

THE CAYMAN ISLANDS' SYSTEM OF NATIONAL ACCOUNTS REPORT 2015

NOVEMBER 2016





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ABBREVIATIONS AND ACRONYMS

AAC Aggregate Advisory Committee
AAGR Average Annual Growth Rate
ANA Annual National Accounts

ANAS Annual National Accounts Survey

BEC Classification by Broad Economic Categories

BR Business Register

CARTAC Caribbean Regional Technical Assistance Centre

CIDOT Cayman Islands Department of Tourism

CIF Cost, Insurance, Freight

CIMA Cayman Islands Monetary Authority

CISNA Cayman Islands System of National Accounts

CI\$ Cayman Islands Dollars

COE Compensation of Employees

CPI Consumer Price Index

CRE Central Register of Establishments

ECLAC Economic Commission for Latin America and the Caribbean

ESO Economics and Statistics Office

FISIM Financial Intermediation Services Indirectly Measured

FOB Free On Board

GDP Gross Domestic Product

GO Gross Output

GVA Gross Value Added

HBS Household Budget Survey
IMF International Monetary Fund

IPI Implicit Price Index

ISIC International Standard Industrial Classification of Economic Activity

LFS Labour Force Survey
NEC Not Elsewhere Classified

NPISG Non-Profit Institutions Serving Government
NPISH Non-Profit Institutions Serving Household

PPI Producer Price Index

PSPB Public Sector Pension Board

ROW Rest of the World SBU Simple Blow Up

SITC Standard International Trade Classification

SNA System of National Accounts

SR Sample Ratio

UNSD United Nation Statistics Division



1. EXECUTIVE SUMMARY

- 1.1 The Cayman Islands' System of National Accounts Report 2015 presents the gross domestic product (GDP) estimates for the period 2011–2015. The estimates were calculated using both the production and income approaches. The production approach to estimating GDP is obtained by summing the value added of all industries within the economy (i.e. the gross value of outputs minus the value of intermediate consumption). The income approach is obtained by summing the income earned by the factors of production, i.e. compensation of employees, consumption of fixed capital, taxes less subsidies on production and imports and operating surplus/mixed income. The income approach estimates GDP in current purchasers' prices.
- 1.2 Gross Value Added (GVA) is defined as the difference between the gross output (essentially sales) of producers and the value of their intermediate inputs (goods and services that are used up in the production process, excluding fixed assets whose consumption is recorded as consumption of fixed capital).
- 1.3 The concept of GDP for the economy as a whole is that it should measure the total GVA for all producers resident in the economy. The overall estimate of Cayman Islands' GDP comprises the value added of 18 industries as classified using the International Standard Industrial Classification (ISIC) Revision 4. The data shown are the most recent estimates of GDP and include any revisions (to previously published data) due to revised figures obtained from businesses during the most recent Annual National Accounts Survey. In general, figures for the most recent year (2015) are to be regarded as preliminary.
- 1.4 GDP estimates in this report are presented in both basic prices and purchaser's (market) prices. The main difference between basic and purchasers' price is the taxes less subsidies (or net taxes) on products. A tax on a product is a tax that is payable per unit of some good or service. The tax may be a specific amount of money per unit or a specified percentage of the value of the goods or services. In the Cayman Islands, taxes on products are primarily taxes and duties on imports, and other taxes on product excluding taxes and duties on imports (e.g. hotel occupancy tax).
- 1.5 The 2015 nominal (current) basic price GDP for the Cayman Islands stood at CI\$2,844.5 million, resulting in an estimated per capita nominal GDP of CI\$48,167.4.



- 1.6 Real GDP at basic price (i.e. GDP at constant 2007 prices or GDP adjusted for inflation) stood at CI\$2,621.8 million in 2015. The corresponding per capita GDP for 2015 was estimated at CI\$44,397.2.
- 1.7 The domestic economy recorded another year of growth in 2015 when it expanded by 2.8 percent compared to 2014. This fifth consecutive year of growth added to the 1.2 percent growth recorded in 2011, 1.3 percent in 2012, 1.5 percent in 2013 and 2.2 percent in 2014. The performance in 2015 continues the acceleration in economic activity since 2011, and was broad-based as all industries posted growth.
- 1.8 In terms of the growth rate of constant price GDP in 2015, the top six performing industries are: (i) mining & quarrying (8.4%); (ii) human health & social work (6.9%); (iii) construction (6.1%); (iv) education services (3.9%); (v) professional, scientific & technical activities which includes legal and accounting services (3.7%); and (vi) administrative & support services activities which consists mainly of security and car rental services (3.4%). The financial & insurance services industry posted growth of 2.1 percent in 2015, after growing by 0.8 percent in 2014 and 0.4 percent in 2013.
- 1.9 The Average Annual Growth Rate (AAGR) over the five-year period (2011-2015) showed average annual constant price GDP growth of 1.8 percent for the total economy. The highest average expansion over the period was recorded by the human health & social work industry, which posted average growth of 3.6 percent. This was followed by agriculture & fishing (3.5%); hotels & restaurants (3.3%); administrative & support services activities (3.0%); and professional, scientific & technical activities (3.0%). Financial and insurance services expanded by an average rate of 1.1 percent over the period, while construction services expanded by 1.8 percent. All industries posted positive average growth rate for the review period with the information and communication industry realizing the lowest average expansion of 0.5 percent.
- 1.10 While posting a marginal decline in its direct contribution to real GDP in 2015, the financial and insurance services industry maintained its position as the largest single contributor, accounting for 41.0 percent of total GDP. This represents a continued decline in the contribution of the industry from the 42.2 percent recorded for 2012. The other industries making up the top six contributors in 2015 include: (i) professional, scientific & technical activities, which includes legal and accounting services (14.5%); (ii) real estate activities (8.5%); (iii) wholesale & retail trade (8.2%); (iv) public administration & defense which consists primarily of central government operations (7.5%); and (v) hotels and restaurants (5.8%). There was no



change in the relative ranking of the industries within the Cayman Islands' economy in 2015 when compared to 2014.

- 1.11 All income components of GDP recorded growth in 2015 when compared to the previous period with the exception of taxes (less subsidies) on production and imports¹ which declined by 1.5 percent. The highest increase was recorded by operating surplus/mixed income² (4.9%), followed by compensation of employees³ (3.6%) and consumption of fixed capital⁴ (0.6%).
- 1.12 In 2015, total compensation of employees increased to CI\$1,533.9 million or 50.1 percent of GDP; total operating surplus/mixed income reached CI\$840.8 million or 27.5 percent of GDP; consumption of fixed capital was estimated at CI\$188.0 million or 6.1 percent of GDP while total taxes on production and imports (less subsidies) was valued at CI\$498.8 million or 16.3 percent of GDP.

a. Taxes on products - taxes on goods and services that become payable when the goods are produced, sold, imported or otherwise disposed of by their producers, e.g. taxes and duties on import and other taxes on products excluding taxes and duties on import (e.g. hotel occupancy tax).

¹ Taxes on production and imports consists of:

b. Other taxes on production - all taxes excluding taxes on products that establishments incur as a result of engaging in production (e.g. business and professional licences, building permit fees, property tax, stamp duties, etc.).

² Operating Surplus/Mixed income – operating surplus is the measure of the surplus accruing from production. It may be used in macro-economics as a proxy for total pre-tax profit income. The term "mixed income" is used when operating surplus cannot be distinguished from wage income, i.e. mixed income is a combination of operating surplus and implicit remuneration for work done by owner.

³ Compensation of employees is defined as the total remuneration, in cash or in kind, payable by an enterprise to an employee in return for work done by the latter during the accounting period.

⁴ Consumption of fixed capital is the decline, during the course of the accounting period, in the current value of the stock of fixed and intangible assets owned and used by a producer as a result of physical deterioration, normal obsolescence or normal accidental damage.



2. INTRODUCTION

2.1 Importance of the SNA

The SNA is a system of accounts that is used globally to measure the economic performance of countries and jurisdictions using accepted international standards issued by the United Nations and the International Monetary Fund (among others). In the context of the Cayman Islands, its main uses are to:

- a. Comply with the Public Management & Finance Law (2013 Revision) which requires the reporting of gross domestic product in the Strategic Policy Statement. Governments, in general, use the SNA statistics as key indicators for evaluating the potential and actual macro-economic impact and sustainability of fiscal policies.
- b. Comply with data requirements of foreign investors and creditors. For example, data from the SNA are required for inclusion in official borrowing documents (i.e., Offering Memorandum or Private Placement Memorandum). These statistics are necessary to making an assessment of the worthiness of the jurisdiction as an investment site and/or the worthiness of its entities as borrowers.
- c. Comply with data requirements of international credit rating agencies which provide credit ratings for the Cayman Islands Government and private entities who borrow from the global financial market.
- d. Provide necessary data for the conduct of economic impact assessments of hurricanes and other disasters, which are required by funding and other donor agencies. As pointed out by previous teams from the Economics Commission for Latin America and the Caribbean (ECLAC), the GDP statistics by sector for Cayman are necessary in calculating the economic impact of disasters in each sector and therefore, the approximate amount of resources required for the reconstruction of these sectors.
- e. Provide data necessary for government departments and business associations to monitor the economic performance and contribution of their respective sectors; and
- f. Provide data that can assist government departments, local businesses and non-government organizations in preparing business plans or determining the level of assistance to businesses. These statistics help determine the "buying power" or the size of the local market, the potential growth of the market, and alternative sectors for investment.



2.2 Key Data Sources

The SNA estimates contained in this report are based on the Annual National Accounts Survey (ANAS) conducted among all establishments included in the ESO Business Register. The survey was conducted during the period April to May 2016. Information from the survey is supplemented by secondary data provided by various government ministries, departments and statutory authorities including the Cayman Islands Monetary Authority (CIMA), Department of Agriculture, Public Transport Unit, Health Services Authority and other informal interviews with industry sources.

As in any survey, the response rate to the ANAS is mainly a function of the appreciation and understanding of the respondents on how the data will be used. It is hoped that this report will be an instrument in demonstrating the potential uses of the SNA to the business sector, business associations and those providing services to the businesses in the Cayman Islands.

2.3 Valuation of Gross Domestic Product (GDP)

Some tables are presented at both basic and purchasers' (i.e. market) price. The main difference between basic and purchasers' price is the taxes less subsidies (net taxes) on products. Taxes on products are taxes on goods and services that become payable when the goods are produced, sold, imported or otherwise disposed of by their producer. The tax may be a specific amount of money per unit or a specified percentage of the value of the goods or services. The following are the categories of this type of tax:

- a. Taxes and duties on imports
- b. Other taxes on product excluding taxes and duties on import (e.g. hotel occupancy tax).

2.4 Improvement in Methodology

The System of National Accounts (SNA) is ever evolving, and as such, from time to time there will be adjustments in the methodology used to derive the estimates. This covers the gamut from the refinement of the estimation process to the availability of new and improved data sources. In this vein, the Economics and Statistics Office (ESO) is continually seeking to improve the quality of the GDP estimates. The estimates in this report benefitted from the recommendations made by the Real Sector Advisor (RSA) from the Caribbean Regional Technical Assistance Centre (CARTAC) in July 2015.



3. GROSS DOMESTIC PRODUCT ESTIMATES-PRODUCTION APPROACH

3.1 Overview of GDP at basic and purchasers' prices

The Cayman Islands' System of National Accounts Report 2015 presents the gross domestic product (GDP) estimates for the period 2011-2015. The estimates were calculated using both the production and income approaches. The production approach to estimating GDP is obtained by summing the value added of all industries within the economy (i.e. the gross value of outputs minus the value of intermediate consumption). The income approach is obtained by summing the income earned by the factors of production, i.e. compensation of employees, consumption of fixed capital, taxes less subsidies on production and imports, and operating surplus/mixed income.

This section presents a series of tables and figures showing various presentations of the preliminary 2015 estimates of GDP by industry as follows:

- Main aggregates of GDP and the per capita indicators (Table 1);
- GDP at constant prices by industrial origin (Table 2);
- GDP rate of growth at constant prices (Table 3);
- Goods and service-producing industries' contribution to GDP at constant basic prices (Table 4);
- o Industry ranking by contribution to GDP at constant (2007) basic prices (Table 5);
- GDP at current basic and purchasers' prices (Table 6);
- Detailed value added by industries (Table 7);
- o GDP implicit price index (Table 8); and
- o Production and cost components of value added (Table 9).

