.83</b>	<b>68.50</b>
Banks	43.89	46.01	48.66	56.88	58.76	58.84	60.61	61.71	58.14	52.78
Auxiliary Financial Intermediation	1.28	1.16	1.28	1.24	1.12	1.03	1.24	1.20	1.24	1.20
Insurance	11.36	12.14	13.19	13.36	14.06	14.43	14.55	14.59	14.44	14.51
<b>Real Estate, Renting and Business Activities</b>	<b>96.72</b>	<b>97.58</b>	<b>96.55</b>	<b>97.82</b>	<b>99.67</b>	<b>102.22</b>	<b>102.51</b>	<b>102.90</b>	<b>103.48</b>	<b>103.85</b>
Owner-Occupied Dwellings	67.20	67.52	67.89	68.32	68.69	69.04	69.33	69.67	70.10	70.45
Real Estate	17.99	18.07	18.17	18.29	18.39	18.48	18.56	18.65	18.77	18.86
Renting of Machinery and Equipment	2.88	2.53	2.38	2.83	3.42	4.22	3.74	3.52	3.56	3.50
Computer and Related Services	1.20	1.24	1.26	1.37	1.36	1.39	1.40	1.40	1.38	1.37
Business Services	7.45	8.22	6.84	7.01	7.81	9.09	9.49	9.66	9.68	9.68
<b>Public Administration, Defence and Social Services</b>	<b>79.22</b>	<b>74.90</b>	<b>76.45</b>	<b>77.83</b>	<b>75.77</b>	<b>80.09</b>	<b>81.94</b>	<b>86.91</b>	<b>86.70</b>	<b>88.35</b>
<b>Education</b>	<b>134.62</b>	<b>113.71</b>	<b>129.28</b>	<b>121.20</b>	<b>129.51</b>	<b>129.81</b>	<b>136.64</b>	<b>125.58</b>	<b>129.53</b>	<b>130.42</b>
Public	39.46	37.39	35.52	37.29	37.57	37.48	38.86	36.11	36.60	35.72
Private	95.16	76.32	93.75	83.91	91.94	92.33	97.77	89.47	92.93	94.70
<b>Health and Social Work</b>	<b>32.75</b>	<b>31.58</b>	<b>31.36</b>	<b>32.16</b>	<b>32.87</b>	<b>34.06</b>	<b>36.13</b>	<b>36.44</b>	<b>37.74</b>	<b>38.37</b>
Public	28.06	26.74	26.75	27.64	28.34	29.36	30.88	31.84	33.08	33.59
Private	4.69	4.84	4.61	4.52	4.53	4.70	5.25	4.60	4.66	4.78
<b>Other Community/Social/Personal Services</b>	<b>10.06</b>	<b>9.93</b>	<b>10.36</b>	<b>10.64</b>	<b>10.33</b>	<b>10.36</b>	<b>10.41</b>	<b>10.49</b>	<b>10.47</b>	<b>10.16</b>
Public	1.01	1.10	1.30	1.16	1.16	1.16	1.16	1.15	1.10	1.13
Private	9.06	8.82	9.06	9.48	9.18	9.20	9.25	9.34	9.37	9.04
<b>Private Households with Employed Persons</b>	<b>2.17</b>	<b>2.55</b>	<b>2.93</b>	<b>2.99</b>	<b>3.07</b>	<b>3.03</b>	<b>3.21</b>	<b>3.44</b>	<b>3.50</b>	<b>3.54</b>
<b>Less FISIM</b>	<b>8.19</b>	<b>8.01</b>	<b>8.01</b>	<b>7.86</b>	<b>8.22</b>	<b>12.18</b>	<b>13.04</b>	<b>13.50</b>	<b>16.10</b>	<b>14.11</b>
<b>GVA in Basic Prices</b>	<b>880.71</b>	<b>867.84</b>	<b>903.28</b>	<b>940.09</b>	<b>1009.47</b>	<b>1000.91</b>	<b>1007.80</b>	<b>1021.35</b>	<b>1017.49</b>	<b>1011.79</b>
<b>Growth Rate</b>	<b>1.50</b>	<b>(1.46)</b>	<b>4.08</b>	<b>4.08</b>	<b>7.38</b>	<b>(0.85)</b>	<b>0.69</b>	<b>1.34</b>	<b>(0.38)</b>	<b>(0.56)</b>

Source: Central Statistics Office.

Note: P- Preliminary

**Dominica Environment Statistics 2013 - Socio-economic Background**

**Table 1.9a Gross Value Added by Economic Activity,  
Current Prices 2004 – 2013**

ECM

Sector	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013P
<b>Agriculture, Livestock &amp; Forestry</b>	<b>106.95</b>	<b>109.38</b>	<b>106.61</b>	<b>113.10</b>	<b>141.34</b>	<b>161.79</b>	<b>149.58</b>	<b>164.89</b>	<b>193.09</b>	<b>198.95</b>
Crops:										
Bananas	94.34	97.51	93.35	95.29	125.88	146.36	134.03	150.21	178.64	180.15
Other Crops	18.28	15.35	18.26	9.65	18.56	16.59	14.27	19.06	16.46	11.26
Livestock	76.06	82.16	75.09	85.64	107.32	129.77	119.76	131.15	162.18	168.89
Forestry	9.46	8.62	9.84	14.40	12.04	11.98	12.09	11.21	10.97	15.30
<b>Fishing</b>	<b>3.15</b>	<b>3.25</b>	<b>3.42</b>	<b>3.41</b>	<b>3.42</b>	<b>3.44</b>	<b>3.46</b>	<b>3.47</b>	<b>3.48</b>	<b>3.50</b>
<b>Mining and Quarrying</b>	<b>4.07</b>	<b>3.60</b>	<b>4.04</b>	<b>5.75</b>	<b>1.73</b>	<b>3.96</b>	<b>3.30</b>	<b>4.22</b>	<b>4.06</b>	<b>3.82</b>
<b>Manufacturing</b>	<b>11.14</b>	<b>9.41</b>	<b>11.49</b>	<b>14.11</b>	<b>17.22</b>	<b>15.33</b>	<b>16.50</b>	<b>19.04</b>	<b>19.40</b>	<b>22.55</b>
<b>Electricity and Water Supply</b>	<b>45.81</b>	<b>39.30</b>	<b>43.62</b>	<b>39.54</b>	<b>29.14</b>	<b>30.62</b>	<b>31.49</b>	<b>35.94</b>	<b>38.69</b>	<b>40.66</b>
Electricity	41.88	43.31	45.87	51.02	48.85	47.75	51.88	57.22	56.86	55.93
Water	32.10	33.75	36.25	35.91	37.72	37.02	40.42	44.50	45.29	44.73
<b>Construction</b>	<b>32.76</b>	<b>36.02</b>	<b>37.70</b>	<b>47.92</b>	<b>62.14</b>	<b>56.33</b>	<b>60.03</b>	<b>61.47</b>	<b>55.33</b>	<b>46.47</b>
<b>Wholesale &amp; Retail Trade</b>	<b>102.05</b>	<b>100.61</b>	<b>98.17</b>	<b>112.00</b>	<b>142.50</b>	<b>151.66</b>	<b>159.06</b>	<b>163.13</b>	<b>159.25</b>	<b>156.55</b>
Repair of Personal Household Goods	25.71	25.65	23.20	24.53	32.96	36.91	37.70	38.08	37.08	36.88
Distribution of Fuel and Fuel Products	11.31	13.18	15.07	19.24	28.45	24.84	26.08	27.82	27.70	27.30
Wholesale/Retail of other Goods	65.02	61.78	59.90	68.23	81.09	89.91	95.28	97.23	94.47	92.37
<b>Hotels and Restaurants</b>	<b>17.55</b>	<b>14.98</b>	<b>18.28</b>	<b>18.67</b>	<b>19.24</b>	<b>20.00</b>	<b>21.27</b>	<b>23.23</b>	<b>23.77</b>	<b>24.83</b>
Accommodation	9.44	9.76	9.50	9.48	9.67	9.74	10.27	11.73	11.91	12.48
Restaurants	8.11	5.22	8.77	9.19	9.57	10.26	11.00	11.50	11.86	12.35
<b>Transport, Storage &amp; Communications</b>	<b>116.17</b>	<b>119.79</b>	<b>135.47</b>	<b>136.63</b>	<b>144.35</b>	<b>185.25</b>	<b>150.28</b>	<b>158.53</b>	<b>165.62</b>	<b>171.38</b>
Road Transport	42.84	44.99	48.22	47.34	48.53	78.15	62.92	64.09	64.73	65.38
Sea Transport	10.70	9.85	10.87	10.08	12.34	13.16	11.23	12.21	11.22	10.76
Air Transport	0.74	0.79	0.90	0.92	1.20	1.18	1.08	1.07	1.01	1.06
Auxiliary Transport Activities & Storage	16.27	14.51	14.93	17.73	20.60	20.32	18.18	18.98	21.09	22.35
Communications	45.63	49.65	60.55	60.56	61.69	72.44	56.87	62.18	67.56	71.83
<b>Financial Intermediation</b>	<b>59.25</b>	<b>57.49</b>	<b>63.13</b>	<b>75.54</b>	<b>78.61</b>	<b>77.17</b>	<b>73.22</b>	<b>77.32</b>	<b>76.15</b>	<b>68.51</b>
Banks	47.49	46.08	48.66	56.78	60.68	60.51	56.50	59.72	58.15	51.02
Auxiliary Financial Intermediation	1.25	1.39	1.28	1.29	1.27	1.17	1.08	2.50	3.05	2.46
Insurance	10.50	10.02	13.19	17.47	16.66	15.49	15.65	15.10	14.95	15.03
<b>Real Estate, Renting &amp; Business Activities</b>	<b>96.30</b>	<b>97.42</b>	<b>96.55</b>	<b>97.89</b>	<b>100.69</b>	<b>103.26</b>	<b>103.82</b>	<b>104.34</b>	<b>105.20</b>	<b>105.62</b>
Owner-Occupied Dwellings	67.20	67.52	67.89	68.19	68.76	69.13	69.41	69.76	70.19	70.53
Real Estate	17.99	18.07	18.17	18.25	18.41	18.50	18.58	18.67	18.79	18.88
Renting of Machinery & Equipment	2.82	2.61	2.38	2.79	3.45	4.12	3.53	3.26	3.40	3.44
Computer & Related Services	1.15	1.20	1.26	1.41	1.50	1.53	1.59	1.60	1.59	1.58
Business Services	7.14	8.01	6.84	7.23	8.58	9.98	10.72	11.06	11.23	11.19
<b>Public Administration, Defence &amp; Social Security</b>	<b>73.55</b>	<b>72.86</b>	<b>76.45</b>	<b>79.13</b>	<b>78.58</b>	<b>83.16</b>	<b>85.35</b>	<b>93.16</b>	<b>92.97</b>	<b>102.28</b>
<b>Education</b>	<b>127.84</b>	<b>109.43</b>	<b>129.28</b>	<b>125.15</b>	<b>140.72</b>	<b>141.24</b>	<b>152.52</b>	<b>145.17</b>	<b>153.16</b>	<b>155.57</b>
Public	36.41	36.31	35.52	37.71	38.76	38.66	40.19	38.38	38.90	38.91
Private	91.43	73.11	93.75	87.44	101.96	102.58	112.33	106.79	114.26	116.66
<b>Health &amp; Social Work</b>	<b>30.31</b>	<b>30.54</b>	<b>31.36</b>	<b>32.62</b>	<b>34.00</b>	<b>35.29</b>	<b>37.53</b>	<b>38.75</b>	<b>40.13</b>	<b>41.69</b>
Public	25.86	25.93	26.75	27.92	29.19	30.25	31.89	33.79	35.11	36.54
Private	4.46	4.61	4.61	4.70	4.80	5.05	5.64	4.96	5.03	5.15
<b>Other Community/Social/Personal Services</b>	<b>10.64</b>	<b>9.64</b>	<b>10.36</b>	<b>10.94</b>	<b>11.07</b>	<b>11.09</b>	<b>11.59</b>	<b>11.88</b>	<b>12.01</b>	<b>11.16</b>
Public	1.52	0.76	1.30	1.15	1.22	1.24	1.34	1.34	1.47	1.50
Private	9.12	8.88	9.06	9.79	9.85	9.86	10.25	10.55	10.54	9.66
<b>Private Households with Employed Persons</b>	<b>2.06</b>	<b>2.49</b>	<b>2.93</b>	<b>2.99</b>	<b>3.07</b>	<b>3.03</b>	<b>3.12</b>	<b>3.16</b>	<b>3.20</b>	<b>3.27</b>
<b>Less FISIM</b>	<b>8.71</b>	<b>8.27</b>	<b>8.01</b>	<b>7.52</b>	<b>8.37</b>	<b>12.45</b>	<b>13.68</b>	<b>14.10</b>	<b>18.37</b>	<b>17.00</b>
<b>GDP at Market Prices</b>	<b>1011.86</b>	<b>1000.12</b>	<b>1074.03</b>	<b>1157.50</b>	<b>1266.45</b>	<b>1347.11</b>	<b>1330.98</b>	<b>1372.86</b>	<b>1397.51</b>	<b>1412.30</b>
<b>Growth Rate Basic Prices</b>	<b>5.25</b>	<b>(2.48)</b>	<b>6.52</b>	<b>5.78</b>	<b>9.36</b>	<b>6.66</b>	<b>(1.58)</b>	<b>4.60</b>	<b>2.89</b>	<b>0.99</b>
<b>Growth Rate Market Prices</b>	<b>7.05</b>	<b>(1.16)</b>	<b>7.39</b>	<b>7.77</b>	<b>9.41</b>	<b>6.37</b>	<b>(1.20)</b>	<b>3.15</b>	<b>1.80</b>	<b>1.06</b>

Source: Central Statistics Office

Note: P- Preliminary

**Dominica Environment Statistics 2013 - Socio-economic Background**

**Table 1.9b Percentage Contribution of Gross Value Added by Economic Activity,  
Constant Prices 2004 – 2013**

ECONOMIC ACTIVITY	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013P
<b>Agriculture, Livestock &amp; Forestry</b>	<b>12.10</b>	<b>12.22</b>	<b>11.80</b>	<b>10.30</b>	<b>11.03</b>	<b>11.31</b>	<b>10.34</b>	<b>10.93</b>	<b>11.92</b>	<b>12.26</b>
<b>Crops:</b>	<b>10.64</b>	<b>10.79</b>	<b>10.33</b>	<b>8.77</b>	<b>9.71</b>	<b>9.98</b>	<b>9.01</b>	<b>9.67</b>	<b>10.63</b>	<b>10.71</b>
Bananas	2.26	2.08	2.02	0.88	1.37	1.21	1.09	1.36	1.13	0.77
Other Crops	8.38	8.71	8.31	7.89	8.34	8.77	7.92	8.32	9.50	9.94
Livestock	1.10	1.07	1.09	1.19	1.02	1.03	1.03	0.96	1.00	1.24
Forestry	0.36	0.36	0.38	0.34	0.30	0.30	0.30	0.30	0.30	0.30
<b>Fishing</b>	<b>0.36</b>	<b>0.38</b>	<b>0.45</b>	<b>0.54</b>	<b>0.43</b>	<b>0.45</b>	<b>0.37</b>	<b>0.41</b>	<b>0.35</b>	<b>0.33</b>
<b>Mining and Quarrying</b>	<b>1.35</b>	<b>1.19</b>	<b>1.27</b>	<b>1.56</b>	<b>1.82</b>	<b>0.97</b>	<b>0.91</b>	<b>0.99</b>	<b>0.85</b>	<b>0.89</b>
<b>Manufacturing</b>	<b>4.82</b>	<b>4.77</b>	<b>4.83</b>	<b>4.45</b>	<b>3.64</b>	<b>3.57</b>	<b>3.50</b>	<b>3.25</b>	<b>3.44</b>	<b>3.60</b>
<b>Electricity and Water Supply</b>	<b>4.72</b>	<b>5.21</b>	<b>5.08</b>	<b>4.97</b>	<b>4.72</b>	<b>5.09</b>	<b>5.35</b>	<b>5.30</b>	<b>5.38</b>	<b>5.34</b>
Electricity	3.82	4.09	4.01	3.90	3.68	3.93	4.18	4.17	4.24	4.23
Water	0.90	1.12	1.07	1.07	1.05	1.16	1.17	1.13	1.14	1.11
<b>Construction</b>	<b>3.66</b>	<b>3.98</b>	<b>4.17</b>	<b>5.22</b>	<b>6.44</b>	<b>6.03</b>	<b>6.50</b>	<b>6.64</b>	<b>6.06</b>	<b>5.12</b>
<b>Wholesale &amp; Retail Trade</b>	<b>12.25</b>	<b>11.90</b>	<b>10.87</b>	<b>12.21</b>	<b>13.11</b>	<b>13.85</b>	<b>13.76</b>	<b>14.21</b>	<b>13.59</b>	<b>13.89</b>
Repair of Personal Household Goods	3.09	3.03	2.57	2.68	3.03	3.37	3.26	3.32	3.16	3.27
Distribution of Fuel and Fuel Products	1.36	1.56	1.67	2.10	2.62	2.27	2.26	2.42	2.36	2.42
Wholesale/Retail of other Goods	7.81	7.30	6.63	7.44	7.46	8.21	8.24	8.47	8.06	8.19
<b>Hotels and Restaurants</b>	<b>1.95</b>	<b>1.93</b>	<b>2.02</b>	<b>1.95</b>	<b>1.84</b>	<b>1.78</b>	<b>1.78</b>	<b>1.88</b>	<b>1.89</b>	<b>1.98</b>
Accommodation	1.06	1.09	1.05	0.96	0.91	0.78	0.77	0.85	0.85	0.91
Restaurants	0.89	0.84	0.97	0.98	0.93	1.00	1.01	1.04	1.04	1.08
<b>Transport, Storage &amp; Communications</b>	<b>12.93</b>	<b>14.46</b>	<b>15.00</b>	<b>15.59</b>	<b>15.66</b>	<b>14.83</b>	<b>14.41</b>	<b>14.31</b>	<b>14.34</b>	<b>14.18</b>
Road Transport	4.42	5.20	5.34	5.50	5.47	5.60	5.63	5.53	5.77	5.86
Sea Transport	1.02	1.08	1.20	1.34	1.37	1.08	1.01	1.10	0.98	1.06
Air Transport	0.11	0.12	0.10	0.18	0.19	0.16	0.16	0.16	0.16	0.16
Auxiliary Transport Activities & Storage	1.41	1.53	1.65	1.84	1.89	1.52	1.26	1.33	1.34	1.43
Communications	5.97	6.53	6.70	6.73	6.75	6.46	6.35	6.19	6.09	5.66
<b>Financial Intermediation</b>	<b>6.42</b>	<b>6.84</b>	<b>6.99</b>	<b>7.60</b>	<b>7.32</b>	<b>7.42</b>	<b>7.58</b>	<b>7.59</b>	<b>7.26</b>	<b>6.77</b>
Banks	4.98	5.30	5.39	6.05	5.82	5.88	6.01	6.04	5.71	5.22
Auxiliary Financial Intermediation	0.15	0.13	0.14	0.13	0.11	0.10	0.12	0.12	0.12	0.12
Insurance	1.29	1.40	1.46	1.42	1.39	1.44	1.44	1.43	1.42	1.43
<b>Real Estate, Renting &amp; Business Activities</b>	<b>10.98</b>	<b>11.24</b>	<b>10.69</b>	<b>10.41</b>	<b>9.87</b>	<b>10.21</b>	<b>10.17</b>	<b>10.07</b>	<b>10.17</b>	<b>10.26</b>
Owner-Occupied Dwellings	7.63	7.78	7.52	7.27	6.80	6.90	6.88	6.82	6.89	6.96
Real Estate	2.04	2.08	2.01	1.95	1.82	1.85	1.84	1.83	1.84	1.86
Renting of Machinery & Equipment	0.33	0.29	0.26	0.30	0.34	0.42	0.37	0.34	0.35	0.35
Computer & Related Services	0.14	0.14	0.14	0.15	0.13	0.14	0.14	0.14	0.14	0.14
Business Services	0.85	0.95	0.76	0.75	0.77	0.91	0.94	0.95	0.95	0.96
<b>Public Administration, Defence &amp; Social Security</b>	<b>9.00</b>	<b>8.63</b>	<b>8.46</b>	<b>8.28</b>	<b>7.51</b>	<b>8.00</b>	<b>8.13</b>	<b>8.51</b>	<b>8.52</b>	<b>8.73</b>
<b>Education</b>	<b>15.29</b>	<b>13.10</b>	<b>14.31</b>	<b>12.89</b>	<b>12.83</b>	<b>12.97</b>	<b>13.56</b>	<b>12.30</b>	<b>12.73</b>	<b>12.89</b>
Public	4.48	4.31	3.93	3.97	3.72	3.74	3.86	3.54	3.60	3.53
Private	10.80	8.79	10.38	8.93	9.11	9.22	9.70	8.76	9.13	9.36
<b>Health &amp; Social Work</b>	<b>3.72</b>	<b>3.64</b>	<b>3.47</b>	<b>3.42</b>	<b>3.26</b>	<b>3.40</b>	<b>3.59</b>	<b>3.57</b>	<b>3.71</b>	<b>3.79</b>
Public	3.19	3.08	2.96	2.94	2.81	2.93	3.06	3.12	3.25	3.32
Private	0.53	0.56	0.51	0.48	0.45	0.47	0.52	0.45	0.46	0.47
<b>Other Community/Social/Personal Services</b>	<b>1.14</b>	<b>1.14</b>	<b>1.15</b>	<b>1.13</b>	<b>1.02</b>	<b>1.03</b>	<b>1.03</b>	<b>1.03</b>	<b>1.03</b>	<b>1.00</b>
Public	0.11	0.13	0.14	0.12	0.11	0.12	0.12	0.11	0.11	0.11
Private	1.03	1.02	1.00	1.01	0.91	0.92	0.92	0.91	0.92	0.89
<b>Private Households with Employed Persons</b>	<b>0.25</b>	<b>0.29</b>	<b>0.32</b>	<b>0.32</b>	<b>0.30</b>	<b>0.30</b>	<b>0.32</b>	<b>0.34</b>	<b>0.34</b>	<b>0.35</b>
Less FISIM	0.93	0.92	0.89	0.84	0.81	1.22	1.29	1.32	1.58	1.39
<b>GROSS VALUE ADDED at Basic Prices</b>	<b>100</b>									