The continued expansion of the Cayman Islands' economy carried forward into 2015 as the economy posted the fifth consecutive year of annual economic expansion. The total value of goods and services produced in 2015 (as reflected by the real GDP) increased by 2.8 percent compared to 2014. This represents an increased rate of expansion on the 2.2 percent recorded in 2014 and the most significant annual growth achieved since the economy emerged from recession in 2011. The growth in 2015 resulted in an average annual expansion of 1.8 percent for the five-year period 2011-2015. The continued upward trajectory of the domestic economy is further evidence of a robust recovery from the impact of the global recession in the latter part of the last decade.

The economic growth realized in 2015 was generated through growth in the goods-producing industries (5.1%) as well as the service industries (2.5%). The performance of the good-producing industries resulted from growth in all areas in the grouping, led by

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⁵ GDP by income components is provided for the period 2010-2015.



mining & quarrying activities (8.4%), and construction services (6.1%). As with the good-producing industries, all areas in the service industries expanded in 2015. This is further evidence of the robustness of the performance of the domestic economy in 2015. Five of the fourteen industries categorized as service-producing posted growth rates of three or more percent, with another four industries growing at two or more percent. The growth in services was led by the performance in human health & social work activities (6.9%); education services (3.9%); professional, scientific & technical activities which includes legal and accounting services (3.7%); administrative & support services activities which consists mainly of security and car rental services (3.4%); and electricity services $(3.0\%)^6$.

Table 1 below shows the total value of domestic output for the years 2011 to 2015. Domestic output relates to all entities that have a physical presence in the Cayman Islands; therefore, for the most part, they exclude entities registered in the Cayman Islands but have no physical presence in the country. The table shows the current and constant (i.e. inflation adjusted) price estimates of GDP valued in both basic and purchasers' prices. The table also shows the per capita indicator relating to the respective GDP aggregates.

Table 1: System of National Accounts Main Aggregates and Per Capita Indicators

Main Aggregates (CI\$'000)	2011	2012	2013 ^R	2014 ^R	2015
GDP (Current Basic Prices)	2,519,255.6	2,575,384.8	2,649,063.7	2,755,282.8	2,844,480.0
GDP (Constant Basic Prices)	2,427,776.4	2,458,228.8	2,494,624.7	2,549,576.2	2,621,831.7
GDP (Current Purchasers' Prices)	2,712,661.6	2,776,388.0	2,852,353.5	2,975,882.0	3,061,522.6
GDP (Constant Purchasers' Prices)	2,591,901.3	2,623,775.3	2,657,342.0	2,726,269.8	2,799,190.0
	•				
Mean Population ('000)	55.3	56.1	56.2	57.0	59.1
Per Capita Indicators (CI\$)	2011	2012	2013 ^R	2014 ^R	2015
GDP (Current Basic Prices)	45,575.1	45,886.6	47,102.8	48,344.2	48,167.4
GDP (Constant Basic Prices)	43,920.2	43,799.2	44,356.8	44,734.9	44,397.2
GDP (Current Purchasers' Prices)	49,074.0	49,467.9	50,717.5	52,214.9	51,842.8
GDP (Constant Purchasers' Prices)	46,889.3	46,748.8	47,250.0	47,835.2	47,400.5

Notes:

- 1. GDP at basic price excludes net taxes on goods and services
- 2. GDP at purchasers' price includes net taxes on goods and services
- 3. Mean Population refers to the mid-year population

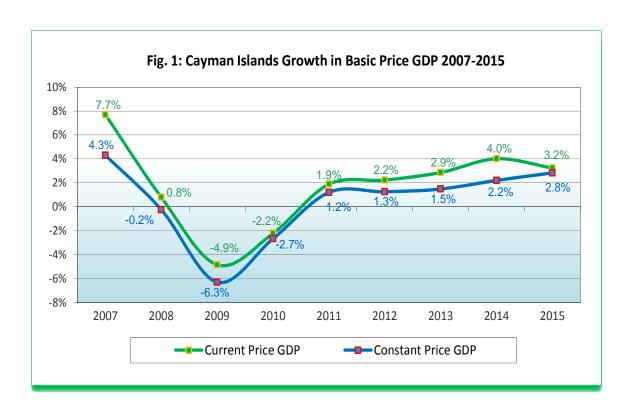
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⁶ See Table 3.



Despite the 2.8 percent increase in the overall real GDP⁷, the real GDP per capita declined by 0.8 percent as the growth in GDP was outstripped by a 3.6 percent increase in the estimated mid-year population. The inflation-adjusted per capita GDP (at basic prices) decreased to CI\$44,397.19 in 2015 from CI\$44,734.90 in 2014.

Figure 1 below shows the comparative growth rates of GDP at current and constant basic prices for the period 2007-2015. The graph reflects a growth in GDP at constant prices of 2.8 percent in 2015 following on the 2.2 percent expansion registered in 2014. GDP at current prices grew by 3.2 percent in 2015 albeit at a slower pace than the 4.0 percent recorded in 2014. The graph shows the economy bottoming out in 2009 when the constant price GDP declined by 6.3 percent in the midst of the global recession. The economy has steadily recovered since 2009, returning to positive growth since 2011.



⁷ Real GDP refers to GDP at constant (2007) prices, i.e. the inflation-adjusted GDP

⁸ This represents the growth rate for the entire calculated GDP series which runs from 2006-2015 (the growth rate series would then be 2007-2015). The GDP estimates up to 2006 are based on an indicator method and not direct calculations.



3.2 GDP by industrial origin

The estimated real GDP (at basic prices) for the Cayman Islands grew to CI\$2,621.8 million in 2015 from the CI\$2,549.6 million recorded for 2014. This resulted from growth in all (18) industries. The expansion was primarily led by the growth in mining & quarrying activities, human health & social work services and construction activities. Table 2 below provides a breakdown of real GDP by industry in basic prices. The table also shows the real GDP in purchasers' prices.

CAYMAN ISLAND	S GDP BY I	NDUSTRIAL	ORIGIN		
TABLE 2: GDP AT CONSTANT BA	ASIC & PURCH	IASERS' PRIC	ES, 2007=100	(CI\$'000)	
INDUSTRY	2011	2012	2013 ^R	2014 ^R	2015
01 Agriculture & Fishing	9,081.7	9,179.5	9,338.6	10,106.2	10,371.4
02 Mining & Quarrying	17,826.9	19,297.2	19,234.2	18,009.4	19,529.9
03 Manufacturing	21,632.4	22,468.0	23,105.8	23,449.5	23,535.3
04 Electricity, Gas & Air Conditioning Supply	59,463.3	58,778.5	59,585.4	60,483.2	62,322.3
05 Water Supply, Sewerage & Waste Management	34,209.4	34,616.7	34,217.1	35,402.9	36,290.2
06 Construction	75,256.9	76,088.4	78,246.2	79,880.5	84,723.3
07 Wholesale & Retail Trade	202,236.4	204,935.8	208,002.7	212,494.0	215,837.3
08 Transport & Storage	95,672.9	97,367.0	99,608.5	102,873.9	104,619.9
09 Hotels & Restaurants	136,316.3	140,664.5	143,465.4	149,581.1	151,540.8
10 Information & Communication	113,804.3	115,605.5	114,748.9	114,118.0	116,951.5
11 Financial & Insurance Services	1,023,138.1	1,038,447.8	1,042,573.3	1,051,399.0	1,073,881.1
12 Real Estate Activities	213,330.3	214,484.2	215,888.8	218,319.2	222,265.9
13 Professional, Scientific & Technical Activities	334,150.6	342,757.3	351,796.5	366,548.8	380,169.6
14 Administrative & Support Service Activities	51,158.2	54,045.3	54,394.1	56,423.0	58,350.3
15 Public Administration & Defense	181,715.0	186,107.5	190,590.9	190,910.2	195,834.3
16 Education Services	65,127.2	65,675.1	66,884.9	67,388.0	70,007.6
17 Human Health & Social Work	76,589.7	77,374.7	80,569.3	83,824.3	89,601.2
18 Other Services	76,343.4	78,765.4	79,672.5	83,558.6	84,972.4
Total	2,787,053.0	2,836,658.5	2,871,923.0	2,924,769.8	3,000,804.3
Less: Financial Services Indirectly Measured (FISIM)	359,276.6	378,429.7	377,298.3	375,193.5	378,972.6
GDP at Constant Basic Prices	2,427,776.4	2,458,228.8	2,494,624.7	2,549,576.2	2,621,831.7
Add: Taxes Less Subsidies on Products	164,124.9	165,546.5	162,717.3	176,693.6	177,358.2
GDP at Constant Purchasers' Prices	2,591,901.3	2,623,775.3	2,657,342.0	2,726,269.8	2,799,190.0

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⁹ The classification of the industries is according to the International Standard Industrial Classification of all Economic Activities (ISIC) Revision 4 which is an activity based classification. The detailed ISIC Rev. 4 classification is presented in Appendix 3.



3.3 GDP rates of growth by industry

Table 3 shows the growth rate of real GDP broken down by industry. The local economy recorded a growth of 2.8 percent in 2015 which resulted in a 1.8 percent average annual growth rate over the five-year period (2011-2015). The expansion in the domestic economy in 2015 resulted from growth in both goods-producing industries (5.1%) and service-producing industries (2.5%).

The five-year average annual growth for the goods-producing industries was 1.8 percent on the back of a 5.1 percent increase in 2015. Meanwhile, the service-producing industries posted an annual average growth rate of 1.7 percent over the review period.

CAYMAN ISLAND	S GDP BY	INDUSTR	IAL ORIGI	N		
TABLE 3: RATE OF GROWTH OF GDP A	T CONSTAN	T BASIC &	PURCHASE	RS' PRICES	s, 2007=100	
INDUSTRY	2011	2012	2013 ^R	2014 ^R	2015	5-Year Average
Goods Producing Industries	-2.2%	2.6%	2.3%	1.2%	5.1%	1.8%
01 Agriculture & Fishing	3.6%	1.1%	1.7%	8.2%	2.6%	3.5%
02 Mining & Quarrying	-2.4%	8.2%	-0.3%	-6.4%	8.4%	1.5%
03 Manufacturing	-1.9%	3.9%	2.8%	1.5%	0.4%	1.3%
06 Construction	-2.9%	1.1%	2.8%	2.1%	6.1%	1.8%
Service Producing Industries	1.0%	1.7%	1.2%	1.9%	2.5%	1.7%
04 Electricity, Gas & Air Conditioning Supply	0.4%	-1.2%	1.4%	1.5%	3.0%	1.0%
05 Water Supply, Sewerage & Waste Management	-2.2%	1.2%	-1.2%	3.5%	2.5%	0.8%
07 Wholesale & Retail Trade	1.9%	1.3%	1.5%	2.2%	1.6%	1.7%
08 Transport & Storage	1.1%	1.8%	2.3%	3.3%	1.7%	2.0%
09 Hotels & Restaurants	5.8%	3.2%	2.0%	4.3%	1.3%	3.3%
10 Information & Communication	-0.1%	1.6%	-0.7%	-0.5%	2.5%	0.5%
11 Financial & Insurance Services	0.6%	1.5%	0.4%	0.8%	2.1%	1.1%
12 Real Estate Activities	-0.6%	0.5%	0.7%	1.1%	1.8%	0.7%
13 Professional, Scientific & Technical Activities	2.0%	2.6%	2.6%	4.2%	3.7%	3.0%
14 Administrative & Support Service Activities	1.7%	5.6%	0.6%	3.7%	3.4%	3.0%
15 Public Administration & Defense	0.2%	2.4%	2.4%	0.2%	2.6%	1.6%
16 Education Services	-0.8%	0.8%	1.8%	0.8%	3.9%	1.3%
17 Human Health & Social Work	1.7%	1.0%	4.1%	4.0%	6.9%	3.6%
18 Other Services	0.7%	3.2%	1.2%	4.9%	1.7%	2.3%
Total	0.8%	1.8%	1.2%	1.8%	2.6%	1.7%
Financial Services Indirectly Measured (FISIM)	-1.7%	5.3%	-0.3%	-0.6%	1.0%	0.8%
GDP at Constant Basic Prices	1.2%	1.3%	1.5%	2.2%	2.8%	1.8%
Taxes Less Subsidies on Products	0.7%	0.9%	-1.7%	8.6%	0.4%	1.8%
GDP at Constant Purchasers' Prices	1.2%	1.2%	1.3%	2.6%	2.7%	1.8%

R-revised

Note: Average Annual Growth Rate (AAGR) represents the arithmetic mean of the annual growth rates.