Source: Central Statistics Office

**Dominica Environment Statistics 2013 - Socio-economic Background**

**Table 1.9c Percentage Contribution of Gross Value Added by Economic Activity,  
Current Prices 2004 – 2013**

ECONOMIC ACTIVITY	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013P
<b>Agriculture, Livestock &amp; Forestry</b>	<b>12.30</b>	<b>12.90</b>	<b>11.80</b>	<b>11.84</b>	<b>13.53</b>	<b>14.52</b>	<b>13.64</b>	<b>14.37</b>	<b>16.36</b>	<b>16.69</b>
<b>Crops:</b>	<b>10.85</b>	<b>11.50</b>	<b>10.33</b>	<b>9.97</b>	<b>12.05</b>	<b>13.13</b>	<b>12.22</b>	<b>13.09</b>	<b>15.13</b>	<b>15.11</b>
Bananas	2.10	1.81	2.02	1.01	1.78	1.49	1.30	1.66	1.39	0.94
Other Crops	8.75	9.69	8.31	8.96	10.27	11.64	10.92	11.43	13.74	14.17
Livestock	1.09	1.02	1.09	1.51	1.15	1.08	1.10	0.98	0.93	1.28
Forestry	0.36	0.38	0.38	0.36	0.33	0.31	0.32	0.30	0.29	0.29
<b>Fishing</b>	<b>0.47</b>	<b>0.42</b>	<b>0.45</b>	<b>0.60</b>	<b>0.17</b>	<b>0.35</b>	<b>0.30</b>	<b>0.37</b>	<b>0.34</b>	<b>0.32</b>
<b>Mining and Quarrying</b>	<b>1.28</b>	<b>1.11</b>	<b>1.27</b>	<b>1.48</b>	<b>1.65</b>	<b>1.38</b>	<b>1.50</b>	<b>1.66</b>	<b>1.64</b>	<b>1.89</b>
<b>Manufacturing</b>	<b>5.27</b>	<b>4.63</b>	<b>4.83</b>	<b>4.14</b>	<b>2.79</b>	<b>2.75</b>	<b>2.87</b>	<b>3.13</b>	<b>3.28</b>	<b>3.41</b>
<b>Electricity and Water Supply</b>	<b>4.82</b>	<b>5.11</b>	<b>5.08</b>	<b>5.34</b>	<b>4.68</b>	<b>4.28</b>	<b>4.73</b>	<b>4.99</b>	<b>4.82</b>	<b>4.69</b>
Electricity	3.69	3.98	4.01	3.76	3.61	3.32	3.69	3.88	3.84	3.75
Water	1.13	1.13	1.07	1.58	1.07	0.96	1.04	1.11	0.98	0.94
<b>Construction</b>	<b>3.77</b>	<b>4.25</b>	<b>4.17</b>	<b>5.02</b>	<b>5.95</b>	<b>5.05</b>	<b>5.47</b>	<b>5.36</b>	<b>4.69</b>	<b>3.90</b>
<b>Wholesale &amp; Retail Trade</b>	<b>11.74</b>	<b>11.86</b>	<b>10.87</b>	<b>11.72</b>	<b>13.64</b>	<b>13.61</b>	<b>14.50</b>	<b>14.22</b>	<b>13.49</b>	<b>13.13</b>
Repair of Personal Household Goods	2.96	3.03	2.57	2.57	3.15	3.31	3.44	3.32	3.14	3.09
Distribution of Fuel and Fuel Products	1.30	1.55	1.67	2.01	2.72	2.23	2.38	2.42	2.35	2.29
Wholesale/Retail of other Goods	7.48	7.29	6.63	7.14	7.76	8.07	8.69	8.47	8.00	7.75
<b>Hotels and Restaurants</b>	<b>2.02</b>	<b>1.77</b>	<b>2.02</b>	<b>1.95</b>	<b>1.84</b>	<b>1.79</b>	<b>1.94</b>	<b>2.02</b>	<b>2.01</b>	<b>2.08</b>
Accommodation	1.09	1.15	1.05	0.99	0.93	0.87	0.94	1.02	1.01	1.05
Restaurants	0.93	0.61	0.97	0.96	0.92	0.92	1.00	1.00	1.00	1.04
<b>Transport, Storage &amp; Communications</b>	<b>13.36</b>	<b>14.13</b>	<b>15.00</b>	<b>14.30</b>	<b>13.81</b>	<b>16.62</b>	<b>13.70</b>	<b>13.82</b>	<b>14.03</b>	<b>14.37</b>
Road Transport	4.93	5.31	5.34	4.95	4.64	7.01	5.74	5.59	5.48	5.48
Sea Transport	1.23	1.16	1.20	1.06	1.18	1.18	1.02	1.06	0.95	0.90
Air Transport	0.08	0.09	0.10	0.10	0.11	0.11	0.10	0.09	0.09	0.09
Auxiliary Transport Activities & Storage	1.87	1.71	1.65	1.86	1.97	1.82	1.66	1.65	1.79	1.87
Communications	5.25	5.86	6.70	6.34	5.90	6.50	5.19	5.42	5.72	6.02
<b>Financial Intermediation</b>	<b>6.81</b>	<b>6.78</b>	<b>6.99</b>	<b>7.91</b>	<b>7.52</b>	<b>6.92</b>	<b>6.68</b>	<b>6.74</b>	<b>6.45</b>	<b>5.75</b>
Banks	5.46	5.43	5.39	5.94	5.81	5.43	5.15	5.21	4.93	4.28
Auxiliary Financial Intermediation	0.14	0.16	0.14	0.14	0.12	0.10	0.10	0.22	0.26	0.21
Insurance	1.21	1.18	1.46	1.83	1.59	1.39	1.43	1.32	1.27	1.26
<b>Real Estate, Renting &amp; Business Activities</b>	<b>11.07</b>	<b>11.49</b>	<b>10.69</b>	<b>10.24</b>	<b>9.64</b>	<b>9.27</b>	<b>9.47</b>	<b>9.09</b>	<b>8.91</b>	<b>8.86</b>
Owner-Occupied Dwellings	7.73	7.96	7.52	7.14	6.58	6.20	6.33	6.08	5.95	5.92
Real Estate	2.07	2.13	2.01	1.91	1.76	1.66	1.69	1.63	1.59	1.58
Renting of Machinery & Equipment	0.32	0.31	0.26	0.29	0.33	0.37	0.32	0.28	0.29	0.29
Computer & Related Services	0.13	0.14	0.14	0.15	0.14	0.14	0.14	0.14	0.13	0.13
Business Services	0.82	0.94	0.76	0.76	0.82	0.90	0.98	0.96	0.95	0.94
<b>Public Administration, Defence &amp; Social Security</b>	<b>8.46</b>	<b>8.59</b>	<b>8.46</b>	<b>8.28</b>	<b>7.52</b>	<b>7.46</b>	<b>7.78</b>	<b>8.12</b>	<b>7.88</b>	<b>8.58</b>
<b>Education</b>	<b>14.70</b>	<b>12.90</b>	<b>14.31</b>	<b>13.10</b>	<b>13.47</b>	<b>12.67</b>	<b>13.91</b>	<b>12.65</b>	<b>12.97</b>	<b>13.05</b>
Public	4.19	4.28	3.93	3.95	3.71	3.47	3.66	3.34	3.29	3.26
Private	10.51	8.62	10.38	9.15	9.76	9.20	10.24	9.31	9.68	9.78
<b>Health &amp; Social Work</b>	<b>3.49</b>	<b>3.60</b>	<b>3.47</b>	<b>3.41</b>	<b>3.25</b>	<b>3.17</b>	<b>3.42</b>	<b>3.38</b>	<b>3.40</b>	<b>3.50</b>
Public	2.97	3.06	2.96	2.92	2.79	2.71	2.91	2.94	2.97	3.06
Private	0.51	0.54	0.51	0.49	0.46	0.45	0.51	0.43	0.43	0.43
<b>Other Community/Social/Personal Services</b>	<b>1.22</b>	<b>1.14</b>	<b>1.15</b>	<b>1.15</b>	<b>1.06</b>	<b>1.00</b>	<b>1.06</b>	<b>1.04</b>	<b>1.02</b>	<b>0.94</b>
Public	0.17	0.09	0.14	0.12	0.12	0.11	0.12	0.12	0.12	0.13
Private	1.05	1.05	1.00	1.02	0.94	0.88	0.93	0.92	0.89	0.81
<b>Private Households with Employed Persons</b>	<b>0.24</b>	<b>0.29</b>	<b>0.32</b>	<b>0.31</b>	<b>0.29</b>	<b>0.27</b>	<b>0.28</b>	<b>0.28</b>	<b>0.27</b>	<b>0.27</b>
Less FISIM	1.00	0.98	0.89	0.79	0.80	1.12	1.25	1.23	1.56	1.43
<b>GROSS VALUE ADDED at Basic Prices</b>	<b>100</b>									

## CHAPTER 2 CLIMATE & AIR

**Table 2.1 Mean Annual Air Temperature, Relative Humidity and Rainfall  
2002 – 2013**

Year	Mean Annual Air Temperature (°C)		Total Rainfall (mm)	Average Relative Humidity %
	Maximum	Minimum		
2002	29.7	25.1	1,927	75
2003	29.6	24.6	2,100	71
2004	29.6	24.4	2,692	72
2005	30.6	24.1	1,949	72
2006	30.8	23.2	1,741	70
2007	30.7	23.4	1,924	69
2008	29.9	23.3	1,972	68
2009	30.4	23.4	2,075	68
2010	31.0	23.3	2,450	69
2011	30.8	23.3	3,199	71
2012	30.8	23.6	1,717	69
2013	30.7	23.4	2,543	71

Source: Meteorological Office, Canefield and Melville Hall Airport

**Table 2.1a. Mean Annual Air Temperature, Relative Humidity and Rainfall  
2002 - 2013  
Melville Hall Airport**

Year	Mean Annual Air Temperature (°C)		Total Rainfall (mm)	Average Relative Humidity %
	Maximum	Minimum		
2002	29.2	25.0	2,378	76
2003	29.1	24.3	2,586	75
2004	29.7	24.2	3,337	75
2005	30.4	23.9	2,338	76
2006	30.3	23.7	2,172	76
2007	30.1	23.7	2,176	74
2008	29.5	23.5	2,430	72
2009	29.9	23.7	2,591	74
2010	33.6	23.6	3,037	73
2011	30.2	23.4	3,938	75
2012	30.3	23.8	1,986	74
2013	30.3	23.6	2,867	75

**Table 2.1b Mean Annual Air Temperature, Relative Humidity and Rainfall  
2002 - 2013**  
**Canefield Airport**

Year	Mean Annual Air Temperature (°C)		Total Rainfall (mm)	Average Relative Humidity %
	Maximum	Minimum		
2002	30.2	25.2	1,476	75
2003	30.2	24.9	1,615	67
2004	29.6	24.6	2,047	69
2005	30.8	24.3	1,559	68
2006	31.4	22.7	1,311	63
2007	31.3	23.1	1,672	63
2008	30.3	23.0	1,513	64
2009	30.9	23.0	1,559	62
2010	28.4	23.1	1,868	64
2011	30.8	23.1	2,459	67
2012	31.3	23.3	1,448	64
2013	31.1	23.2	2,219	67

Source: Meteorological Office, Canefield Airport

**Table 2.1c. Sunshine Duration Hours  
2002 - 2012**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
<b>2002</b>	193.0	189.3	252.5	214.5	225.9	251.1	228.0	273.0	230.6	243.5	222.5	235.1	229.9
<b>2003</b>	237.1	219.6	281.2	259.7	264.2	187.5	216.9	172.0*	126.7	218.9	169.2	217.5	...
<b>2004</b>	206.1	221.8	204.4	269.9	178.2	228.3	229.8	292.7	238.0	195.0	131.0	197.9	216.1
<b>2005</b>	191.0	165.0	261.8	278.8	235.0	210.3	245.7	287.1	247.8	201.8	197.8	217.1	228.3
<b>2006</b>	**148.5	**93.4	251.7	**204.4	276.5	**70.4	...	**188.0	256.6	227.0	241.1	190.1	...
<b>2007</b>	217.8	227.8	237.6	251.7	316.7	271.9	256.2	234.9	244.4	207.0	228.3	226.7	243.4
<b>2008</b>	215.0	213.6	212.9	239.8	289.2	258.4	255.2	248.1	194.6	210.1	201.1	74.5	217.7
<b>2009</b>	...	...	...	...	...	...	...	...	...	...	*96.3	235.8	...
<b>2010</b>	234.4	259.7	270.7	191.5	237.2	244.4	235.0	247.8	216.2	215.4	157.5	182.9	224.4
<b>2011</b>	189.8	210.8	217.5	208.8	167.6	233.3	224.1	216.2	224.8	231.7	197.8	153.7	206.3
<b>2012</b>	261.5	235.9	221.0	253.3	185.7	271.2	245.9	208.5	265.4	227.3	245.0	180.5	233.4

Source: Meteorological Office, Melville Hall Airport

Note: \*Monthly data reflects 19days (August 2003)

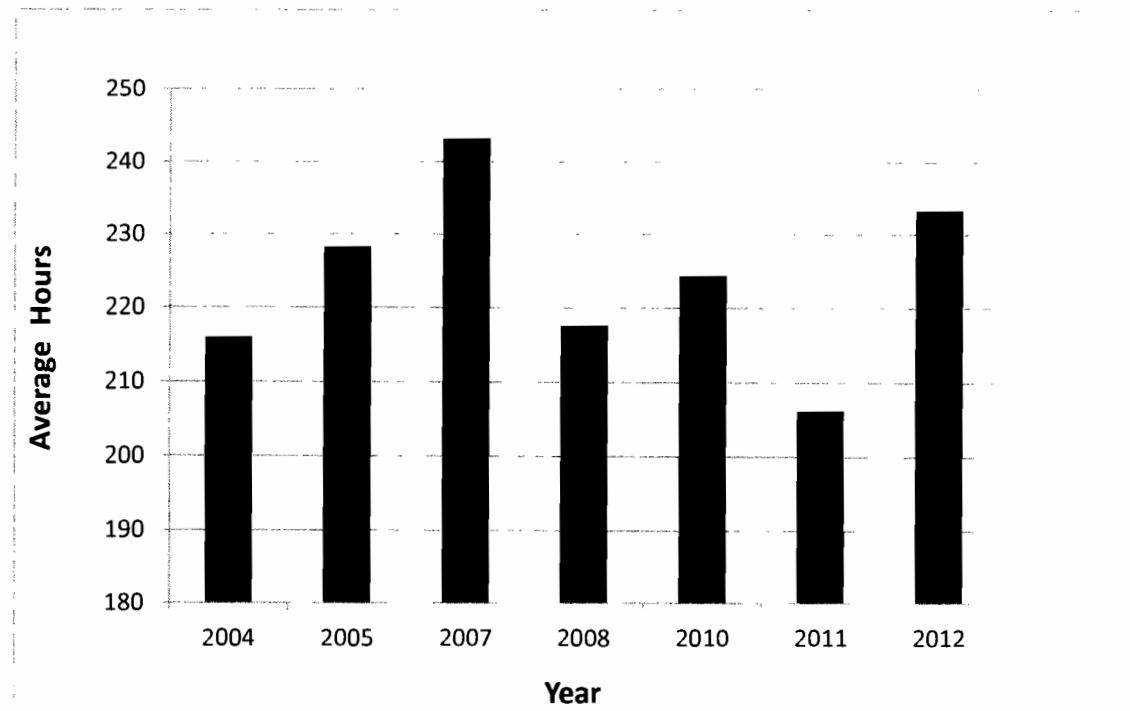
\*\*For 2006, data reflects the following number of days: Jan: 22, Feb: 11, April: 20, June: 07 and August: 21

\*\*\*Only 12 days were recorded for the month of November 2009

... Not available

No Record for 2013

**Chart 3 Average Sunshine Hours  
2004, 2005, 2007, 2008, 2010 - 2012**



**Table 2.2 Imports of Ozone Depleting Substances (ODS)  
2008 - 2013**

Ozone Depleting Substances (kg)	2008	2009	2010	2011	2012	2013
CFC 12	1,548	352	279	2,455	4,640	178
HCFC 22	1,369	906	0	0	40	0
CFC115 (0.8 x R502)	51	74	0	117	170	2,698

Source: Central Statistics Office

**Table 2.3 Percentage Change in ODS Imports 2008-2013**

Total ODS (kg)	2008	2009	2010	2011	2012	2013	% Change	
							2012	2008
	2,968	1,332	279	2,572	4,850	2,876	-40.7	-3.1

Source: Central Statistics Office

**Table 2.4 Emissions from Industrial Processes 2000 - 2005**

Emissions (gg)	2000	2001	2002	2003	2004	2005
NMVOCs	0.342	2.473	1.34	1.039	2.033	1.061
HFCs	0.00461	0.005	0.00170	0.0019	0.00275	0.003

Source: National Inventory of GreenHouse for the Commonwealth of Dominica,  
Environmental Coordinating Unit

Note: gg - giga grams

**Table 2.5 Consumption of ODS 2002 - 2003**

CFC11		CFC12		HFC22		CFC115 (0.8xR502)	
2002	2003	2002	2003	2002	2003	2002	2003
10	..	2,600	1,420	2,160	2,120	10	30

Source: Environmental Coordinating Unit, and Ministry of Agriculture and Environment

Note: The Environmental Coordinating Unit continues to undertake the preparation of Dominica's Second National Communication on Climate Change

**Table 2.6 Summary of Energy Sector CO<sub>2</sub> Emissions (Gg)  
2000 - 2005**

	2000	2001	2002	2003	2004	2005
A Fuel Combustion (Sectoral Approach)	105.8	117.9	113.3	111.1	110.9	119.1
1. Energy Industries	34.9	40.3	33.1	36.1	34.1	41.8
2. Manufacturing Industries & Construction	9.1	10.1	10.5	13.2	11.6	11.0
3. Transport	47.1	53.7	55.4	46.8	42.9	46.8
4. Other Sectors	14.7	13.8	14.3	15.0	22.3	19.5
a. Commercial/Institutional	10.0	9.4	9.9	10.7	18.4	15.4
b. Residential	4.1	3.7	3.6	3.4	3.1	3.3
c. Agriculture/Forestry/Fishing	0.6	0.7	0.8	0.9	0.8	0.8

Source: National Inventory of Greenhouse Gases, Environmental Control Unit

Note: gg - giga grams

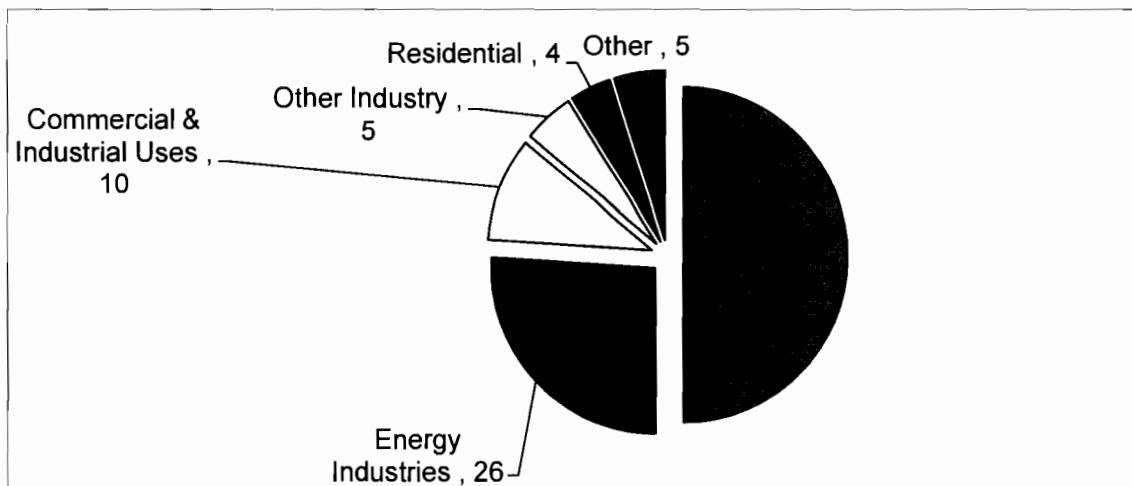
**Table 2.7 Percentage Distribution of Carbon Dioxide Emissions by Sector 1994**

Sources of Emission	% Distribution
Transport	50
Energy Industries	26
Commercial & Industrial Uses	10
Other Industry	5
Residential	4
Other	5
<b>TOTAL</b>	<b>100</b>

Source: Environmental Coordinating Unit

**Note:** The Environmental Coordinating Unit is undertaking the preparation of Dominica's Second National Communication on Climate Change

**Chart 4: Percentage Emissions of Carbon Dioxide by Sector 1994**



*Dominican Environment Strategy and Climate Action Plan*

**Table 2.8 Emissions of CO<sub>2</sub> by Fuel Combustion Categories  
1994 - 1996**

Fuel	Carbon Dioxide Emissions (gg)	% Contribution
Gasoline	33.99	45.1
Other Kerosene	1.02	1.35
Gas/Diesel Oil	28.59	37.96
Residual Fuel Oil	2.2	2.92
LPG	5.33	7.08
Naptha	3.43	4.56
Lubricants	0.49	0.65
Other Oil	0.25	0.33

Source: Initial National Communication, Environmental Coordinating Unit  
Ministry of Agriculture and the Environment

Note: The Environmental Coordinating Unit is undertaking the preparation of Dominica's  
Second National Communication on Climate Change

**Table 2.9 Non CO<sub>2</sub> Emissions 2000 - 2005**

Year	CH4	N <sub>2</sub> O	NO <sub>x</sub>	CO	NM VOC	SO <sub>2</sub>	HFCs
2000	1.05	0.117	0.578	5.46	0.995	0.177	0.005
2001	1.33	0.109	0.729	8.50	1.31	0.213	0.005
2002	1.00	0.100	0.645	5.87	1.24	0.190	0.002
2003	1.33	0.109	0.667	7.79	1.03	0.202	0.002
2004	1.33	0.077	0.630	7.40	1.06	0.186	0.003
2005	1.04	0.097	0.613	5.22	1.02	0.218	0.003

Source: National Inventory of Greenhouse Gases for the Commonwealth of Dominica, Environmental Coordinating Unit

**Table 2.10 Energy Demand and Consumption 2000-2005**

('000 Bbls)

Product/Year	2000	2001	2002	2003	2005
Aviation Gasoline	0.2	0.4	0.4	0.0	0.0
Turbo Fuel	4.7	4.6	5.9	4.6	0.0
Unleaded Gasoline	119.9	132.1	137.4	115.4	113.2
Fuel Oil (Bunkers)	13.8	10.5	10.9	12.2	0.0
Kerosene	2.0	1.2	0.0	0.2	2.7
Diesel/Gas Oil	115.6	128.9	134.1	157.8	152.7
L.P.G.	27.6	24.5	25.5	25.6	27.4
Other	...	...	...	...	2.3
Totals	283.8	302.1	314.2	315.8	298.4

Source: Caribbean Energy Information Services (CEIS), 2006

Note: 0.0 indicates the nearest decimal and therefore records a value

## CHAPTER 3 LAND USE AND AGRICULTURE

Table 3.1 Number of Farms 1958, 1961, 1976, 1983 and 1995

Farm Size (Acres)	1958		1961		1976		1983		1995 (adjusted)	
	Number of Farms	Acres '000								
Landless	*	*	442	0	*		*		824	
0.01 – 4.9	6,864	10.3	6,405	10.1	5,957	9.0	6,540	14.0	6,696	13.7
5.0 – 49.9	1,748	18.9	2,087	20.3	1,814	18.9	1,728	19.7	2,448	24.1
50.0 – 99.9	95	6.3	78	5.1	67	3.8	74	6.4	61	4.0
100+	85	38.4	97	40.8	84	39.7	22	2.9	71	16.2
<b>Total</b>	<b>8,792</b>	<b>73.9</b>	<b>9,109</b>	<b>76.3</b>	<b>7,922</b>	<b>71.4</b>	<b>8,364</b>	<b>43.0</b>	<b>10,100</b>	<b>58.0</b>

Source: Ministry of Agriculture: 1961, 1976, 1995 Agricultural Census

\*Information added to interval 0.01 - 4.9

Landless: Farms with a size less than 0.01 acres

**Table 3.1a Registered Farmers By Parish and Size of Farms - 2001**

PARISH	SIZE OF FARMS (acres)											Total	
	>1	1-5	5.10-10.0	10.01-25.0	25.01-50.0	50.01-75.0	75.01-100.0	100.01-200.0	200.01-300.0	300.01-499.0	500+		
St. George	34	41	8	8	2	....	....	....	....	2	....	39	137
Rest of St. George	99	96	12	11	2	....	....	....	....	....	....	54	275
St. John	....	167	13	9	3	....	....	....	2	....	....	71	269
St. Peter	3	43	10	7	2	....	....	....	....	....	....	8	74
St. Joseph	28	293	79	38	7	....	....	....	....	....	....	23	470
St. Paul	44	206	47	17	5	2	....	60	....	....	....	14	395
St. Luke	....	21	4	....	....	....	....	2	....	....	....	5	35
St. Mark	....	18	5	4	....	....	....	....	....	....	....	43	75
St. Patrick	138	401	24	4	2	....	....	....	....	....	....	279	851
St. David	95	818	87	28	3	....	....	....	....	....	....	78	1,110
St. Andrew	199	758	148	31	3	....	....	....	....	....	2	183	1,325
<b>TOTAL</b>	<b>640</b>	<b>2,862</b>	<b>437</b>	<b>157</b>	<b>29</b>	<b>2</b>	<b>0</b>	<b>62</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>797</b>	<b>5016</b>

Source: Visitation Records, 2001 Population and Housing Census

Note: (....) Anonymity if one farmer is recorded in any parish he/she was not listed but added to the total

**Table 3.1b. Number of Registered Farmers By Type of Stock and Parish  
2001**

<i><b>Parish</b></i>	<i><b>Type of Stock</b></i>				
	<i><b>Poultry</b></i>	<i><b>Cattle</b></i>	<i><b>Sheep/Goats</b></i>	<i><b>Pigs</b></i>	<i><b>Other</b></i>
St. George	19	6	19	5	2
Rest of St. George	37	27	33	24	3
St. John	21	29	43	12	-
St. Peter	4	3	14	5	-
St. Joseph	28	17	46	13	-
St. Paul	31	25	46	21	-
St. Luke	3	---	3	2	-
St. Mark	2	2	4	2	-
St. Patrick	97	104	124	85	2
St. David	113	59	176	119	-
St. Andrew	126	166	292	109	23
<b>Total</b>	<b>481</b>	<b>438</b>	<b>800</b>	<b>397</b>	<b>30</b>

Source: National Farm Register, 2001

Note: Anonymity/nil(-) if one farmer is recorded in any parish he/she was not listed but added to the total  
Data refers to stock-rearing farmers who may also be involved in agriculture

**Table 3.2 Actual Land Use in 1961 & 1995 Agricultural Censuses**

Census Year	Total Acreage	Cultivated	%	Forest	%	Other	%	% Total
	Under Farms ('000 acres)	('000 acres)		('000 acres)		(('000 acres))		
1995 Not Adjusted	52.2	32.2	61.7	14.8	28.3	5.2	10.0	100.0
1995 Adjusted	58.0	35.8	61.7	16.4	28.3	5.8	10.0	100.0
	76.2	33.7	44.2	37.1	48.7	5.4	7.1	100.0

Source: Ministry of Agriculture 1961 & 1995 Agricultural Censuses

**Table 3.3 Use of Fertilizers and Agro-Chemicals  
on Farms during the Census Year  
By Size of Farm 1995**

Size of Farm (Acres)	Organic Manure Fertilizers	Inorganic Fertilizers	Agro-Chemicals
0.01-0.99	580	1,105	880
1.00-4.99	1,130	3,625	3,445
5.00-9.99	277	1,189	1,148
10.00-24.99	157	577	563
25.00-49.99	19	71	63
50.00-99.99	22	41	33
100.00-199.99	12	26	25
200.00-499.99	11	16	15
500.00 and more	3	5	3
<b>Total</b>	<b>2,211</b>	<b>6,655</b>	<b>6,175</b>