3.3.1 Goods-producing industries

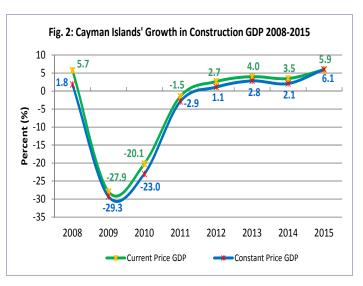
The goods-producing industries registered its fourth consecutive year of growth in 2015, led by the increase in the activities of mining & quarrying and construction. The grouping posted growth of 5.1 percent in 2015 on the back of the 1.2 percent registered for 2014.

The activities of agriculture & fishing continued on its upward trajectory in 2015, growing by 2.6 percent, albeit at a slower pace than 2014 when it grew by 8.2 percent. This reflects the continued favourable performance of the fishing subgroup.

Mining and quarrying posted its highest rate of growth in five years of 8.4 percent. The growth in 2015 reversed two previous years of decline.

In 2015, the manufacturing industry recorded its slowest growth rate in four years of 0.4 percent. Notwithstanding the slower growth rate, the industry registered a five-year average increase of 1.3 percent.

The added value of the construction induistry recorded its fourth successive year of expansion, with a 6.1 percent growth in 2015. The growth in building construction continued to be the main impetus behind the positive performance of the industry, growing by 3.4 percent in 2015 and outpacing the 1.9 percent growth posted in 2014. The continued expansion in 2015 resulted in a five-year annual average growth of 1.8



percent. The graph illustrates the recovery of the industry from the declines experienced in 2009 to 2011. The industry started to grow in 2012 with a 1.1 percent increase and maintained growth rates between 2013 and 2014 of 2.8 percent and 2.1 percent respectively. The sharp upward turn in 2015 (6.1%) represents the highest single year increase, outpacing the previous highest in 2013 (2.8%).



3.3.2 Service-producing industries

In 2015, the service-producing industries recorded their highest combined rate of expansion over the past five years. The growth of 2.5% in 2015 represents the fifth consecutive year of increase since 2011 resulting in a five-year annual average growth of 1.7 percent. The expansion was fuelled by increased activities in all industries. The main activities contributing to the growth were human health & social work; professional scientific & technical activities; administrative & support services; and hotels & restaurants.

The electricity, gas & air conditioning supply industry, in 2015, recorded its highest growth rate in five years of 3.0 percent. This increase outpaced the expansion in 2014 (1.5%) and 2013 (1.4%). This expansion occurred against the background of a 3.1 percent increase in electricity consumption, which moved from 583,736 megawatt hours (Mwhrs) in 2014 to 601,548 Mwhrs in 2015. The increase is attributed to higher commercial and residential electricity consumption.

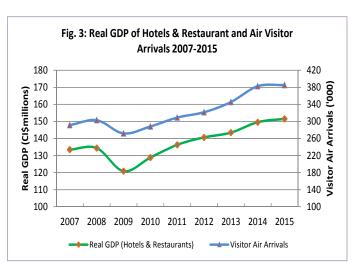
The water supply, sewerage and waste management industry recorded a second consecutive year of increase in 2015 with growth of 2.5 percent. This resulted from an increase in water consumption which moved from 1,650.8 million US gallons in 2014 to 1,718.4 million US gallons in 2015.

Wholesale & retail trade continued on its growth trajectory, with a 1.6 percent increase in 2015. This represented the fifth consecutive year of growth, resulting in a five-year annual average growth rate for the industry of 1.7 percent. The performance of the industry was fuelled by a 3.7 percent increase in the end of year population which moved to 60,413 in 2015 from 58,238 in 2014.

Transport and storage activities continued to grow at a steady pace, expanding further by 1.7 percent in 2015, albeit at a slower rate than in 2014 (3.3%). This also represents the fifth consecutive year of increase resulting in a five-year annual average expansion of 2.0 percent. The positive performance of the industry was fuelled by the 2.8 percent increase in the transport services sub-industry and the 1.3 percent increase in the supporting transport activities group. The contributors to the positive results in transport services were sea transport (5.5%), land transport (2.3%) and air transport services (2.1%). For the third year in a row, the growth in the industry was tempered by declines in post & courier services which declined by 3.2 percent, 5.6 percent and 0.7 percent in 2015, 2014 and 2013 respectively.



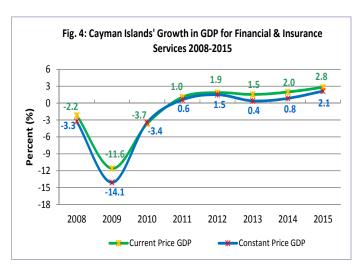
The hotels and restaurants industry grew by 1.3 percent in 2015, the fifth consecutive year of growth. However, the growth was not as robust as the 4.3 percent in 2014 due in part to the that stay-over increased only marginally by 0.7 percent in 2015 compared to the 10.8 percent increase posted in 2014. The number of stay-over visitors moved to 385.4 thousand in 2015 from 382.8 thousand in



2014. Despite the marginal increase in 2015, the industry posted the third largest five-year annual average growth (3.3%) of all industries. Figure 3 illustrates the continued positive relationship between real GDP for the hotels & restaurants industry and the air arrival visitors (i.e. real GDP and visitor arrivals are always trending in a similar direction). The flattening of both series in 2015 along with the parallel movement in previous years is evidence of this positive relationship.

Information and communication activities posted a turn-around in 2015 as it grew by 2.5 percent, from the declines of the previous two years, 2014 (-0.5%) and 2013 (-0.7%). The performance in 2015 led to a positive five-year annual average growth rate of 0.5 percent. The expansion in 2015 is attributed to a 2.5 percent increase in the telecommunications sub-industry.

financial The and insurance services industry posted another year of expansion in 2015. The industry grew by 2.1 percent in 2015, outpacing the 0.8 percent 0.4 percent growth registered for 2014 and 2013 respectively. The industry continued to show signs of recovery, posting a five-year annual average growth rate of 1.1 percent. The performance of the industry emanated from growth



in insurance services (4.0%), auxiliary financial services (2.9%), and services of banking institutions (1.6%). The decline in the activity of other financial institutions inhibited the



overall performance of the industry as the only sub-industry to have contracted in 2015. The sub-industry posted a decline of 4.0 percent, a sharper rate of decline when compared to the 1.6 percent registered for 2014. Figure 4 above provides a graphical display of the performance of the sector over the period 2008-2015. It shows how the industry has grappled with the effects of the global recession and also shows evidence of the continued recovery.

Real estate activities posted its highest growth rate in five years, growing by 1.8 percent in 2015. This also represented the fourth consecutive year of increased activity following growth in 2014 (1.1%), 2013 (0.7%) and 2012 (0.5%) after declining in 2011 by 0.6 percent. The expansion resulted from increases in the activities of renting of residential buildings (3.4%), renting of commercial buildings (3.6%), and other real estate activities, mainly real estate agents and brokers (3.6%). However, the operations of owner-occupied dwellings contracted by 1.0 percent.

The professional, scientific & technical activities industry posted an expansion in real GDP of 3.7 percent in 2015. The industry registered a five-year annual average growth of 3.0 percent, resulting from growth being posted for each year in the period under review. The performance in 2015 was attributed to the increase in the value added of accounting services (4.5%) and legal services (2.8%).

Administrative & support service activities registered a growth of 3.4 percent in 2015, representing the fifth consecutive year of growth. The performance of the industry continues to be dominated by security activities which grew by 4.0 percent in 2015, and by car rental services, although this group grew at a comparatively low rate of 0.9 percent in the same period.

Public administration & defence activities posted its highest increase in over five years (2.6%) which also resulted in a five-year annual average growth of 1.6 percent. The stronger rate of expansion was due to a 1.1 percent increase in the number of government employees and the 4.0 percent salary increase which started in July 2015. The number of core government employees increased to 3,591 in 2015 from 3,553 in 2014.

The increase in the output of education services in 2015 (3.9%) represents the largest annual increase in five years. This eclipsed the growth rates recorded for 2014 (0.8%), 2013 (1.8%) and 2012 (0.8%). This signals the continued recovery of the industry from the 0.8 percent decline posted in 2011 resulting in a five-year annual average growth of 1.3 percent. Contributing to the positive performance was the growth in both the public and private education sub-industries of 5.3 percent and 1.3 percent respectively.



The human health and social work industry recorded the highest growth rate among the service-producing industries in 2015 (6.9%). This also represents the fifth consecutive year of expansion resulting in the industry having the highest five-year annual average growth of all industries (3.6%). Private health services continued to provide the main impetus, growing by 9.1 percent in 2015. The increased activity of the new entrants in this sub-group fuelled the performance of the industry as a whole. Public health & social work also contributed with a growth of 5.8 percent.

The value added of other services grew by 1.7 percent in 2015, albeit slower compared to the 4.9 percent recorded in 2014. The entertainment and recreation sub-industry led the way with a 2.2 percent growth. This resulted from increased activities in diving and related activities (which is directly impacted by the growth in stay-over visitors) which grew by 2.0 percent. Activities of private households with employed persons also contributed, growing by 0.7 percent.

In summary, the Cayman Islands' economy in 2015 recorded its highest rate of expansion since it emerged from the global economic recession. The 2.8 percent achieved in 2015 outpaced the 2.2 percent posted in 2014 as the domestic economy continued on a path of recovery. The favourable performance in 2015 resulted in a five-year annual average growth rate of 1.8 percent. The domestic demand conditions were buoyed by a lower unemployment rate and consumer prices (mainly due to lower oil prices). These factors led to a general increase in disposable income and by extension an increase in consumer and business spending.



3.4 Contribution to GDP by industry

Table 4 shows the industries classified as goods-producing and service-producing. In 2015, there was a marginal increase in the combined share of the goods-producing industries, the first time in four years, moving to 5.3 percent from 5.2 percent in 2014. This was influenced by the rise in the share of construction activities. The decline in the share of the services-producing industries resulted from the marginal decline in the share of financial and insurance services, activities of hotels & restaurants, wholesale & retail activities, real estate activities and other services. The decline was tempered by the increased share of professional, scientific and technical activities and education services.

CAYMAN ISLANDS GI	OP BY IND	USTRIAL (ORIGIN		
TABLE 4: INDUSTRY CONTRIBUTION TO	GDP AT CO	ONSTANT B	ASIC PRICE	S, 2007=100)
INDUSTRY	2011	2012	2013 ^R	2014 ^R	2015
Goods Producing Industries	5.1%	5.2%	5.2%	5.2%	5.3%
01 Agriculture & Fishing	0.4%	0.4%	0.4%	0.4%	0.4%
02 Mining & Quarrying	0.7%	0.8%	0.8%	0.7%	0.7%
03 Manufacturing	0.9%	0.9%	0.9%	0.9%	0.9%
06 Construction	3.1%	3.1%	3.1%	3.1%	3.2%
Service Producing Industries	94.9%	94.8%	94.8%	94.8%	94.7%
04 Electricity, Gas & Air Conditioning Supply	2.4%	2.4%	2.4%	2.4%	2.4%
05 Water Supply, Sewerage & Waste Management	1.4%	1.4%	1.4%	1.4%	1.4%
07 Wholesale & Retail Trade	8.3%	8.3%	8.3%	8.3%	8.2%
08 Transport & Storage	3.9%	4.0%	4.0%	4.0%	4.0%
09 Hotels & Restaurants	5.6%	5.7%	5.8%	5.9%	5.8%
10 Information & Communication	4.7%	4.7%	4.6%	4.5%	4.5%
11 Financial & Insurance Services	42.1%	42.2%	41.8%	41.2%	41.0%
12 Real Estate Activities	8.8%	8.7%	8.7%	8.6%	8.5%
13 Professional, Scientific & Technical Activities	13.8%	13.9%	14.1%	14.4%	14.5%
14 Administrative & Support Service Activities	2.1%	2.2%	2.2%	2.2%	2.2%
15 Public Administration & Defense	7.5%	7.6%	7.6%	7.5%	7.5%
16 Education Services	2.7%	2.7%	2.7%	2.6%	2.7%
17 Human Health & Social Work	3.2%	3.1%	3.2%	3.3%	3.4%
18 Other Services	3.1%	3.2%	3.2%	3.3%	3.2%
Less: Financial Services Indirectly Measured (FISIM)	14.8%	15.4%	15.1%	14.7%	14.5%
GDP at Constant Basic Prices	100.0%	100.0%	100.0%	100.0%	100.0%

R-revised



An examination of the contribution of the various industries to the domestic economy is useful in discerning their relative ranking. Table 5 below shows the contribution of the eighteen (18) industries as well as their ranking over the period under review. The rankings reflect the relative importance of an industry (as it pertains to contribution to real GDP) to the Cayman Islands' economy. The relative ranking of the industries remained unchanged in 2015 when compared to 2014 despite changes in the individual contribution of nine (9) of the eighteen (18) industries. Of the nine industries registering a change in their contribution, four registered increases while five posted declines.