Source: Ministry of Agriculture 1995 Agricultural Census

**Table 3.4 Livestock Production Number and Weight Inspected  
2008 - 2012**

DISTRICT	July 2008 - June 2009				July 2010-June 2011								July 2011 - June 2012							
	carcass-cattle		carcass-pig		carcass-cattle		carcass-pig		Goat/Sheep		Poultry		carcass-cattle		carcass-pig		goat/sheep		poultry	
	No	lbs	No	lbs	No	lbs	No	lbs	No	lbs	No	lbs	No	lbs	No	lbs	No	lbs	No	lbs
Roseau Market	36	18,230	102	9,265	36	14,190	91	7,241	0	0	...	500	54	14,688	100	8,872	0	0	0	0
Grand Bay	56	24,798	107	8,830	94	41,052	220	16,285	28	885	390	1,800	175	70,825	415	39,363	72	2,221	1530	6,020
Marigot	27	8,955	18	2,319	15	8,425	11	2,425	0	0	0	0	14	8,335	7	1,675	0	0	0	0
Wesley	44	17,600	84	5,940	35	14,113	187	23,616	2	120	30	200	13	7,085	15	3,147	0	0	0	0
Portsmouth	25	7,253	39	4,517	40	14,671	55	5,638	0	0	0	0	54	29,222	75	9,131	0	0	0	0
Vieille Case	13	4,063	3	296	6	2,620	1	220	0	0	0	0	1	425	0	0	0	0	175	925
Castle Bruce	21	8,460	11	1,909	16	7,868	20	2,626	0	0	0	0	8	3,057	0	0	0	0	0	0
La Plaine	....	...	....	44	18,481	114	7,410	0	0	0	0	51	18,318	221	25,044	0	0	0	0	
St. Joseph	3	1,510	116	7,554	5	3,185	103	7,897	3	136	0	0	8	6,675	66	7,364	2	120	0	0
<b>TOTAL*</b>	<b>225</b>	<b>90,869</b>	<b>480</b>	<b>40,630</b>	<b>291</b>	<b>124,605</b>	<b>802</b>	<b>73,358</b>	<b>33</b>	<b>1,141</b>	<b>...</b>	<b>2,500</b>	<b>378</b>	<b>158,630</b>	<b>899</b>	<b>94,596</b>	<b>74</b>	<b>2,341</b>	<b>1705</b>	<b>6,945</b>

Source: Environmental Health Unit

Note: \*There were fewer inspections from July 2008

totals based on available data only

No records for July 2009 to June 2010

**Table 3.4a. Eggs Production 2007 - 2013**

Year	Production (dozens)
2007	1, 799, 219
2008	1, 527, 288
2009	1, 523,699
2010	1, 546, 554
2011	1, 314, 571
2012	1, 511, 757
2013	1, 868, 005

Source: Central Statistics Office

Note: Revised data for 2011; egg production in 2011 declined following reduction in imports of chicks for rearing.

**Table 3.5 Imports of Pesticides  
2004 - 2013**

(tonnes)

Type	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Insecticide	64	99	80	99	98	82	34	107	73	83
Fungicide	2	3	10	6	12	5	1	4	2	3
Herbicide	91	74	187	60	51	70	24	61	52	80
Rodenticide	11	12	15	17	20	29	17	54	33	31

Source: Central Statistics Office

Note: Quantity in tonnes

Data revised

**Table 3.6 Number of Licenses Issued for the Importation of Pesticides  
2004 - 2012**

Type	2004	2005	2006	2007	2008	2009	2010	2011	2012
Insecticide	34	28	34	40	37	39	39	56	40
Fungicide	14	7	19	22	24	9	18	22	17
Nematicide	6	4	5	4	7	8	11	5	4
Molluscicide	6	9	16	8	23	17	11	19	12
Pheromone	0	0	1	1	1	0	1	1	1
Spreader Sticker	0	1	4	7	4	3	3	2	0
Buffer	0	0	1	0	1	1	0	...	...
<b>Total</b>	<b>60</b>	<b>49</b>	<b>80</b>	<b>82</b>	<b>97</b>	<b>77</b>	<b>83</b>	<b>105</b>	<b>74</b>

Source: Pesticide Control Board, Ministry of Agriculture

**Table 3.7 Imports of Fertilizers by Type  
2004 - 2013**

(tonnes)

TYPE	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Nitrogenous fertilizers	69	24	22	26	27	28	1	52	4	36
Phosphate fertilizers	0	0.1	0.7	0	0	0	0	0	0	0
Potash fertilizers	0	0.1	0	0	0	0	0	0	0	0

Source: Central Statistics Office

Note: Quantity in tonnes

Data revised

## CHAPTER 4 BIODIVERSITY

**Table 4.1 National Parks and Forest Reserves  
By Area and Year Established**

Park and Forest	Year Established	Area in Acres	% of Land Area
<b>Park</b>			
Morne Trois Piton National Park and World Heritage Site	1975	16,984	9.16
Cabrits National Park	1986	260	0.14
Morne Diablotin National Park	2000	8,242	4.45
<b>Forest</b>			
Central Forest Reserve	1952	1,013	0.55
Northern Forest Reserve	1977	13,730	7.41
<b>TOTAL</b>		<b>40,229</b>	<b>21.71</b>

Source: Forestry and Wildlife Division, Ministry of Agriculture, (2013 Update).

**Table 4.2 Estimated Number of Endangered or Threatened Species  
2011 and 2013**

Species	2011		2013	
	Number of Native Species	Number of Endangered or Threatened Species	Number of Native Species	Number of Endangered or Threatened
Birds	59	2	189	2
Mammals	15	0	18	0
Lizards	10	0	8	0
Amphibians (Frogs)	3	1	3	1
Crustaceans	31	0	32	0
FreshWater Fish	10	0	45	0

Source: Forestry and Wildlife Division, Ministry of Agriculture

**Comments:**

The mountain chicken, a large amphibian now endemic only to Dominica, has been the most recent entry on the endangered species list. This occurred when there were sudden sightings of dead amphibians on the island. The main cause was an outbreak of a fungal disease called Chytridiomycosis (a disease that affects the skin of amphibians). A ban was immediately implemented on the hunting of the amphibians from 2004.

The Sisserou Parrot, (the national bird of Dominica), and the Jaco Parrot remain the two threatened bird species. The iguana is the only threatened lizard species. The Sisserou still on Endangered Species list.

**Table 4.3 Number of Licenses Issued by Type 2008 - 2013**

Licenses	2008	2009	2010	2011	2012	2013
Hunting	182	239	216	218	480	227
Fishing	129	200	156	117	198	139

Source: Forestry and Wildlife Division, Ministry of Agriculture

Note: Data for Removal Permit (that is travelling out of state with wildlife) and Timber Cutting Licence are not available.

2008 Data Revised.

## CHAPTER 5 COASTAL AND MARINE RESOURCES

**Table 5.1 Fish Landed 2002 - 2013**

Year	Quantity '000kg
2002	782.2
2003	662.4
2004	505.8
2005	524.3
2006	649.6
2007	817.4
2008	730.6
2009	684.9
2010	559.7
2011	665.4
2012	561.0
2013	539.8

Source: Fisheries Division, Ministry of Agriculture

**Table 5.2 Registration Details - Fishers for Years 2008 - 2012**

Status	2008			2009			2010			2011			2012		
	Male	Female	Total												
Full-Time	617	3	620	622	3	625	582	3	585	539	5	544	551	2	553
Part-Time	847	9	856	847	9	856	825	9	834	648	8	656	721	17	738
Unspecified	121	1	122	122	1	123	121	1	122	0	0	0	92	0	92
Investor Only	0	0	0	4	1	5	3	0	3	...	...	...	...	...	...
<b>Total</b>	<b>1585</b>	<b>13</b>	<b>1598</b>	<b>1595</b>	<b>14</b>	<b>1609</b>	<b>1531</b>	<b>13</b>	<b>1544</b>	<b>1187</b>	<b>13</b>	<b>1200</b>	<b>1364</b>	<b>19</b>	<b>1383</b>

Source: Fisheries Division, Ministry of Agriculture

**Table 5.3 Number of Shrimp and Prawn Farms  
1995 - 2013**

Location	1995-1999	2000-2003	2004-2007	2008	2009	2010	2011	2012	2013
Belfast	1	1	1	0	0	0	0	0	0
Canefield	1	1	1	1	1	1	1	1	1
Marigot	1	0	0	0	1	1	1	1	1
Harten Garden	1	1	1	1	0	0	0	0	0
Castle Bruce	1	0	0	0	0	0	0	0	0
Stowe	1	1	1	1	1	0	0	0	0
Layou Valley	1	1	0	0	0	0	0	0	0
Portsmouth	0	1	1	1	1	1	1	1	1
Jimmit	0	0	0	0	1	1	0	0	0
<b>Total</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>3</b>

Source: Fisheries Division, Ministry of Agriculture

Note: Jimmit Farm began operations in 2009, but no longer in operation

Harten Garden closed operations in 2009

**Table 5.4 Percentage of Fishers By Type of Training 2008**

Type of Training	Percentage
Safety-at-Sea	58.9
Knot-Making	48.7
First Aid	48.3
Fish Handling and Quality	43.8
Fishing Gear and Methods	43.4
Navigation	43.4
Use of FADs	37.7
Record Keeping	27.9
Outboard Engine Repair	26.4
Fish Processing	24.5
Small Business Management	20.4
Sustainable Use of Marine Resources	14.7

Source: Report of the Census of the Fisheries Industry, 2008

Note FADS: Fishing Aggregating Devices

**Table 5.5 Marine Reserves**

Reserve	Year Established	Area (Acres)
Cabrits National Park	1986	1,053
Soufriere/Scottshead Marine Reserve (SSMR)	1998	1,606.28
<b>Total</b>		<b>2,659.28</b>

Source: Forestry and Wildlife Division and Fisheries Division, Ministry of Agriculture, 2013 update

**Table 5.6 Type of Restrictions for Threatened and Protected Marine Species**

Species	Type of Season
Lobster	30th April - 1st September (Closed Season)
Turtles	1st June - 30th September (Closed Season)
Conch	Size of catch restricted

Source: Fisheries Division and the Ministry of Agriculture, 2013 update

**Comments:**

The period 1st June - 30th September (annually), is the official closed season for hunting turtles (table 5.5). Outside that period, the animals can be captured but only at sea. Land catch is prohibited since the turtles come ashore to mate or hatch. With reference to conchs, the catch size is restricted to 18cm in length.

**Table 5.7 Mangrove Area by Location and Number of Trees  
2001 - 2003 and 2007 - 2008**

<b>Location</b>	<b>Species of Mangrove</b>	<b>Number of Trees</b>				
		<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2007</b>	<b>2008</b>
Hampstead Bay, Marigot	White	24	24	24	11	11
Cabrits Swamp Portsmouth	White	69	69	69	...	...
Tou Ma Tante, Woodford Hill	Black	17	17	17	15	15
Eden-on-Sea, Wesley	Black	15	15	15	13	13
Nyah Estate, Grand Savanne	Black	9	9	9	...	...
Bibay, LaPlaine	Black	46	46	46	...	...
Bottom Wesley	Black	<13	<14	<15	...	...
Bout Sab, LaPlaine	Black	8	8	8	...	...

Source: Forestry and Wildlife Division, Ministry of Agriculture.

Note: Data for 2001 - 2003 for Eden-on-Sea, Wesley is revised

Data is not available for 2004 - 2006

The area/stand of mangroves has remained almost constant over the years. A new area, the Bout Sab in La Plaine, with 8 mature trees, has been recorded from 2000.

## CHAPTER 6 ENERGY

**Table 6.1 Electricity Generation, Sales and Consumers 2002–2013**

Description	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>Generation (1000 kWh)</b>												
Hydro	35,929	28,523	33,736	27,876	27,797	21,885	20,554	23,156	23,132	35,861	26,748	36,705
Diesel	44,203	48,404	45,493	55,779	57,619	64,497	66,944	69,565	76,033	64,571	74,807	63,987
<b>Total</b>	<b>80,132</b>	<b>76,927</b>	<b>79,229</b>	<b>83,655</b>	<b>85,416</b>	<b>86,382</b>	<b>87,498</b>	<b>92,721</b>	<b>99,165</b>	<b>100,432</b>	<b>101,672</b>	<b>100,692</b>
<b>Energy Purchased</b>	-	-	-	-	-	-	-	-	16	76	117	-
Diesel Fuel used in Generation (Imp. Gallon)	2,585,509	2,771,990	2,620,375	3,207,976	3,368,935	3,850,914	3,915,979	3,942,115	4,417,799	3,750,719	4,345,200	3,662,154
<b>Sales (1000 kWh)</b>												
Domestic	32,856	32,942	33,062	33,492	34,176	33,732	34,051	36,369	39,473	40,419	40,785	40,800
Commercial	22,758	21,669	24,017	24,993	26,469	28,788	30,278	32,280	35,537	37,858	38,692	37,631
Industrial	4,607	4,354	5,508	5,504	5,357	5,600	6,004	7,877	7,449	7,560	7,868	7,949
Hotel	2,839	2,473	2,704	2,649	2,439	2,002	2,028	2,339	2,769	1,654	1,071	1,192
General Lighting	9	2	1	1	0	1	0	0	0	0	0	0
Street Lighting	1,125	1,295	1,127	1,150	1,130	1,298	1,325	1,443	1,547	1,621	1,697	1,767
<b>Total</b>	<b>64,194</b>	<b>62,735</b>	<b>66,419</b>	<b>67,789</b>	<b>69,571</b>	<b>71,421</b>	<b>73,686</b>	<b>80,308</b>	<b>86,775</b>	<b>89,112</b>	<b>90,113</b>	<b>89,339</b>
<b>Consumers at Year End</b>												
Domestic	23,210	24,333	25,181	24,851	27,436	28,388	29,183	25,904	28,984	29,838	30,512	31,091
Commercial	2,992	2,828	3,328	3,536	3,896	4,132	4,287	3,567	3,907	4,027	3,962	4,084
Hotels	18	60	142	274	307	392	429	477	571	28	27	30
Industrial	33	35	39	39	38	27	30	30	28	29	31	40
Street Lighting	239	253	282	320	331	364	430	571	496	469	338	273
General Lighting	3	4	8	5	0	2	2	0	0	0	0	0
<b>Total</b>	<b>26,495</b>	<b>27,513</b>	<b>28,980</b>	<b>29,025</b>	<b>32,008</b>	<b>33,305</b>	<b>34,361</b>	<b>30,549</b>	<b>33,986</b>	<b>34,391</b>	<b>34,870</b>	<b>35,518</b>

Source: Dominica Electricity Services

Note: (1) The significant decline in general lighting from 2002 reflects the company's redistribution of general lighting to the commercial sector.