		TA	BLE 5:	INDUS	TRY CONTRIBUTION TO GDP AT CONSTANT BASIC	PRICE	S, 2007:	=100			
	F	Ranking	3		INDUSTRY	(% Contr	ibution	to GDP		
2011	2012	2013	2014	2015	INDUSTRY	2011	2012	2013	2014	2015	
1	1	1	1	1	Financial & Insurance Services	42.1	42.2	41.8	41.2	41.0	
2	2	2	2	2	Professional, Scientific & Technical Activities	13.8	13.9	14.1	14.4	14.5	
3	3	3	3	3	Real Estate Activities	8.8	8.7	8.7	8.6	8.5	
4	4	4	4	4	Wholesale & Retail Trade	olesale & Retail Trade 8.3					
5	5	5	5	5	Public Administration & Defense	7.6	7.5	7.5			
6	6	6	6	6	Hotels & Restaurants	5.6	5.7	5.8	5.9	5.8	
7	7	7	7	7	Information & Communication	4.7	4.7	4.6	4.5	4.5	
8	8	8	8	8	Transport & Storage	3.9	4.0	4.0	4.0	4.0	
9	10	9	9	9	Human Health & Social Work	3.2	3.1	3.2	3.3	3.4	
10	9	10	10	10	Other Services	3.1	3.2	3.2	3.3	3.2	
11	11	11	11	11	Construction	3.1	3.1	3.1	3.1	3.2	
12	12	12	12	12	Education Services	2.7	2.7	2.7	2.6	2.7	
13	13	13	13	13	Electricity, Gas & Air Conditioning Supply	2.4	2.4	2.4	2.4	2.4	
14	14	14	14	14	Administrative & Support Service Activities	2.1	2.2	2.2	2.2	2.2	
15	15	15	15	15	Water Supply, Sewerage & Waste Management	1.4	1.4	1.4	1.4	1.4	
16	16	16	16	16	Manufacturing	0.9	0.9	0.9	0.9	0.9	
17	17	17	17	17	Mining & Quarrying	0.7	0.8	0.8	0.7	0.7	
18	18	18	18	18	Agriculture & Fishing	0.4	0.4	0.4	0.4	0.4	
					Less: Financial Services Indirectly Measured (FISIM)	14.8	15.4	15.1	14.7	14.5	
					GDP at Constant Basic Prices	100.0	100.0	100.0	100.0	100.0	

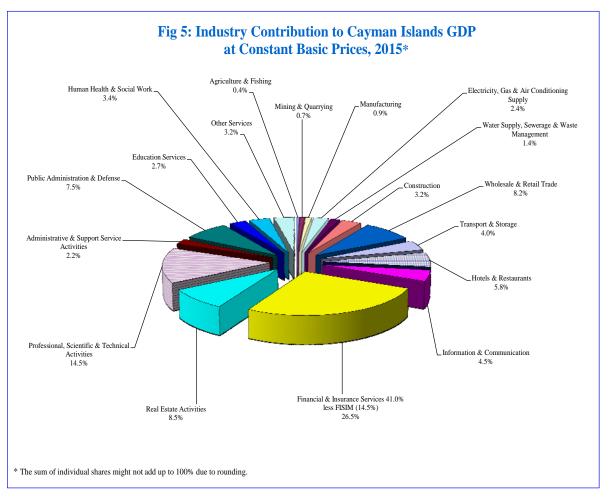
The contribution to real GDP of financial and insurance services declined to 41.0 percent in 2015 from the 41.2 percent in 2014. This represents the third consecutive year of decline. Despite the decline in the absolute share of 0.2 percentage points in 2015, this represented a lower rate of contraction compared to 2014 which had a decline in the share of 0.6 percentage points.



The professional, scientific & technical activities industry continued to increase its share of real GDP and maintained its position as the second largest contributor. While marginal, the industry's contribution further increased to 14.5 percent in 2015 from the 14.4 percent recorded in 2014. The performance of this industry is primarily attributed to legal and accounting services which continued to experience increased activity with the recovery of financial and insurance activities.

Other significant contributions to real GDP in 2015 came from real estate activities (8.5%) notwithstanding a second successive year of decline from the 8.7 percent in 2013 and 8.6 percent in 2014. The share of wholesale & retail trade declined to 8.2 percent in 2015 from 8.3 percent in 2014. The public administration & defence industry maintained a 7.5 percent share in 2015. Hotel & restaurant activities remained the sixth largest contributor to total real GDP despite falling to 5.8 percent in 2015 from 5.9 percent in 2014, reflecting the declining rate of growth in the stay-over segment of tourism activity.

Construction increased its share to 3.2 percent in 2015 maintaining its eleventh place, after four years of holding firm at 3.1 percent.





3.5 Industry GDP at Current Prices

CAYMAN ISLAN	NDS GDP BY	INDUSTRIAL	ORIGIN		
TABLE 6: GDP AT CURR	ENT BASIC & F	PURCHASERS'	PRICES (CI\$'00	00)	
INDUSTRY	2011	2012	2013 ^R	2014 ^R	2015
01 Agriculture & Fishing	9,226.4	9,533.3	9,677.5	10,696.8	11,375.4
02 Mining & Quarrying	18,624.3	19,991.1	20,271.5	19,019.4	20,018.3
03 Manufacturing	23,281.9	24,417.9	25,375.8	26,021.7	26,153.9
04 Electricity, Gas & Air Conditioning Supply	55,235.1	55,729.5	59,735.0	58,284.2	60,095.0
05 Water Supply, Sewerage & Waste Management	33,414.7	35,696.2	34,148.7	35,801.8	37,825.5
06 Construction	83,860.4	86,086.2	89,531.9	92,656.0	98,124.5
07 Wholesale & Retail Trade	211,591.2	218,529.9	224,231.6	233,577.7	236,783.4
08 Transport & Storage	100,699.4	103,323.0	107,781.6	117,793.8	124,275.4
09 Hotels & Restaurants	147,805.7	156,076.9	168,938.6	184,988.0	192,184.0
10 Information & Communication	101,676.9	102,346.5	100,889.3	104,430.3	107,510.3
11 Financial & Insurance Services	1,067,176.9	1,087,112.7	1,103,797.2	1,125,567.8	1,157,200.0
12 Real Estate Activities	220,588.8	223,219.2	222,118.8	225,721.9	225,633.1
13 Professional, Scientific & Technical Activities	346,434.6	362,030.6	375,436.4	396,977.2	411,441.2
14 Administrative & Support Service Activities	53,540.0	56,540.2	57,014.6	59,801.6	61,289.2
15 Public Administration & Defense	179,069.2	187,210.0	189,665.4	193,862.6	203,050.5
16 Education Services	67,132.3	68,379.7	71,002.6	72,459.3	77,937.5
17 Human Health & Social Work	79,917.5	84,140.7	89,927.4	93,173.0	101,767.2
18 Other Services	80,105.2	83,953.4	88,131.2	94,990.0	96,599.8
Total	2,879,380.4	2,964,317.0	3,037,674.9	3,145,823.1	3,249,264.1
Less: Financial Services Indirectly Measured (FISIM)	360,124.8	388,932.1	388,611.3	390,540.3	404,784.1
GDP at Current Basic Prices	2,519,255.6	2,575,384.8	2,649,063.7	2,755,282.8	2,844,480.0
Add: Taxes Less Subsidies on Products	193,406.0	201,003.2	203,289.8	220,599.2	217,042.6
GDP at Current Purchasers' Prices	2,712,661.6	2,776,388.0	2,852,353.5	2,975,882.0	3,061,522.6

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3.6 Detailed Value Added by Industry

Table 7: DETAILED VALUE ADDED BY INDUSTRY		CURREN	IT/NOMINAL	(CI\$'000)			CONST	ANT/REAL (C	CI\$'000)	
INDUSTRY	2011	2012	2013 ^R	2014 ^R	2015	2011	2012	2013 ^R	2014 ^R	2015
AGRICULTURE & FISHING	9,226.4	9,533.3	9,677.5	10,696.8	11,375.4	9,081.7	9,179.5	9,338.6	10,106.2	10,371.4
Growing of Agricultural Crops	5,385.1	5,520.1	6,006.5	6,604.4	6,676.9	5,382.8	5,440.1	5,758.5	6,170.1	6,178.1
Farming of Animals	1,114.0	1,004.7	1,002.0	992.1	995.0	971.7	901.8	902.8	805.7	762.5
Capture Fishing	2,727.3	3,008.5	2,669.1	3,100.3	3,703.5	2,727.3	2,837.7	2,677.3	3,130.3	3,430.8
MINING & QUARRYING	18,624.3	19,991.1	20,271.5	19,019.4	20,018.3	17,826.9	19,297.2	19,234.2	18,009.4	19,529.9
Quarrying incl. Stone, Sand and Gravel	18,624.3	19,991.1	20,271.5	19,019.4	20,018.3	17,826.9	19,297.2	19,234.2	18,009.4	19,529.9
MANUFACTURING	23,281.9	24,417.9	25,375.8	26,021.7	26,153.9	21,632.4	22,468.0	23,105.8	23,449.5	23,535.3
Food Products, Beverages and Tobacco Products	11,754.7	12,333.1	12,518.4	13,073.8	13,321.7	10,421.7	10,792.5	10,890.1	11,107.0	11,168.9
Builders' Carpentry and Joinery, incl. Furniture and Rubber and										
Plastic Product	2,238.3	2,443.8	2,838.3	2,871.3	2,802.7	2,184.8	2,383.2	2,742.1	2,922.8	2,763.1
Non-Metallic Mineral Products (incl. Glass and Glass Products, Concrete, Cement)	2,185.4	2,412.5	2,625.0	2,949.7	2,819.6	2,103.1	2,294.8	2,419.3	2,511.3	2,568.7
Basic Metals, Fabricated Metal Products, Machinery &	2,100.4	2,412.3	2,020.0	2,949.7	2,019.0	2,103.1	2,294.0	2,419.3	2,311.3	2,300.7
Equipment	3,705.0	3,729.5	3,779.3	3,689.6	3,825.6	3,616.7	3,664.2	3,719.3	3,786.9	3,915.7
Other Manufacturing Goods n.e.c.	3,398.5	3,499.1	3,614.9	3,437.4	3,384.3	3,306.1	3,333.3	3,335.1	3,121.4	3,118.9
ELECTRICITY, GAS & AIR CONDITIONING SUPPLY	55,235.1	55,729.5	59,735.0	58,284.2	60,095.0	59,463.3	58,778.5	59,585.4	60,483.2	62,322.3
Production, Collection and Distribution of Electricity and the										
Manufacture of Ice	55,235.1	55,729.5	59,735.0	58,284.2	60,095.0	59,463.3	58,778.5	59,585.4	60,483.2	62,322.3
WATER SUPPLY, SEWERAGE & WASTE MANAGEMENT	33,414.7	35,696.2	34,148.7	35,801.8	37,825.5	34,209.4	34,616.7	34,217.1	35,402.9	36,290.2
Water Collection, Treatment and Distribution, Sewerage and										
Waste Collection	33,414.7	35,696.2	34,148.7	35,801.8	37,825.5	34,209.4	34,616.7	34,217.1	35,402.9	36,290.2
CONSTRUCTION	83,860.4	86,086.2	89,531.9	92,656.0	98,124.5	75,256.9	76,088.4	78,246.2	79,880.5	84,723.3
Construction (incl building installation, building completion, etc.)	83,860.4	86,086.2	89,531.9	92,656.0	98,124.5	75,256.9	76,088.4	78,246.2	79,880.5	84,723.3
WHOLESALE & RETAIL TRADE	211,591.2	218,529.9	224,231.6	233,577.7	236,783.4	202,236.4	204,935.8	208,002.7	212,494.0	215,837.3
Wholesale & Retail Trade	211,591.2	218,529.9	224,231.6	233,577.7	236,783.4	202,236.4	204,935.8	208,002.7	212,494.0	215,837.3
TRANSPORT & STORAGE	100,699.4	103,323.0	107,781.6	117,793.8	124,275.4	95,672.9	97,367.0	99,608.5	102,873.9	104,619.9
Transport	40,188.6	41,394.5	43,983.5	47,809.8	51,478.1	41,212.3	42,058.9	43,452.7	44,890.2	46,135.7
Supporting Activities for Transport (incl Cargo)	53,781.7	55,002.4	56,785.0	63,291.9	66,393.5	48,401.5	49,170.0	50,059.7	52,231.5	52,916.9
Post and Courier Activities	6,729.2	6,926.1	7,013.1	6,692.2	6,403.9	6,059.1	6,138.2	6,096.2	5,752.2	5,567.3
HOTELS & RESTAURANTS	147,805.7	156,076.9	168,938.6	184,988.0	192,184.0	136,316.3	140,664.5	143,465.4	149,581.1	151,540.8
Hotels & Other Short-Term Accommodations Activities	102,104.2	109,114.2	120,944.7	134,532.0	139,915.6	95,402.9	99,430.3	101,996.2	106,336.4	107,386.4
Restaurants, Bars & Other Food Service Activities	45,701.5	46,962.6	47,993.9	50,456.0	52,268.4	40,913.4	41,234.1	41,469.3	43,244.7	44,154.4
INFORMATION & COMMUNICATION	101,676.9	102,346.5	100,889.3	104,430.3	107,510.3	113,804.3	115,605.5	114,748.9	114,118.0	116,951.5
Motion Picture Projection, Radio & TV Programming and	. ,	. ,	,	. ,	. ,	.,	:,::::0	,	,	.,
Broadcasting and Telecommunications Activities	77,323.3	77,214.3	76,205.7	78,437.2	81,044.8	89,818.8	90,552.4	89,731.8	87,708.4	89,989.7
Publishing, Printing and Computer & Data Processing Services	24,353.6	25,132.2	24,683.6	25,993.0	26,465.5	23,985.5	25,053.1	25,017.0	26,409.6	26,961.9



Table 7 cont'd: DETAILED VALUE ADDED BY INDUSTRY		CURRE	IT/NOMINAL	(CI\$'000)			CONST	TANT/REAL (CI\$'000)	
INDUSTRY	2011	2012	2013 ^R	2014 ^R	2015	2011	2012	2013 ^R	2014 ^R	2015
FINANCIAL & INSURANCE SERVICES	1,067,176.9	1,087,112.7	1,103,797.2	1,125,567.8	1,157,200.0	1,023,138.1	1,038,447.8	1,042,573.3	1,051,399.0	1,073,881.1
Monetary Institutions (incl. CIMA)	623,720.3	629,242.5	641,327.5	649,346.1	666,657.4	562,951.8	568,837.9	572,639.4	575,965.7	584,964.6
Other Financial Institutions & Financial Services	242,890.7	248,205.6	250,263.4	258,798.0	263,169.4	253,371.3	256,187.9	256,236.7	259,385.8	264,175.7
Insurance, Pension Funding (incl. Auxiliary Activities)	200,565.9	209,664.6	212,206.3	217,423.7	227,373.1	206,814.9	213,422.0	213,697.2	216,047.6	224,740.8
REAL ESTATE ACTIVITIES	220,588.8	223,219.2	222,118.8	225,721.9	225,633.1	213,330.3	214,484.2	215,888.8	218,319.2	222,265.9
Operating of Owner-Occupied Dwellings	81,283.6	81,805.6	83,140.6	82,094.0	77,203.6	80,105.7	81,070.0	82,843.1	83,718.5	82,923.1
Renting of Residential Buildings	58,607.3	59,959.7	57,834.0	60,037.6	63,033.3	57,628.7	57,763.1	57,479.5	58,086.9	60,076.3
Renting of Commercial Buildings	58,431.5	58,025.2	56,756.8	58,458.8	59,424.8	53,073.8	52,378.1	51,447.7	51,731.9	53,602.3
Other Real Estate Activities	22,266.4	23,428.8	24,387.3	25,131.5	25,971.4	22,522.2	23,273.0	24,118.5	24,781.9	25,664.2
PROFESSIONAL, SCIENTIFIC & TECHNICAL ACTIVITIES	346,434.6	362,030.6	375,436.4	396,977.2	411,441.2	334,150.6	342,757.3	351,796.5	366,548.8	380,169.6
Legal Activities	148,232.1	152,058.0	154,535.2	163,137.7	168,348.5	138,752.9	140,011.1	140,492.4	147,876.6	152,013.5
Accounting & Auditing Activities	112,089.3	117,360.6	124,847.8	131,259.0	133,711.7	111,718.7	115,428.1	121,036.3	123,735.8	129,283.8
Other Professional, Scientific & Technical Activities	86,113.2	92,612.0	96,053.4	102,580.5	109,381.0	83,679.0	87,318.1	90,267.8	94,936.4	98,872.4
ADMINISTRATIVE & SUPPORT SERVICE ACTIVITIES	53,540.0	56,540.2	57,014.6	59,801.6	61,289.2	51,158.2	54,045.3	54,394.1	56,423.0	58,350.3
Administrative and Support Service to Businesses (incl.										
Renting of Machinery & Equipment)	53,540.0	56,540.2	57,014.6	59,801.6	61,289.2	51,158.2	54,045.3	54,394.1	56,423.0	58,350.3
PUBLIC ADMINISTRATION & DEFENSE	179,069.2	187,210.0	189,665.4	193,862.6	203,050.5	181,715.0	186,107.5	190,590.9	190,910.2	195,834.3
Public Administration and Defense	179,069.2	187,210.0	189,665.4	193,862.6	203,050.5	181,715.0	186,107.5	190,590.9	190,910.2	195,834.3
EDUCATION SERVICES	67,132.3	68,379.7	71,002.6	72,459.3	77,937.5	65,127.2	65,675.1	66,884.9	67,388.0	70,007.6
Public Education	43,299.4	43,365.5	43,634.8	44,208.8	47,937.5	42,883.5	42,980.9	43,278.8	43,442.1	45,746.3
Private Education	23,832.9	25,014.2	27,367.7	28,250.5	30,000.0	22,243.7	22,694.2	23,606.1	23,946.0	24,261.3
HUMAN HEALTH & SOCIAL WORK	79,917.5	84,140.7	89,927.4	93,173.0	101,767.2	76,589.7	77,374.7	80,569.3	83,824.3	89,601.2
Public Health and Social Services	56,769.3	59,213.2	62,601.2	63,995.6	70,046.0	54,248.2	53,781.6	55,142.6	56,270.0	59,530.5
Private Health & Social Services	23,148.2	24,927.5	27,326.2	29,177.4	31,721.2	22,341.6	23,593.1	25,426.7	27,554.3	30,070.8
OTHER SERVICES	80,105.2	83,953.4	88,131.2	94,990.0	96,599.8	76,343.4	78,765.4	79,672.5	83,558.6	84,972.4
Private Arts, Entertainment & Recreation	27,884.5	29,774.6	30,797.1	32,698.1	32,723.4	25,513.7	26,903.1	27,357.1	28,731.5	29,376.8
Personal & Household Services (incl. Activities of Membership		_0,,,,,,,	55,101.1	0=,000.1	0=,1=0.7	_0,010.7	_0,000.1		_0,101.0	_0,010.0
Organization)	30,589.3	31,221.2	32,608.8	33,797.2	34,851.3	29,309.6	29,303.7	29,732.9	30,945.1	31,552.0
Private Households with Employed Persons	21,631.3	22,957.6	24,725.2	28,494.7	29,025.1	21,520.0	22,558.6	22,582.5	23,882.0	24,043.7
FINANCIAL SERVICES Indirectly Measured (FISIM)	360,124.8	388,932.1	388,611.3	390,540.3	404,784.1	359,276.6	378,429.7	377,298.3	375,193.5	378,972.6
VALUE ADDED/GDP AT BASIC PRICES	2,519,255.6	2,575,384.8	2,649,063.7	2,755,282.8	2,844,480.0	2,427,776.4	2,458,228.8	2,494,624.7	2,549,576.2	2,621,831.7
TAXES LESS SUBSIDIES ON PRODUCTS	193,406.0	201,003.2	203,289.8	220,599.2	217,042.6	164,124.9	165,546.5	162,717.3	176,693.6	177,358.2
GROSS DOMESTIC PRODUCTS AT PURCHASERS' PRICES	2,712,661.6	2,776,388.0	2,852,353.5	2,975,882.0	3,061,522.6	2,591,901.3	2,623,775.3	2,657,342.0	2,726,269.8	2,799,190.0

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3.7 Implicit Price Index by Industry

The GDP Implicit Price Index (IPI) is an indicator for price inflation calculated by dividing the current price GDP (nominal GDP) by the constant price GDP (Real GDP). This index measures the implicit prices of all goods and services included in the GDP for the economy. It is used to gauge the inflationary tendency in the economy similar to the Consumer Price Index (CPI) and the Producer Price Index (PPI) but is the broadest measure of the price level of the three. The IPI is derived indirectly from the estimates of GDP in constant and current prices unlike the CPI or PPI which are derived directly from the collected price data for the items included in the index.

Table 8 below shows the IPI by industry for the Cayman Islands for the period 2007-2015. This IPI by industry provides information on the inflationary tendency at the industry level. The interpretation of the table is to show how prices have moved year over year or relative to the base. The inflation rate using the GDP IPI is derived as the percentage change in the index from one period to the next. The IPI for the base year (in this case 2007) is equal to 100.