(2) The sharp increases of the number of Hotels Consumers from 2003 to 2010 represent continued installations of individual electricity consumption meters (Pay As You Go) particularly to accommodate foreign students renting apartments at Hotels and Cottages. The significant decline in 2011 is due to reclassification of the majority of these units into the Domestic Consumers category.

**Table 6.2 Per Capita Energy Use/day**  
**Electricity 2003 - 2013**

Year	Domestic Consumption '000kwh	Mean Population	Per Capita Use/day, kwh
2003	32,942	70,352	1.28
2004	33,062	70,417	1.29
2005	33,492	70,564	1.30
2006	34,176	70,692	1.32
2007	33,732	70,729	1.31
2008	34,051	70,726	1.32
2009	36,369	70,747	1.41
2010	39,473	70,730	1.53
2011	40,419	69,819	1.59
2012	40,785	68,967	1.62
2013	40,800	69,865	1.62

Source: Dominica Electricity Services Annual Report & Central Statistics Office

Note: Per Capita use = Domestic Consumption/Population/365\*1000

**Table 6.3 Fuel Imports 2004 - 2013**

FUEL TYPE	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Motor Spirit	17.00	18.00	14.89	20.20	17.41	18.51	1450.24	4303.04	3878.95	4669.46
Kerosene (illuminating)	0.00	0.00	0.00	0.22	0.04	0.00	0.00	0.01	0.01	0.03
Diesel	23.00	24.00	23.00	29.00	23.00	47.54	2866.97	8176.87	7165.26	10169.35

Source: Central Statistics Office

Note: '000m<sup>3</sup> - Thousand Cubic Metres

Note: From 2010 -2012 Significant increase in imports of Fuel

**Table 6.4 Imports of Selected Petroleum Products and Liquefied Gas**  
**2004 - 2013**

TYPE OF PRODUCTS	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Propane	1,785.79	1,890.12	1,842.37	1,874.05	2,063.90	2,603.76	1,326.65	2,896.77	2,734.20	2,719.88
Butane	154.72	413.75	332.51	381.34	181.20	54.34	0.06	0.13	0.11	34.08
Lubricating Oils	505.00	434.00	360.71	375.84	363.33	385.58	535.20	266.48	354.58	335.13
<b>TOTAL</b>	<b>2,445.51</b>	<b>2,737.87</b>	<b>2,535.59</b>	<b>2,631.23</b>	<b>2,608.43</b>	<b>3,043.68</b>	<b>1,861.91</b>	<b>3,163.38</b>	<b>3,088.89</b>	<b>3,089.09</b>

Source: Central Statistics Office

## CHAPTER 7 WATER

**Table 7.1 Potable Water Consumption and Distribution 2005–2014**

Distribution	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
<b>Domestic</b>										
Metered – number	14,335	15,351	17,706	17,706	18,626	19,131	19,283	20,011	20,741	21,527
Non-metered – number	3,189	3,307	2,898	2,898	2,859	2,696	2,667	2,573	2,477	2,359
Consumption ('000 gals)	465,883	473,600	487,646	526,731	571,498	603,876	592,883	584,808	586,971	631,159
<b>Industrial</b>										
Metered – number	...	77	71	95	96	114	95	100	99	97
Consumption ('000 gals)	22,243	18,920	23,050	26,688	24,257	...	15,104	9,398	8,874	13,515
<b>Commercial</b>										
Metered – number	1,073	1,177	1,397	1,570	1,780	1,865	1,997	2,123	2,093	2,130
Consumption ('000 gals)	86,831	90,506	112,128	103,720	110,598	137,336	131,815	143,796	145,268	143,053
<b>Government</b>										
Metered – number	312	327	342	358	389	410	377	384	381	347
Consumption ('000 gals)	125,557	116,349	107,932	110,945	132,344	124,689	126,817	132,810	115,006	138,885
<b>Standpipes – number</b>										
Consumption ('000 gals)	562	548	571	571	571	571	571	571	571	516
<b>Total Consumption</b>	<b>873,160</b>	<b>867,720</b>	<b>906,167</b>	<b>943,495</b>	<b>1,014,108</b>	<b>1,054,207</b>	<b>1,042,030</b>	<b>1,046,223</b>	<b>1,031,530</b>	<b>1,085,127</b>

Source: Dominica Water and Sewerage Company

.. not available

Note: (1) Total consumption for 2005 to 2006 is revised.

(2) Number of Industrial and commercial metered establishments are combined for 2005 (Commercial metered refers)

(3) Consumption for industrial and commercial establishment is combined for 2010 (Commercial Consumption refers)

(4) Sharp increase in number of metered commercial establishments from 2004 followed new meter system and policy measures in differentiating commercial and household units

(5) Number of standpipes revised from 2007

(6) Consumption by standpipe is estimated for 2007 to 2010

Data has been updated from 2010

**Table 7.2 Per Capita Domestic Water Consumption 2003 - 2014**

Year	Domestic Consumption gals '000 gals	Mean Population	Per Capita Consumption (gals per day)
2003	395,108	70,352	15.39
2004	363,104	70,417	14.13
2005	465,883	70,564	18.09
2006	473,600	70,692	18.35
2007	487,646	70,729	18.89
2008	526,731	70,726	20.40
2009	571,498	70,747	22.13
2010	603,876	70,730	23.39
2011	592,883	69,819	23.26
2012	584,808	68,967	23.23
2013	586,971	69,065	23.28
2014	631,159	69,393	24.92

Source: Central Statistics Office & Dominica Water & Sewerage Company

Notes: gals. gallons

Per Capita = Consumption/Population/365\*1000

**Table 7.2a Per Capita Total Water Consumption 2002-2014**

Year	Consumption '000 gals	Mean Population	Per Capita Consumption (gals) (Per day)
2002	581,498	70,382	22.64
2003	600,847	70,352	23.40
2004	731,573	70,417	28.46
2005	873,160	70,564	33.90
2006	867,720	70,692	33.63
2007	906,167	70,729	35.10
2008	943,495	70,726	36.55
2009	1,014,108	70,747	39.27
2010	1,054,207	70,730	40.83
2011	1,042,030	69,819	40.89
2012	1,046,223	68,967	41.56
2013	1,031,530	69,065	40.92
2014	1,085,127	69,393	42.84

Source: Central Statistics Office & Dominica Water & Sewerage Company Ltd.

Notes: gals: gallons

Per Capita = Consumption/Population/365\*1000

**Table 7.3 Percentage Distribution of Households by Type of Water Facility 1981, 1991, 2001 and 2011**

Type of Water Facility	1981	1991	2001	2011
Private, piped into dwelling	9.3	10.0	5.1	4.7
Private catchment not piped	1.6	2.0	2.3	1.4
Public catchment piped	...	...	1.5	1.4
Public, piped into dwelling	12.7	29.6	46.3	64.8
Public, piped into yard	9.5	10.6	11.7	7.9
Public Standpipe	47.3	37.2	27.3	14.5
Public Well or Tank	1.0	2.6	1.2	0.7
Other	18.5	7.9	4.5	4.6
Total	100.0	100.0	100.0	100.0

Sources: 1981, 1991, 2001 and 2011 Population and Housing Censuses

## CHAPTER 8 Waste

**Table 8.1 Monthly Solid Waste Disposal  
2007**

Kg

Months	Household	Commercial	Industrial	Institutional	Ship Generated	Medical	Green	Total
JAN	422,790	26,790	181,740	6,260	2,200	880	1,120	641,780
FEB	278,020	15,450	204,030	5,960	1,060	5,300	790	510,610
MAR	420,970	21,870	146,510	11,600	1,940	4,520	1,700	609,110
APR	262,950	20,170	115,720	7,270	2,050	4,390	390	412,940
MAY	411,360	24,860	115,930	10,770	1,440	260	20	564,640
JUN	343,400	14,200	138,810	8,660	1,830	2,600	2,300	511,800
JUL	402,770	23,620	214,180	27,190	1,920	7,990	220	677,890
AUG	284,160	25,510	230,060	14,210	1,990	5,460	6,660	568,050
SEP	326,590	20,910	185,040	8,670	2,990	9,840	1,120	555,160
OCT	535,608	55,202	410,789	20,548	3,738	6752	762	1,033,399
NOV	423,130	35,329	267,013	16,027	6,018	6463	495	754,475
DEC	1,049,362	192,896	715,595	19,938	9,328	6,797	12,375	2,006,291
<b>TOTAL</b>	<b>5,161,110</b>	<b>476,807</b>	<b>2,925,417</b>	<b>157,103</b>	<b>36,504</b>	<b>61,252</b>	<b>27,952</b>	<b>8,846,145</b>

Source: Dominica Solid Waste Management Corporation

Note: kg - kilogram

**Table 8.2 Monthly Solid Waste Disposal  
2008**

Kg

Months	Household	Commercial	Industrial	Institutional	Ship Generated	Medical	Green	Total
JAN	441,850	141,720	155,660	21,620	4,410	7,130	3,160	775,550
FEB	708,960	105,420	130,580	26,470	2,110	4,490	1,250	979,280
MAR	822,450	104,600	146,641	22,710	3,890	3,210	970	1,104,471
APR	876,740	169,460	115,820	29,520	4,100	1,940	360	1,197,940
MAY	619,940	139,740	122,240	42,940	2,880	1,560	1,860	931,160
JUN	816,080	190,480	103,820	52,720	1,660	5,800	920	1,171,480
JUL	583,440	160,700	101,900	21,640	1,470	1,540	2,400	873,090
AUG	704,380	129,260	109,080	22,540	3,990	2,140	1,600	972,990
SEP	553,900	146,240	104,933	30,040	1,980	1,880	3,940	842,913
OCT	1,265,200	919,020	571,280	112,440	2,985	700	1,430	2,873,055
NOV	729,330	258,230	175,750	62,710	6,613	640	420	1,233,693
DEC	1,813,920	1,667,920	646,740	78,000	10,240	1,220	10,450	4,228,490
<b>TOTAL</b>	<b>9,936,190</b>	<b>4,132,790</b>	<b>2,484,444</b>	<b>523,350</b>	<b>46,328</b>	<b>32,250</b>	<b>28,760</b>	<b>17,184,112</b>

Source: Dominica Solid Waste Management Corporation

Note: The significant increase in waste disposal for 2008 is mainly due to wider national coverage of waste collection in urban, semi-urban and rural areas.

Data for 2009 unavailable

Kg: Kilogram

**Tables 8.3 Monthly Solid Waste Disposal  
2010**

Months	Household	Commercial	Industrial	Ship Generated	Institution	Medical	Metal	Green	Total
JAN	1,095,110	902,510	936,791	10,930	85,591	22,320	21,000	400	3,074,652
FEB	327,010	155,770	573,500	...	26,870	1,810	20,456	1,560	1,106,976
MAR	509,970	220,380	634,502	940	21,470	4,070	18,437	620	1,410,389
APR	527,040	155,050	665,073	...	24,370	3,550	28,713	710	1,404,506
MAY	591,120	193,886	635,941	4,510	40,370	2,210	26,902	300	1,495,239
JUN	568,300	196,060	661,200	690	42,070	4,970	28,903	480	1,502,673
JUL	595,040	241,360	621,141	480	36,270	2,060	30,222	5,240	1,531,813
AUG	322,340	143,400	643,597	90	36,430	1,070	25,679	...	1,163,606
SEP	713,330	250,220	737,484	...	61,090	3,180	24,511	360	1,790,175
OCT	747,400	252,350	824,011	...	36,210	2,270	31,456	3,220	1,896,917
NOV	756,879	252,009	835,888	...	43,000	3,500	29,850	...	1,921,126
DEC	280,740	58,990	628,464	...	16,920	590	33,490	190	1,019,384
<b>TOTAL</b>	<b>7,034,279</b>	<b>3,021,985</b>	<b>8,397,592</b>	<b>...</b>	<b>470,661</b>	<b>51,600</b>	<b>319,619</b>	<b>...</b>	<b>...</b>

Source: Dominica Solid Waste Management Corporation

Note: ... Data unavailable

Kg - kilogram

Total waste for February, April and September to December Excludes ship generated Waste. Total waste for August excludes Green waste.