CAYMAN ISL	ANDS GI	ROSS DO	OMESTIC	C (GDP)	TABLES				
TABLE 8: G				, ,					
INDUSTRY	2007	2008	2009	2010	2011	2012	2013	2014	2015
01 Agriculture & Fishing	100.0	100.5	100.6	100.6	101.6	103.9	103.6	105.8	109.7
02 Mining & Quarrying	100.0	105.2	110.0	111.1	104.5	103.6	105.4	105.6	102.5
03 Manufacturing	100.0	102.6	101.3	105.3	107.6	108.7	109.8	111.0	111.1
04 Electricity, Gas & Air Conditioning Supply	100.0	80.3	86.6	92.1	92.9	94.8	100.3	96.4	96.4
05 Water Supply, Sewerage & Waste Management	100.0	94.6	95.3	102.5	97.7	103.1	99.8	101.1	104.2
06 Construction	100.0	103.9	105.9	109.8	111.4	113.1	114.4	116.0	115.8
07 Wholesale & Retail Trade	100.0	99.3	101.9	102.4	104.6	106.6	107.8	109.9	109.7
08 Transport & Storage	100.0	103.9	102.7	104.4	105.3	106.1	108.2	114.5	118.8
09 Hotels & Restaurants	100.0	103.8	107.6	106.7	108.4	111.0	117.8	123.7	126.8
10 Information & Communication	100.0	97.1	92.6	89.5	89.3	88.5	87.9	91.5	91.9
11 Financial & Insurance Services	100.0	101.1	104.1	103.8	104.3	104.7	105.9	107.1	107.8
12 Real Estate Activities	100.0	103.9	102.3	101.7	103.4	104.1	102.9	103.4	101.5
13 Professional, Scientific & Technical Activities	100.0	102.7	103.1	103.4	103.7	105.6	106.7	108.3	108.2
14 Administrative & Support Service Activities	100.0	102.4	103.0	104.4	104.7	104.6	104.8	106.0	105.0
15 Public Administration & Defense	100.0	102.1	101.1	99.5	98.5	100.6	99.5	101.5	103.7
16 Education Services	100.0	103.3	103.8	103.9	103.1	104.1	106.2	107.5	111.3
17 Human Health & Social Work	100.0	96.6	97.2	100.3	104.3	108.7	111.6	111.2	113.6
18 Other Services	100.0	104.3	103.9	104.7	104.9	106.6	110.6	113.7	113.7
Total	100.0	101.2	102.5	102.7	103.3	104.5	105.8	107.6	108.3
Less: Financial Services Indirectly Measured (FISIM)	100.0	102.1	101.6	100.2	100.2	102.8	103.0	104.1	106.8
GDP Implicit Deflator at Basic Prices	100.0	101.0	102.6	103.1	103.8	104.8	106.2	108.1	108.5
Add: Taxes Less Subsidies on Products	100.0	104.1	103.3	106.5	117.8	121.4	124.9	124.8	122.4
GDP Implicit Deflator at Purchasers' Prices	100.0	101.3	102.6	103.3	104.7	105.8	107.3	109.2	109.4
GDP IPI (Basic Prices) percentage change	3.2%	1.0%	1.5%	0.5%	0.7%	1.0%	1.4%	1.8%	0.4%
GDP IPI (Purchasers' Prices) percentage change	3.3%	1.3%	1.4%	0.6%	1.3%	1.1%	1.4%	1.7%	0.2%
CPI percentage change	2.9%	4.1%	-1.5%	0.3%	1.3%	1.2%	2.2%	1.3%	-2.3%



3.8 Production and Cost Components of Value Added by Industry

Table 9 below shows the production components (gross value added, gross output and intermediate consumption) and cost components (compensation of employees, consumption of fixed capital, operating surplus and other net taxes on production) by industry. Gross output is defined as the total value of goods and services produced by an establishment (basically sales). Gross output can be used by businesses to gauge their market share in a particular industry. Intermediate consumption refers to the goods and services that are used up in the production process, excluding fixed assets as its consumption is recorded as consumption of fixed capital. The gross value added is the excess of the gross output over the intermediate consumption. GDP via the production approach is the sum of the value added of all entities operating in the economy.

	CAYMAN ISL	ANDS GDP	BY INDUST	RIAL ORIGIN			
TABLE 9: PRODUCTION AND COST CO	OMPONENTS (OF VALUE AI	DDED AT CURR	ENT BASIC & PU	RCHASERS' PRI	CES 2015 (CI\$'0	00)
	Produ	uction Comp	onents		Cost/Income	Components	
INDUSTRY	Gross Value Added ^{1, 1a, 1b}	Gross Output	Intermediate Consumption	Compensation of Employees	Operating Surplus/Mixed Income	Consumption of Fixed Capital ²	Taxes less Subsidies on Production
01 Agriculture & Fishing	11,375.4	20,756.2	9,380.8	4,835.2	5,486.9	661.6	391.7
02 Mining & Quarrying	20,018.3	35,055.9	15,037.6	11,751.8	5,814.4	2,303.0	149.2
03 Manufacturing	26,153.9	45,492.0	19,338.0	12,548.2	11,861.2	1,386.5	358.0
04 Electricity, Gas & Air Conditioning Supply	60,095.0	168,340.9	108,245.9	12,305.5	23,872.7	22,235.2	1,681.7
05 Water Supply, Sewerage & Waste Management	37,825.5	71,158.0	33,332.5	19,753.6	12,361.3	5,536.9	173.8
06 Construction	98,124.5	255,511.7	157,387.2	53,830.9	39,568.4	2,385.8	2,339.4
07 Wholesale & Retail Trade	236,783.4	346,542.6	109,759.2	115,711.1	90,989.6	24,029.5	6,053.3
08 Transport & Storage	124,275.4	215,091.9	90,816.5	76,081.8	36,654.7	10,762.3	776.6
09 Hotels & Restaurants	192,184.0	342,980.4	150,796.4	90,029.0	92,899.4	7,906.1	1,349.5
10 Information & Communication	107,510.3	185,424.8	77,914.4	45,800.4	31,517.0	21,656.1	8,536.8
11 Financial & Insurance Services	1,157,200.0	1,653,369.0	496,169.1	358,374.9	545,033.2	27,570.1	226,221.8
12 Real Estate Activities	225,633.1	369,464.6	143,831.4	35,315.5	157,693.6	20,368.5	12,255.4
13 Professional, Scientific & Technical Activities	411,441.2	564,476.9	153,035.7	252,503.4	132,473.0	7,599.7	18,865.2
14 Administrative & Support Service Activities	61,289.2	87,515.9	26,226.7	51,109.4	2,869.8	5,525.0	1,785.0
15 Public Administration & Defense	203,050.5	293,251.3	90,200.8	179,801.9	0.0	10,715.1	26.5
16 Education Services	77,937.5	101,067.9	23,130.4	66,804.4	4,793.5	6,276.4	63.3
17 Human Health & Social Work	101,767.2	144,815.6	43,048.4	90,546.6	6,490.3	4,451.5	278.7
18 Other Services	96,599.8	150,083.2	53,483.4	56,790.4	45,225.0	6,621.1	470.2
Total	3,249,264.1	5,050,398.7	1,801,134.6	1,533,894.0	1,245,604.0	187,990.1	281,776.1
Less: Financial Services Indirectly Measured (FISIM)	404,784.1						
GDP at Current Basic Prices	2,844,480.0						
Add: Taxes Less Subsidies on Products	217,042.6						
GDP at Current Purchasers' Prices	3,061,522.6						

Notes

^{1.} Discrepancies between the total and the sum of the components are due to rounding

¹a. Gross Value Added (Production) = Gross Output - Intermediate Consumption

¹b. Gross Value Added (Income) = Compensation of Employees + Operating Surplus/Mixed income + Consumption of Fixed Capital + Taxes less Subsidies on Production

^{2.} Accounting depreciation is used as a proxy for Consumption of Fixed Capital



4. GROSS DOMESTIC PRODUCT ESTIMATES-THE INCOME APPROACH

4.1 GDP and Rate of Growth of GDP at Purchasers' Prices by Income

The Cayman Islands' Gross Domestic Product (GDP) at current purchasers' prices for 2015 stood at CI\$3,061.5 million. The components of GDP by type of income and their rates of growth are shown in Tables 10a and 10b below.

Table 10a: GROSS DOMESTIC PRODUCT (GDP) BY INCOME AT CURRENT PRICES (CI\$'000)						
Type of Income	2010	2011	2012	2013 ^R	2014 ^R	2015
Compensation of Employees	1,358,148.3	1,378,493.5	1,418,280.9	1,442,485.8	1,480,652.6	1,533,894.0
Operating Surplus\Mixed Income	760,284.0	777,408.3	788,240.1	765,667.2	801,860.0	840,819.9
Consumption of Fixed Capital	174,355.6	172,184.2	175,058.9	178,012.8	186,876.0	187,990.1
Taxes less Subsidies on Production and Imports	353,544.3	384,575.6	394,808.2	466,187.7	506,493.4	498,818.6
Gross Domestic Product at Purchasers' Prices	2,646,332.1	2,712,661.6	2,776,388.0	2,852,353.5	2,975,882.0	3,061,522.6

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Table 10b: PERCENTAGE GROWTH of GDP BY INCOME AT CURRENT PURCHASERS' PRICES							
Type of Income	Percentage Growth						
	2010	2011	2012	2013 ^R	2014 ^R	2015	
Compensation of Employees	(2.8)	1.5	2.9	1.7	2.6	3.6	
Operating Surplus\Mixed Income	(4.2)	2.3	1.4	(2.9)	4.7	4.9	
Consumption of Fixed Capital	0.1	(1.2)	1.7	1.7	5.0	0.6	
Taxes less Subsidies on Production and Imports	4.4	8.8	2.7	18.1	8.6	(1.5)	
Gross Domestic Product at Purchasers' Prices	(2.1)	2.5	2.3	2.7	4.3	2.9	

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Total GDP at current purchasers' prices posted another year of expansion in 2015, albeit at a slower rate than 2014. Purchasers' price GDP grew by 2.9 percent in 2015 after growing by 4.3 percent in 2014 (see Table 10b above). Most income components increased in 2015 led by operating surplus/mixed income (4.9%), followed by compensation of employees (3.6%) and consumption of fixed capital (0.6%). The only income component that declined in 2015 was taxes less subsidies (net taxes) on production and imports, which fell by 1.5 percent.

Total compensation of employees¹⁰ amounted to CI\$1,533.9 million in 2015, an increase of 3.6 percent when compared 2014. This represents continued acceleration when compared to the 1.7 percent and 2.6 percent growth posted in 2013 and 2014 respectively. The growth in total compensation in 2015 reflects the 3.8 percent increase in the number of employed persons which moved to 39,138 from 37,723 in 2014.

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¹⁰ COE is defined as the total remuneration, in cash or in kind, payable by an enterprise to an employee in return for work done by the latter during the accounting period.



Operating surplus/mixed income¹¹ grew by 4.9 percent in 2015 adding to the 4.7 percent growth achieved in 2014, thus reversing the 2.9 percent decline realized in 2013. The acceleration in this type of income indicates that businesses are continuing to capture the benefits of the current upswing in the economy.

Taxes (less subsidies) on production and imports¹² in 2015 reversed the upward trend started in 2010. This component declined by 1.5 percent in 2015 after increasing by 8.6 and 18.1 percent in 2014 and 2013 respectively. The decline in the net taxes component in 2015 was due to (among other things) a decrease in the receipt from import duties resulting from lower levels of imports (mainly oil-related imports) coupled with the decline in domestic tax receipts on goods and services as company registration declined.

4.2 Contribution to GDP at Purchasers' Prices

Table 11: PERCENTAGE CONTRIBUTION to GDP BY INCOME AT CURRENT PRICES						
Type of Income	2010	2011	2012	2013 ^R	2014 ^R	2015
Compensation of Employees	51.3	50.8	51.1	50.6	49.8	50.1
Operating Surplus\Mixed Income	28.7	28.7	28.4	26.8	26.9	27.5
Consumption of Fixed Capital	6.6	6.3	6.3	6.2	6.3	6.1
Taxes less Subsidies on Production and Imports	13.4	14.2	14.2	16.3	17.0	16.3
Gross Domestic Product at Purchasers' Prices	100.0	100.0	100.0	100.0	100.0	100.0

R-revised

Compensation of employees (COE) returned to over 50 percent of GDP in 2015 after dipping below 50 percent in 2014 for the first time since 2007. COE accounted for 50.1 percent of GDP in 2015, up from the 49.8 percent posted for 2014.

The second largest contribution (27.5%) came from operating surplus/mixed income with a total value of CI\$840.8 million in 2015. This component posted the highest rate of increase (4.9%) in 2015. It also increased its share of GDP, moving from 26.9 percent in 2014 to 27.5 in 2015.

The share of net taxes declined in 2015 to 16.3 percent, from 17.0 percent in 2014, reversing the continued increase in share since 2013.

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¹¹ Operating Surplus is the measure of the surplus accruing from production. Mixed income is a combination of operating surplus and implicit remuneration for work done by owner.

¹² This includes import duties, hotel occupancy tax, business and professional licences, building permit fees, property tax, stamp duties, etc.



The share of consumption of fixed capital¹³ declined slightly to 6.1 percent in 2015, from 6.3 percent in 2014. Despite the decline in share, the value of this component increased from CI\$186.9 million in 2014 to CI\$188.0 million in 2015.

4.3 Income Components of GDP at Purchasers' Prices

4.3.1 Compensation of employees (COE)

Table 12 below shows the breakdown of total compensation by industry in the Cayman Islands for the period 2010-2015.