**Table 8.4 Monthly Solid Waste Disposal  
2011**

Months	Household	Commercial	Industrial	Institutional	Tyres(15)	Medical	Metal	Green	Total
JAN	615,455	148,058	731,890	31,720	2,150	1,500	25,467	3,360	1,559,600
FEB	647,320	146,310	757,075	50,946	5,819	5,120	27,893	4,390	1,644,873
MAR	648,890	141,760	675,247	47,770	15,333	1,340	26,789	12,250	1,569,379
APR	629,730	110,080	685,615	53,940	5,680	650	35,456	28,280	1,549,431
MAY	795,390	222,220	737,240	88,240	7,286	1,950	36,412	9,500	1,898,238
JUN	776,518	139,550	674,185	44,760	12,759	1,140	35,768	13,820	1,698,500
JUL	852,615	182,440	689,290	34,830	23,260	1,050	37,891	29,170	1,850,546
AUG	782,180	221,400	749,346	53,140	27,490	1,020	41,780	11,280	1,887,636
SEP	800,474	186,430	705,205	34,850	31,170	1,520	42,690	6,800	1,809,139
OCT	745,250	206,880	689,129	32,380	28,230	500	43,567	8,130	1,754,066
NOV	773,010	206,730	673,407	32,350	23,510	720	47,689	57,620	1,815,036
DEC	743,810	187,560	661,127	36,330	27,210	460	41,234	57,440	1,755,171
<b>TOTAL</b>	<b>8,810,642</b>	<b>2,099,418</b>	<b>8,428,756</b>	<b>541,256</b>	<b>209,897</b>	<b>16,970</b>	<b>442,636</b>	<b>242,040</b>	<b>20,791,615</b>

Source: Dominica Solid Waste Management Corporation

Note: Ship-Generated Waste is not available

**Table 8.5 Monthly Solid Waste Disposal  
2012**

Months	Household	Commercial	Industrial	Ship Generated	Institutional	Tyres(6836)	Medical	Metal	Green	Total
JAN	693,740	195,270	838,249	...	37,390	13,740	990	41,320	10,660	1,831,359
FEB	670,940	160,030	839,980	...	30,470	29,140	1,060	39,450	8,380	1,779,450
MAR	537,310	154,360	832,790	...	24,630	16,760	610	38,456	10,750	1,615,666
				...						
APR	591,800	163,760	832,970	...	33,450	21,240	1,690	37,685	12,900	1,695,495
MAY	782,253	198,140	854,114	...	42,280	17,960	1,440	38,622	13,980	1,948,789
JUN	660,540	191,420	852,210	...	31,130	27,060	1,620	37,890	28,840	1,830,710
				...						
JUL	727,547	181,570	838,150	...	27,790	19,760	1,490	36,789	32,940	1,866,036
AUG	743,600	181,510	896,685	...	35,220	22,400	1,580	41,289	29,350	1,951,634
SEP	654,045	167,010	928,524	...	24,920	18,110	2,360	43,201	76,580	1,914,750
				...						
OCT	691,433	171,080	885,304	...	30,090	22,450	2,790	42,850	86,930	1,932,927
NOV	663,093	164,840	845,077	...	43,190	24,540	1,430	45,672	71,460	1,859,302
DEC	704,510	161,550	869,060	2,540	29,760	22,900	1,860	41,933	37,860	1,871,973
<b>TOTAL</b>	<b>8,120,811</b>	<b>2,090,540</b>	<b>10,313,113</b>	<b>...</b>	<b>390,320</b>	<b>256,060</b>	<b>18,920</b>	<b>485,157</b>	<b>420,630</b>	<b>22,095,551</b>

Source: Dominica Solid Waste Management Corporation

Note: Totals exclude ship-generated waste except for December

.... Not available

**Table 8.6 Per Capita Household Waste Disposal 2007-2012**

Year	Total Household Waste Disposal ('000) kg	Mean Population	Per Capita Waste Disposal (kg) (per day)
2007	5,161	70,729	0.20
2008	9,936	70,726	0.38
2010	7,034	70,730	0.27
2011	8,811	69,819	0.35
2012	8,121	68,967	0.32

Source: Dominica Solid Waste Management Corporation

Notes: Per Capita = Total Waste/Population/365\*1000

Data for 2009 is not available

**Table 8.7 Per Capita Total Waste Disposal 2007-2012**

Year	Total Waste Disposal ('000) kg	Mean Population	Per Capita Waste Disposal (kg) (per day)
2007	8,846	70,729	0.34
2008	17,184	70,726	0.67
2011	20,792	69,819	0.82
2012	22,098	68,967	0.88

Source: Dominica Solid Waste Management Corporation

Notes: Per Capita = Total Waste/Population/365\*1000

Data for 2009 is not available.

2011-2012 excludes ship generated waste with the exception 2012

where total includes ship generated waste for December only.

2010 total is not presented due to data gaps.

**Table 8.8 Annual Expenditure on Solid Waste Management  
2003 - 2012**

Year	Expenditure EC\$'000	Total waste Disposal 000 kg	Expenditure per kg EC \$
2003	2,788	...	...
2004	3,333	...	...
2005	3,749	...	...
2006	3,785	...	...
2007	3,384	8,846	2.61
2008	3,316	17,184	5.18
2009	4,131	...	...
2010	4,557	...	...
2011	4,527	20,792	4.59
2012	4,960	22,098	4.46

Source: Dominica Solid Waste Corporation &amp; Central Statistics Office

Note: ... Data is not available

2008 : The significant increase in waste disposal is mainly due to wider coverage of waste collection in urban, semi urban and rural areas.

2011 excludes ship generated waste,

2012 excludes ship generated waste except for the month of December.

## CHAPTER 9 TRANSPORT

**Table 9.1 Imports of Motor Vehicles by Type**

2000 - 2013

Year	Tractors	Coaches, Buses & Mini Buses	Motor Cars	Dumpers	Lorries (Trucks)	Total
2000	16	93	765	441	10	1,325
2001	12	57	554	144	13	780
2002	6	66	491	165	12	740
2003	4	70	485	129	16	704
2004	8	102	607	179	15	911
2005	19	148	733	237	21	1,158
2006	4	74	574	252	5	909
2007	23	96	589	277	12	997
2008	26	135	621	260	19	1,061
2009	23	85	826	259	21	1,214
2010	19	87	700	233	21	1,060
2011	9	61	649	142	18	879
2012	5	58	700	118	17	898
2013	14	46	541	100	13	714

Source: Central Statistics Office and Customs Department

**Table 9.2 Number of Motor Vehicle Licensed**

2000–2012

Year	NUMBER OF MOTOR VEHICLES LICENSED DURING THE YEAR (1)							
	Private Cars (2)	Taxis	Buses	Motor Cycles (3)	Trucks (4)	Jeeps	Tractors (5)	Total
2000	5,630	185	1371	437	2,057	1,682	62	11,424
2001	5,483	208	1494	527	2,199	1,971	68	11,950
2002	5,413	228	1593	656	2,315	2,156	71	12,432
2003	5,470	243	1693	775	2,414	2,110	77	12,782
2004	5,705	258	1838	851	2,525	2,330	80	13,587
2005	6,284	316	2145	933	2,748	2,602	84	15,112
2006	6,624	336	2239	1,020	2,918	2,709	85	15,931
2007	9,216	338	1298	254	2,217	3,735	24	17,082
2008	9,144	320	1334	375	2,233	3,753	21	17,180
2009	8,995	312	1356	317	2,217	3,563	34	16,794
2010	9,151	328	1385	328	2,212	3,402	35	16,841
2011	9,136	305	1375	348	2,160	3,299	34	16,657
2012	9,659	353	1359	407	2,300	3,609	41	17,728

Sources: Traffic Department, Commonwealth of Dominica Police Force, up to 2002 and Inland Revenue Division from 2003

Notes: (1) including tax-exempt vehicles

(2) including state cars

(3) including scooters and mopeds

(4) including pickups and vans

(5) including excavators and trailers

**Table 9.3 Number of Motor Vehicles Licensed per One Hundred Population  
2001 - 2012**

Year	Number of Vehicles Licensed	Mean Population	Vehicles per hundred persons
2001	11,950	70,922	17
2002	12,432	70,382	18
2003	12,782	70,352	18
2004	13,587	70,417	19
2005	15,112	70,564	21
2006	15,931	70,692	23
2007	17,082	70,729	24
2008	17,180	70,726	24
2009	16,794	70,747	24
2010	16,841	70,730	24
2011	16,657	69,819	24
2012	17,728	68,967	26

Source: Traffic Department & Central Statistics Office

Note: Vehicles per hundred persons = Number of Vehicles Licensed/Population \*100

**Table 9.4 Aircraft Movement and Cargo Handled  
2002 - 2013**

Year	Aircraft Movements	Cargo (kg)	
		Set Down	Picked Up
2002	15,118	429,764	199,750
2003	14,308	376,456	146,849
2004	14,283	467,077	206,594
2005	14,290	473,877	190,591
2006	14,854	404,160	295,249
2007	12,738	468,272	90,211
2008	19,670	553,847	150,769
2009	19,624	624,482	112,832
2010	20,582	541,718	143,277
2011	20,462	473,114	159,296
2012	20,826	479,900	111,085
2013	22,970	496,408	128,068

Source: Travel Report, Central Statistics Office

Note: Significant decline in "cargo picked up" for third and fourth quarters of 2007

**CHAPTER 10 TOURISM**

**Table 10.1 Visitor Arrivals By Country of Usual Residence  
2003 - 2013**

Country of Usual Residence	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>TOTAL</b>	<b>77,118</b>	<b>82,664</b>	<b>79,907</b>	<b>84,967</b>	<b>78,890</b>	<b>82,077</b>	<b>75,704</b>	<b>77,301</b>	<b>76,310</b>	<b>81,069</b>	<b>80,181</b>
U.S.A.	15,761	17,649	18,544	22,077	21,607	20,544	18,239	20,638	17,902	19,101	18,143
Canada	1,990	1,735	1,979	2,562	2,624	3,334	2,244	2,870	3,011	3,089	3,039
CARICOM	14,018	14,110	14,211	17,178	13,074	11,587	12,133	12,261	11,680	11,168	12,096
O.E.C.S.	9,360	9,164	9,435	10,916	8,502	7,428	7,941	7,807	7,224	6,841	7,464
Other CARICOM	4,658	4,946	4,776	6,262	4,572	4,159	4,192	4,454	4,456	4,327	4,632
French West Indies	21,164	22,643	18,981	20,160	19,929	20,555	20,138	24,934	21,776	24,420	23,639
Rest of Americas	12,336	15,415	15,008	10,675	9,362	11,287	10,537	4,820	8,407	8,013	7,324
Europe	10,963	10,336	10,341	11,396	10,743	13,898	11,586	10,788	11,548	13,076	13,771
United Kingdom	6,090	6,078	6,126	6,512	6,262	7,236	4,369	4,611	4,658	4,689	4,671
France	2,651	1,906	1,895	2,290	2,204	3,843	4,531	3,348	3,713	4,371	4,701
Other Europe	2,222	2,352	2,320	2,594	2,277	2,819	2,686	2,829	3,177	4,016	4,399
Other Countries /Not stated	886	776	843	919	1,551	872	827	990	1,986	2,202	2,169

Source: Central Statistics Office

**Table 10.2 Visitor Arrivals by Mode of Travel 2003 - 2013**

<b>Mode of Travel</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
AIR	51,711	56,242	58,586	61,631	55,881	55,349	48,323	49,030	47,899	48,444	47,634
SEA	25,407	26,422	21,321	23,336	23,009	26,728	27,381	28,271	28,411	32,625	32,547
<b>AIR and SEA</b>	<b>77,118</b>	<b>82,664</b>	<b>79,907</b>	<b>84,967</b>	<b>78,890</b>	<b>82,077</b>	<b>75,704</b>	<b>77,301</b>	<b>76,310</b>	<b>81,069</b>	<b>80,181</b>
CRUISE SHIP	177,044	383,614	301,511	379,643	354,515	380,671	516,551	516,820	341,501	266,178	230,587
<b>TOTAL</b>	<b>254,162</b>	<b>466,278</b>	<b>381,418</b>	<b>464,610</b>	<b>433,405</b>	<b>462,748</b>	<b>592,255</b>	<b>594,121</b>	<b>417,811</b>	<b>346,225</b>	<b>310,768</b>