Table 12: COMPENSATION OF EMPLOYEES (CI\$'000)						
INDUSTRY	2010	2011	2012	2013 ^R	2014 ^R	2015
Agriculture & Fishing	3,916.3	4,127.2	3,925.4	4,113.5	4,521.8	4,835.2
Mining & Quarrying	12,171.6	11,390.7	11,544.5	11,408.9	10,956.9	11,751.8
Manufacturing	11,002.6	10,755.1	11,258.0	11,432.0	11,649.8	12,548.2
Electricity, Gas & Air Conditioning Supply	12,732.6	12,731.5	12,808.7	12,671.4	13,392.0	12,305.5
Water Supply, Sewerage & Waste Management	15,701.3	15,888.0	19,000.8	19,108.3	19,049.2	19,753.6
Construction	50,431.2	53,464.1	54,547.5	52,377.1	52,356.9	53,830.9
Wholesale & Retail Trade	110,572.8	110,799.3	110,387.9	105,397.2	110,472.3	115,711.1
Transport & Storage	66,449.6	67,329.8	69,499.5	69,784.5	73,473.0	76,081.8
Hotels & Restaurants	70,517.7	82,021.6	83,355.8	85,932.0	87,910.6	90,029.0
Information & Communication	44,909.9	46,434.7	47,068.6	44,536.5	45,176.4	45,800.4
Financial & Insurance Services	344,424.5	341,896.8	349,801.5	357,340.3	355,830.8	358,374.9
Real Estate Activities	32,712.3	32,017.2	32,069.5	32,341.5	33,920.4	35,315.5
Professional, Scientific & Technical Activities	203,190.8	206,426.7	217,892.4	230,322.3	242,357.4	252,503.4
Administrative & Support Service Activities	41,294.2	42,171.4	44,618.0	46,647.3	48,685.5	51,109.4
Public Administration & Defense	160,222.3	160,562.5	166,511.1	166,835.0	170,827.0	179,801.9
Education Services	61,125.8	59,764.2	59,442.5	61,551.1	62,643.7	66,804.4
Health and Social Work	65,544.5	69,438.7	72,620.6	77,586.4	82,647.6	90,546.6
Other Services	51,228.5	51,273.8	51,928.7	53,100.5	54,781.5	56,790.4
TOTAL	1,358,148.3	1,378,493.5	1,418,280.9	1,442,485.8	1,480,652.6	1,533,894.0

R-revised

The distribution of total compensation in the Cayman Islands was dominated by the following three industries in 2015:

- The Financial and Insurance Services industry with CI\$358.4 million in compensation or 23.4 percent of the total compensation;
- o Professional, Scientific and Technical Activities (including legal and accounting services) with CI\$252.5 million or 16.5 percent of total compensation; and

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¹³ Consumption of fixed capital is the decline, during the course of the accounting period, in the current value of the stock of fixed and intangible assets owned and used by a producer as a result of physical deterioration, normal obsolescence or normal accidental damage.



o Public Administration & Defense with CI\$179.8 million or 11.7 percent of total compensation.

The three above-mentioned industries accounted for 51.5 percent of the total compensation generated in the Cayman Islands in 2015. This represents a slight decline of the 51.9 percent recorded in 2014.

4.3.2 Operating surplus/mixed income¹⁴

Table 13: OPERATING SURPLUS AND MIXED INCOME (CI\$'000)						
INDUSTRY	2010	2011	2012	2013 ^R	2014 ^R	2015
Agriculture & Fishing	3,989.5	4,162.6	4,638.5	4,616.9	5,157.1	5,486.9
Mining & Quarrying	5,558.3	4,639.5	5,637.8	6,228.4	5,388.9	5,814.4
Manufacturing	10,684.7	10,962.3	11,599.8	12,206.0	12,608.2	11,861.2
Electricity, Gas & Air Conditioning Supply	23,028.8	22,615.7	20,879.5	23,407.4	22,509.9	23,872.7
Water Supply, Sewerage & Waste Management	13,090.8	11,393.5	10,417.7	9,024.4	10,729.9	12,361.3
Construction	30,397.9	26,282.3	27,552.5	33,005.4	36,141.9	39,568.4
Wholesale & Retail Trade	68,296.9	75,446.3	82,535.6	92,108.3	94,263.7	90,989.6
Transport & Storage	22,044.3	23,550.9	23,579.6	27,270.4	32,564.3	36,654.7
Hotels & Restaurants	59,486.4	58,322.0	65,049.8	74,569.2	88,222.9	92,899.4
Information & Communication	31,227.2	28,126.4	28,328.6	29,765.7	27,615.8	31,517.0
Financial & Insurance Services	540,327.0	546,690.5	558,986.3	506,782.1	510,159.1	545,033.2
Real Estate Activities	155,069.7	158,201.0	161,122.4	157,110.1	158,591.2	157,693.6
Professional, Scientific & Technical Activities	119,024.9	121,827.9	124,705.3	121,914.3	129,227.3	132,473.0
Administrative & Support Service Activities	4,805.6	5,041.4	6,091.2	3,923.1	3,931.2	2,869.8
Public Administration & Defense	-	-	-	-	-	-
Education Services	3,084.3	2,961.5	3,336.9	3,710.1	4,152.1	4,793.5
Health and Social Work	6,096.6	6,374.8	7,330.5	8,204.6	6,060.6	6,490.3
Other Services	30,087.0	30,934.5	35,380.2	40,431.9	45,076.3	45,225.0
Sub-Total	1,126,299.8	1,137,533.2	1,177,172.2	1,154,278.4	1,192,400.2	1,245,604.0
Less Financial Services Indirectly Measured (FISIM	366,015.8	360,124.8	388,932.1	388,611.3	390,540.3	404,784.1
TOTAL	760,284.0	777,408.3	788,240.1	765,667.2	801,860.0	840,819.9

R-revised

The three largest contributors to operating surplus/mixed income in 2015 were financial and insurance services, real estate activities and professional, scientific and technical

¹⁴ As shown in Table 13, the total amount of this income type comprises two parts:

⁽a) The amount before deducting implicit charges for financial intermediation services (FISIM) across industries, equivalent to CI\$1,245.6 million in 2015; and

⁽b) The total amount after deducting overall FISIM (CI\$840.8 million). The FISIM paid by producer is part of their intermediate consumption (goods and services that are used up in the production process, excluding fixed assets whose consumption is recorded as consumption of fixed capital). Ideally, FISIM should be apportioned across the various spending industries. However the currently available data does not permit this exercise.



activities, accounting for 67.1 percent of the total. This represents an increase over the 66.9 percent recorded in 2014.

Financial and insurance services accounted for the largest share of operating surplus/mixed income of CI\$545.0 million in 2015. The second largest share was recorded by the real estate activities (CI\$157.7 million), followed by professional, scientific and technical activities with CI\$132.5 million.

4.3.3 Consumption of fixed capital

Table 14: CONSUMPTION OF FIXED CAPITAL (CI\$'000)						
INDUSTRY	2010	2011	2012	2013 ^R	2014 ^R	2015
Agriculture & Fishing	650.1	662.4	693.8	644.5	668.9	661.6
Mining & Quarrying	2,388.9	2,408.6	2,613.7	2,427.6	2,512.8	2,303.0
Manufacturing	1,207.0	1,245.6	1,214.5	1,388.6	1,426.7	1,386.5
Electricity, Gas & Air Conditioning Supply	17,589.1	18,017.9	19,957.7	21,336.4	20,759.3	22,235.2
Water Supply, Sewerage & Waste Management	6,931.6	5,985.5	6,113.4	5,858.0	5,872.1	5,536.9
Construction	2,773.9	2,525.2	2,483.9	2,334.6	2,192.1	2,385.8
Wholesale & Retail Trade	19,867.8	20,618.8	20,762.7	20,874.1	23,116.7	24,029.5
Transport & Storage	9,709.3	9,245.9	9,665.1	10,112.9	10,988.5	10,762.3
Hotels & Restaurants	6,509.9	6,516.2	6,677.1	7,424.1	7,519.2	7,906.1
Information & Communication	19,056.0	20,040.3	19,408.3	18,422.3	23,512.4	21,656.1
Financial & Insurance Services	28,142.7	27,214.6	26,757.1	27,860.6	27,240.6	27,570.1
Real Estate Activities	21,212.3	20,894.5	19,987.3	20,357.2	20,701.1	20,368.5
Professional, Scientific & Technical Activities	6,982.6	7,180.5	7,503.8	7,356.1	7,406.4	7,599.7
Administrative & Support Service Activities	5,599.1	5,301.5	4,718.4	4,966.6	5,467.4	5,525.0
Public Administration & Defense	11,726.4	9,739.3	10,761.7	10,788.4	11,157.6	10,715.1
Education Services	3,969.6	4,359.1	5,549.7	5,685.7	5,604.4	6,276.4
Health and Social Work	3,812.7	3,949.1	4,035.7	3,948.6	4,202.8	4,451.5
Other Services	6,226.6	6,279.3	6,155.1	6,226.6	6,527.0	6,621.1
TOTAL	174,355.6	172,184.2	175,058.9	178,012.8	186,876.0	187,990.1

R-revised

Consumption of fixed capital or the depreciation cost of capital represented only 6.1 percent of the GDP in 2015 (see Table 11). This represents a decline in the share from the 6.3 percent posted for 2014.

As presented in Table 14 above, the largest amounts of depreciation in 2015 occurred in financial and insurance services (CI\$27.6 million) due to the size of this industry relative to the economy. This is followed by wholesale and retail trade activities (CI\$24.0 million), electricity, gas & air conditioning supply services (CI\$22.2 million), information & communication services (CI\$21.7 million), and real estate activities (CI\$20.4 million). Though electricity services and information & communication services are relatively



small in terms of their contribution to GDP, they have significant depreciation because of the capital-intensive nature of these activities.

4.3.4 Taxes less subsidies on production and imports

Table 15: TAXES less SUBSIDIES ON PRODUCTION AND IMPORTS (CI\$'000)						
INDUSTRY	2010	2011	2012	2013	2014	2015
Other Taxes less Subsidies on Production	179,932.3	191,169.6	193,805.0	262,897.9	285,894.3	281,776.1
Agriculture & Fishing	258.0	274.1	275.6	302.7	349.1	391.7
Mining & Quarrying	176.9	185.5	195.1	206.6	160.9	149.2
Manufacturing	322.0	318.9	345.7	349.3	337.0	358.0
Electricity, Gas & Air Conditioning Supply	1,224.0	1,870.0	2,083.6	2,319.8	1,623.0	1,681.7
Water Supply, Sewerage & Waste Management	144.3	147.6	164.4	157.9	150.6	173.8
Construction	1,513.0	1,588.7	1,502.2	1,814.9	1,965.2	2,339.4
Wholesale & Retail Trade	4,565.3	4,726.9	4,843.7	5,852.0	5,725.0	6,053.3
Transport & Storage	597.8	572.9	578.8	613.8	768.0	776.6
Hotels & Restaurants	917.1	946.0	994.2	1,013.3	1,335.4	1,349.5
Information & Communication	6,724.2	7,075.5	7,541.0	8,164.7	8,125.7	8,536.8
Financial & Insurance Services	143,209.5	151,375.0	151,567.8	211,814.2	232,337.3	226,221.8
Real Estate Activities	9,329.0	9,476.0	10,039.9	12,309.9	12,509.3	12,255.4
Professional, Scientific & Technical Activities	9,612.3	10,999.4	11,929.1	15,843.8	17,986.1	18,865.2
Administrative & Support Service Activities	825.6	1,025.8	1,112.5	1,477.7	1,717.6	1,785.0
Public Administration & Defense	11.0	8.2	17.5	16.3	21.5	26.5
Education Services	56.0	47.5	50.6	55.6	59.1	63.3
Health and Social Work	118.3	154.9	154.0	187.8	261.9	278.7
Other Services	328.1	376.8	409.2	397.8	461.6	470.2
Taxes less Subsidies on Products	173,612.0	193,406.0	201,003.2	203,289.8	220,599.2	217,042.6
TOTAL	353,544.3	384,575.6	394,808.2	466,187.7	506,493.4	498,818.6

Table 15 shows two data sets:

- Other taxes on production net of other subsidies on production charged to industries; and
- 2. Taxes net of subsidies charged to buyers of products and imports.