Source: Central Statistics Office

**Table 10.3 Tourist Arrivals By Place of Stay  
2003- 2013**

<b>PLACE OF STAY</b>		<b>HOTELS</b>	<b>GUEST HOUSES</b>	<b>APART-MENTS &amp; COTTAGE</b>	<b>OTHER PAID ACCOMMO-DATIONS</b>	<b>PRIVATE HOMES</b>	<b>NOT STATED</b>	<b>TOTAL</b>
2003	No.	13,557	5,075	4,089	3,693	46,208	568	<b>73,190</b>
	%	18.5	6.9	5.6	5.0	63.1	0.8	<b>100.0</b>
2004	No.	15,259	5,568	2,341	5,464	51,010	445	<b>80,087</b>
	%	19.1	7.0	2.9	6.8	63.7	0.6	<b>100.0</b>
2005	No.	15,600	5,144	1,094	4,887	51,301	1,231	<b>79,257</b>
	%	19.7	6.5	1.4	6.2	64.7	1.6	<b>100.0</b>
2006	No.	19,804	4,771	1,332	8,757	48,283	1,094	<b>84,041</b>
	%	23.6	5.7	1.6	10.4	57.5	1.3	<b>100.0</b>
2007	No.	16,391	3,197	6,772	7,969	41,802	1,790	<b>77,921</b>
	%	21.0	4.1	8.7	10.2	53.6	2.3	<b>100.0</b>
2008	No.	17,209	5,325	5,593	3,367	46,220	3,398	<b>81,112</b>
	%	21.2	6.6	6.9	4.2	57.0	4.2	<b>100.0</b>
2009	No.	17,020	4,178	4,147	4,017	44,108	1,454	<b>74,924</b>
	%	22.7	5.6	5.5	5.4	58.9	1.9	<b>100.0</b>
2010	No.	15,473	4,496	5,644	5,292	43,776	1,837	<b>76,518</b>
	%	20.2	5.9	7.4	6.9	57.2	2.4	<b>100.0</b>
2011	No.	16,574	4,387	3,928	6,136	43,307	1,214	<b>75,546</b>
	%	21.9	5.8	5.2	8.1	57.3	1.6	<b>100.0</b>
2012	No.	18,273	4,576	4,464	5,512	44,757	1,383	<b>78,965</b>
	%	23.1	5.8	5.7	7.0	56.7	1.8	<b>100.0</b>
2013	No.	17,416	3,874	5,275	7,135	43,578	999	<b>78,277</b>
	%	22.2	4.9	6.7	9.1	55.7	1.3	<b>100.0</b>

Source: Central Statistics Office

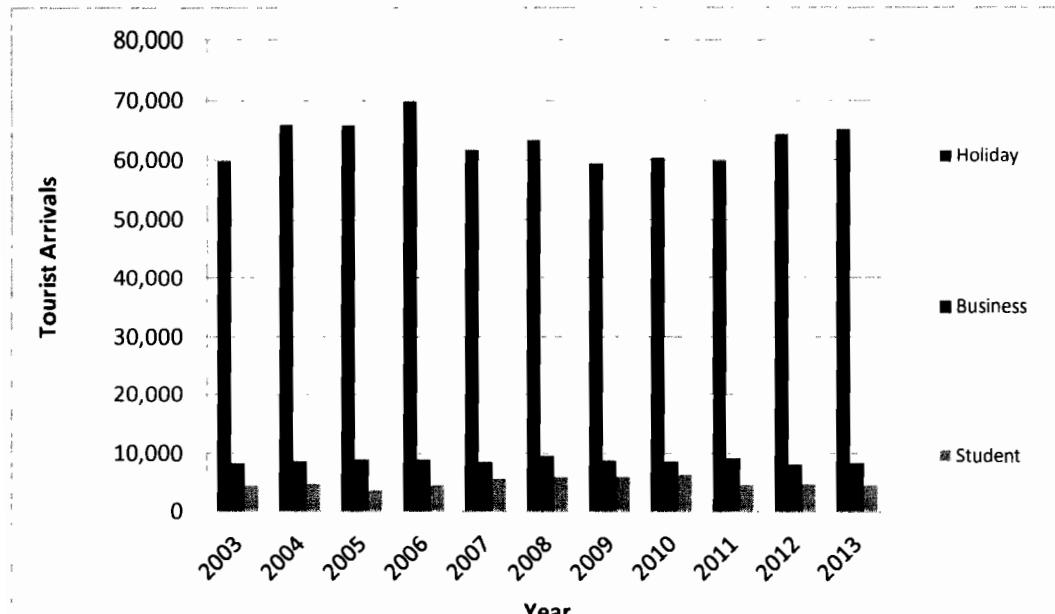
**Table 10.4 Tourist Arrivals by Purpose of Visit 2002 - 2013**

Year	Holiday	Business	Student	Other	Total
2002	56,348	8,624	3,936	285	69,193
2003	59,919	8,369	4,634	268	73,190
2004	66,013	8,689	4,896	489	80,087
2005	65,938	8,972	3,804	543	79,257
2006	69,921	8,950	4,698	472	84,041
2007	61,877	8,601	5,754	1689	77,921
2008	63,383	9,631	6,062	2036	81,112
2009	59,501	8,792	6,048	583	74,924
2010	60,500	8,650	6,432	936	76,518
2011	59,931	9,168	4,725	1,722	75,546
2012	64,318	8,129	4,821	1,697	78,965
2013	65,142	8,358	4,628	149	78,277

Source: Central Statistics Office

Note: Data for students include more than one entry for the year particularly for students in off-shore educational institutions

**Chart 5 Tourist Arrivals by Purpose of Visit  
2003 - 2013**



**Table 10.5 Tourist Intensity and Penetration Ratio  
2003 - 2013**

Year	Tourist	Length of stay	Mean Population	Intensity Growth Rate	Penetration Ratio
2003	73,190	8.62	70,352	2.30	0.0246
2004	80,087	8.62	70,417	2.52	0.0269
2005	79,257	8.62	70,564	2.49	0.0265
2006	84,041	8.62	70,692	2.64	0.0281
2007	77,921	8.62	70,729	2.45	0.0260
2008	81,112	8.22	70,726	2.43	0.0258
2009	74,924	7.67	70,747	2.10	0.0222
2010	76,518	8.21	70,730	2.29	0.0243
2011	75,546	9.69	69,819	2.67	0.0287
2012	78,965	12.3	68,967	3.54	0.0386
2013	78,277	9.90	69,065	2.83	0.0307

Source: Central Statistics Office

Note: Tourist Intensity Growth Rate = (Average length of stay \* number of visitors) / (365 \* area in square kilometers)

Tourist penetration ratio = (Average length of stay \* number of visitors) / (365 \* mid-year population estimates)

Tourist excludes one-day visitors

Data revised except for Mean Population .

**Table 10.6 Registered Hotels and Guesthouses 1997 – 2013**

Year	Hotels/Resorts		Guesthouses		Apartment and Cottages		Total	
	No.	No. of Rooms	No.	No. of Rooms	No.	No. of Rooms	No.	No. of Rooms
1997	16	504	23	224	20	96	59	824
1998	18	534	24	219	21	94	63	847
1999	19	563	24	213	21	91	64	867
2000	19	562	25	228	22	100	66	890
2001	19	571	25	218	22	100	66	889
2002	19	571	27	230	25	130	71	931
2003	19	571	25	230	25	130	70	931
2004	20	442	26	243	22	106	68	791
2005	20	442	26	239	22	106	68	787
2006	21	452	32	247	25	119	78	818
2007	22	441	37	276	34	184	92	901
2008	22	446	39	288	35	186	96	920
2009	23	463	40	300	41	226	104	989
2010	24	470	40	279	48	287	112	1036
2011	26	494	40	276	48	292	114	1062
2012	26	496	41	286	50	298	117	1080
2013	27	535	39	275	53	317	119	1127

Source: Central Statistics Office

No: number

Note: Data on number of Rooms in Hotels / Resorts from 1997 to 2011 has been revised

Other Revised data:

Total Number of Rooms from 1997 to 2002 and 2009

Number of rooms in Apartment and Cottages for 2009

**Table 10.7 Number of Visitors to Tourist Attraction Sites 2001-2011**

<b>Site</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>TOTAL 2001 - 2011</b>
Emerald Pool	82,440	52,094	61,306	116,732	77,537	93,950	78,875	73,909	69,739	65,380	55,975	827,937
Trafalgar Falls	85,602	49,052	66,901	130,843	93,439	110,879	107,849	109,434	119,259	148,880	87,730	1,109,868
Soufriere Sulphur Springs	11,361	9,340	6,786	16,674	14,696	14,422	14,273	10,785	7,533	10,603	8,186	124,659
Middleham Falls	5,088	4,251	5,161	7,873	5,569	5,197	3,927	4,890	6,282	7,135	5,367	60,740
Indian River	14,863	10,852	16,134	19,170	13,828	17,466	16,242	14,987	13,844	13,221	14,333	164,940
Cabrits National Park	14,201	14,013	13,969	13,966	12,461	12,392	15,426	15,402	15,569	15,308	16,884	159,591
Syndicate Nature Trail	513	219	314	422	406	249	259	767	3,380	2,451	2,386	11,366
Boiling Lake	2,870	3,653	3,451	4,282	3,394	4,410	4,394	3,536	5,118	3,800	4,545	43,453
Boeri/FreshWater Lakes	4,898	5,034	4,712	6,018	10,690	16,517	11,479	8,800	10,040	10,716	10,316	99,220
Morne Trois Piton Trail	...	...	...	...	...	...	...	58	13	2	39	112
Morne Diablotin	...	...	...	...	...	...	...	52	45	96	180	373
Indian River	...	...	...	...	...	...	...	14,987	13,844	13,221	14,333	56,385
<b>TOTAL</b>	<b>221,836</b>	<b>148,508</b>	<b>178,734</b>	<b>315,980</b>	<b>232,020</b>	<b>275,482</b>	<b>252,724</b>	<b>257,607</b>	<b>264,666</b>	<b>290,813</b>	<b>220,274</b>	<b>2,658,644</b>

Source: Forestry Wildlife and Parks Division, Ministry of Agriculture

Note: Annual Totals based on available data particularly for years 2001 - 2007

## CHAPTER 11 NATURAL DISASTERS

**Table 11.1 Natural Disasters, Number of Fatalities and Estimated Damage**

**1979 -2013**

Year	Name of Disaster	No. of Persons Killed	Estimated Damage EC\$M
1979	David	42	86.8
1979	Frederick	0	...
1980	Allen	0	...
1984	Klaus	0	...
1988	Gilbert	0	...
1989	Hugo	0	69.0
1994	Debbie	0	30.0
1995	Marilyn	1	...
1995	Luis	0	...
1995	Iris	0	...
1999	Lenny	1	31.0
2004	Earthquake	0	90.0
2007	Dean	3	173.7
2008	Omar	0	4.5
2010	Tomas	0	...
2010	Landslide	3	...
2011	Flooding	0	...
2013	Flooding	0	...

Sources: Dominica, Natural Disasters and Economic Development in a Small Island State, Disaster Coordinating Unit and OECS Secretariat, Rapid Assessment Report, October 2008, Department of Local Government

Note: ... not available

2011 : Mattier Dam- Layou Valley Flooding (destruction of agricultural lands)

Massacre flooding (destruction of building and roads)

2013: Newtown Disaster (destruction of homes)

Year	Table 11.2 Natural Disasters 1979 - 2008									
	Type of Disaster 1	Date Started 2	Total Casualties of which				Total Casualties 3	Population Affected	Mean Population	Damage EC\$M 4
			Dead	Injured	Missing	Homeless				
1979	H	29/8/79	42	3000	...	60,000	63,042	75,000	77,057	86.8
1989	H	17/09/89	...	...	...	...	...	...	72,055	69.0
1994	TS	...	...	...	...	...	...	...	72,413	30.0
1995	H	27/8/95	1	...	...	...	...	...	72603	366.0*
	H	5/9/1995	...	...	...	...	...	...	72,603	
	H	18/9/95	...	...	...	...	...	...	72,603	
1999	H	18/11/99	...	...	...	...	...	602	71,815	31.0
2004	E	21/11/04	0	...	0	...	...	19,257	70,417	90.0
2007	H	17/08/07	3	26	0	50	29	...	70,729	173.7
2008	H	16/10/08	0	0	...	0	0	253**	70,729	4.5

Source: Disaster Coordinating Unit and OECS Macro-socio economic assessment.

Notes:

A combined assessment was done for the landslide and earthquake in 2004 since the occurrence was about the same time.

H. Hurricane, TS: Tropical Storm, E/L: Earthquake/Landslide

Natural Disaster:

1. A natural event which overwhelms local capacity, necessitating a request for national or international assistance, or is recognised as such by a multilateral agency, or by at least two sources, such as national, regional or international assistance groups and the media. There are two types: sudden-impact disasters e.g. earthquakes; or those that develop gradually, e.g. drought.
2. Onset Date
3. Covers all casualties, as well as others whose basic requirements for food, shelter, sanitation and medical, etc. were adversely affected.

Damages:

4. Estimated value of all damages and economic losses directly related to the occurrence of the given disaster.  
The economic impact can be direct (e.g. damage to infrastructure, crops, housing) or indirect (e.g. loss of revenues, unemployment, market destabilization).

\*Total damage for all disasters.

\*\* Refers to Number of families

US\$1.00 is equivalent to \$2.7169 National Currency

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