Net other taxes on production accounted for 56.5 percent of the total in 2015, a marginal increase from the 56.4 percent in 2014. Despite the increase in the ratio, net taxes on production declined to CI\$281.8 million in 2015 from CI\$285.9 million in 2014, a 1.4 percent decline. This decline is due, in part, to a decline in revenue generated from financial service licences.

The industry breakdown of other taxes on production shows that financial and insurance services accounted for 80.2 percent of the total in 2015, a decline from the 81.3 percent in 2014. Despite the decline in share, the activity remains a significant revenue base for the central government.



APPENDIX 1: KEY CONCEPTS AND DEFINITIONS

A1.1 Classifications in the National Accounts

The main building blocks in the system of national accounts are classifications. These are used in different ways and situations throughout the system. The system of national accounts involves a large number of economic transactions in goods and services that are undertaken by a number of economic agents. The function of the national accounts is to organize and group the basic units of transactions to provide meaningful information. The classification system also guarantees comparability over time and internationally.

The Cayman Islands' national accounts use the International Standard Industrial Classification of all Economic Activities (ISIC) for the classifications of industries, as follows (see also Appendix 3):

- i. Agriculture, Forestry and Fishing
- ii. Mining and Quarrying
- iii. Manufacturing
- iv. Electricity, Gas, Steam and Air Conditioning Supply
- v. Water Supply; Sewerage, Waste Management and Remediation Activities
- vi. Construction
- vii. Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles
- viii. Transport and Storage
- ix. Accommodation and Food Service Activities
- x. Information and Communication
- xi. Financial and Insurance Activities
- xii. Real Estate Activities
- xiii. Professional, Scientific and Technical Activities
- xiv. Administrative and Support Service Activities
- xv. Public Administration and Defense; Compulsory Social Security
- xvi. Education
- xvii. Health and Social Work
- xviii. Other Services

It should be noted that establishments owned or controlled by government are excluded from the industry "Public Administration and Defense" using the following criteria:

(a) if the prices they charge for the goods and services they produce are economically significant;



- (b) if they are operated and managed like a corporation; and
- (c) if they have a complete set of accounts such that their operating surplus, savings, assets and liabilities can be separately identified and measured. These establishments are included in the industries in which their principal activity falls.

A1.2 Measuring Gross Domestic Product (GDP) using the Production Approach

This approach calculates GDP as the sum of the value added of all industries. This is the difference between gross output (essentially sales) of producers and the value of their intermediate inputs (that is purchases of commodities that are used up in the production of other commodities):

Gross Output – Intermediate Input = Value Added

The production account for industries allows for the compilation of GDP using the production approach. It records the production of goods and services as defined by the production boundary. Output generated from the production process is recorded as a resource on the left-hand side of the 'T' account and the inputs used up in the production process is recorded as a use on the right-hand side of the account. The value added is the balancing item for this account.

Production Account of a Producer

Uses (Debit)	Resources (Credit)
Intermediate consumption 30	Gross Output 100
·	Market 95
	For own final use 5
	Other non-market 0
Gross Value Added 70	

A1.2.1 Valuation of output, intermediate consumption and value added

Output can be valued at either basic or producers' prices. The SNA93 recommends basic prices for the valuation of output; intermediate consumption should be valued at purchasers' price.

<u>Basic price</u> is defined as the amount receivable by the producer from the purchase of a unit of good or service less any tax payable, plus any subsidy receivable as a consequence of its production or sale. Separately invoiced transport charges by the producer are excluded.



<u>Producer's price</u> (net of all valued tax (VAT)) is the amount receivable by the producer from the purchase of a unit of good or service less any VAT invoiced to the purchaser. Separately invoiced transport charges by the producer are excluded.

<u>Purchaser's value</u> is the amount paid by the purchaser, excluding any deductible VAT but includes any transport charges paid separately by the purchaser for delivery of the goods.

The above three concepts are related as follows:

- Basic Price
 - plus taxes on product excluding VAT
 - less subsidies on product
- Equals Producer's Price
 - plus trade and transport margins
 - plus non- deductible VAT
- Equals Purchaser's Price

It should be noted that in the Cayman Islands, there is no VAT; hence, producers' prices is the same as purchasers' price if there are no trade and transport margins.

A1.3 Measuring Gross Domestic Product at Constant Prices

The change in GDP results from the contribution of (i) the quantity of goods and services produced and (ii) the price at which these goods and services are sold. GDP at current prices reflects both these contributions as the production of the period is measured at the prices at that period. GDP at constant prices, on the other hand, reflects only the change in quantities produced. This indicator measures the production of the period at the prices of another period referred to as the base year.

GDP at constant price is a measure of the real growth, which takes place within an economy. The rate of change of GDP at constant prices from period to period is often used to assess the economic performance of a country as it shows only the change in the volume of goods and services produced as the price effect is removed. In theory, correcting for inflation refers to the process of revaluing current production using the average prices prevailing in the base year as follows:

GDP at current prices = $Quantity_t \times Price_t$

(Current quantities of goods and services produced multiplied by their current prices)



GDP at constant prices = $Quantity_{+} \times Price_{0}$

(Current quantities of goods and services produced multiplied by their prices in a year chosen as the base year)¹⁵.

Movement in GDP at constant prices over time indicates whether the economy is growing or is in decline. An increase in GDP at constant prices means that output is growing faster than the rate of inflation and hence the economy is considered to be growing. The reverse would be true for a fall in GDP at constant prices.

The explanation given above is an oversimplification of the actual computation but is necessary to convey what the process is intended to accomplish. The final estimates of GDP contain different components which all have to be adjusted for inflation. Even though the process of deflation varies depending on the industry, the process always entails the compilation of indices. The deflation process can be effected by either directly deflating the current price estimates with a price index (usually the CPI) or by extrapolating the base year estimates by a volume index. 16 The two approaches might also be used simultaneously.

The process recommended by the SNA to estimate GDP at constant prices is to deflate both gross output and intermediate consumption separately and then subtract the latter from the former. The recommendation is that estimations be made for both gross output and intermediate consumption at constant prices; taking the difference would yield GDP at consistent prices. This is referred to as double deflation, though intuitively appealing, it is difficult to apply in practice as it requires detailed data of good quality on price indicators for both gross output and intermediate inputs.

The alternative to double deflation is the use of a single indicator to extrapolate or deflate GDP at current prices. Although single indicators are generally unsuitable in industries where the relationship between value-added, gross output and intermediate consumption vary significantly from one year to the other, they are less sensitive to errors in other industries and hence extensively used. ¹⁷ The single indicator method was the method of choice for the Cayman Islands and hence is discussed below in more details.

The single indicator method used in the Cayman Islands is the extrapolation of base year value added by a volume index of gross output. Where relevant quantity data were

¹⁵ The base year chosen for the Cayman Islands System of National Accounts is 2007.

 $^{^{\}rm 16}$ In the base year the current and constant estimates are the same.

¹⁷ The agriculture industry is one such industry where the relationship between gross output, intermediate consumption and valued added vary significantly from one year to another due to disease, weather conditions, etc.



available, the volume index was calculated directly. In the absence of quantity data, the volume index was calculated indirectly by deflating gross output at current prices by the appropriate price index from the CPI. This approach tends to be the most frequently used single indicator and is based on the assumption that the ratio of value added to gross output in current prices remains unchanged at constant prices. This assumption might hold in the short run but becomes progressively less relevant in the long run hence periodic rebasing of the constant price estimates is recommended.

Another single indicator approach is the deflation of current value added by a price index of gross output. SNA defines a price index as "an average of the proportionate changes in the prices of a specified set of goods or services between two periods of time." This approach is referred to as single deflation because only the current value added is deflated and not the gross output and the intermediate consumption. The ideal price index for this approach would be one based on wholesale or producer prices. However, these types of indices are not always available; as a result indices, based on retail or consumer prices (e.g. CPI) are used. The disadvantage with using the CPI in this case is that the CPI relates specifically to price movements of goods and services purchased by households for consumption and so should not be used as a deflator for gross output destined for non-household consumption.

Extrapolation of value added by a volume index of employment is another single indicator method employed in the Cayman Islands System of National Accounts. This method entails the use of proxy indicators of gross output, such as hours worked, or numbers employed to extrapolate gross value added in the base year. These proxy indicators are most often used in services industries where it is difficult to specify direct volume measures. The weakness of this method is that it assumes constant labour productivity between the base year and subsequent years. This assumption inevitably leads to mismatches between employment and gross output hence the necessity for frequent revisions. According to accepted convention, where this method is employed an explicit assumption should be made about growth in labour productivity of about 1% per year.

Material input is another proxy indicator that can be used to extrapolate base year gross value added. This volume index should comprise of the most important material inputs to the production process. This method is usually employed in industries with heterogeneous output (e.g. construction, garment manufacturing, manufacturing of bakery products, etc). This method also necessitates frequent rebasing to account for changes in the ratio of gross output to value added and inputs.



A1.4 Measuring Gross Domestic Product (GDP) using the Income Approach

The income approach measures GDP as the sum of all income accruing to the factors of production. With this approach, GDP is calculated as the sum of the compensation of employees, operating surplus/mixed income, consumption of fixed capital and taxes on production and imports less subsidies on production and imports.

GDP = Compensation of Employees

- + Consumption of Fixed Capital
- + Operating Surplus
- + Taxes on production and imports
- Subsidies on production and imports

The definitions employed in the calculation of each of the above components are discussed below.

A1.4.1 Compensation of employees (COE)

This is defined as the total remuneration (in cash and kind) paid by employers to employees for work done during the accounting period. Compensation consists of two components:

- 1. Gross wages and salaries
- 2. Employers' social contributions

A1.4.1a Gross wages and salaries

This is defined to include all payments which employees receive in respect of their work. Included are:

- (a) Commissions, tips, bonuses and gratuities;
- (b) Allowances such as housing, uniform and travelling;
- (c) Wages paid during vacation and sick leave;
- (d) Overtime payments; and
- (e) Wages and salaries in kind.

The following items are among the consumption goods and services provided by the employer to the employee without charge or at a markedly reduced cost, which are of clear and direct benefit to the employees as consumers and are therefore included as part of wages and salaries:

- (a) Meal and drinks;
- (b) Housing services that can be used by all members of the household;



- (c) Uniforms that employees choose to wear frequently outside of the workplace as well as at work;
- (d) Sports, recreation and holiday facilities for employees and their families;
- (e) Transportation to and from work, car parking; and
- (f) Nurseries for the children of employees.

A1.4.1b Employers' social contribution

This includes contributions paid by employers on behalf of their employees to social security schemes, private pension funds and insurances schemes. These are geared towards providing benefits for the employees if circumstances affect their ability to earn income, such as sickness, accidents, redundancy, retirement, etc. These social contributions may be actual or imputed.

- Employers' actual social contributions These consists of social contributions paid directly by employers for the benefit of their employees to social security funds, insurance enterprises or other instituted units responsible for the administration and management of social insurance schemes.
- Employers' imputed social contributions Some employers provide social benefits directly to their employees or dependents out of their resources without the use of an insurance enterprise or special pension fund. Remuneration should therefore be imputed equal in value to the amount of social contributions that would be needed to secure the entitlement.

A1.4.2 Consumption of Fixed Capital

This is the cost of production associated with the decline in the value of fixed assets used in the production process. It can be viewed in general terms as the replacement cost of the fixed assets used up in the process of production.

The SNA recommends that this be valued using the actual or estimated prices of fixed assets prevailing at the time the production takes place but not the prices at the time the fixed asset was originally acquired. However, in the case of the Cayman Islands depreciation is used as a proxy for consumption of fixed capital.

A1.4.3 Taxes on production and imports

Taxes are compulsory, unrequited payments made to the government by other institutional units. Taxes are said to be unrequited because the government does not



directly provide a specific good or service in return for the payments made. There are two types of taxes on production and imports:

- 1. Taxes on products are taxes on goods and services that become payable when the goods are produced, sold, imported or otherwise disposed of by their producers. The following are categories of this type of tax:
 - a) Taxes and duties on import
 - b) Other taxes on product excluding taxes and duties on import (e.g. hotel occupancy tax).
- 2. Other taxes on production are all taxes excluding taxes on products that establishments incur as a result of engaging in production (e.g. business and professional licences, property tax, stamp duties).

A1.4.4 Subsidies on production and imports

It should be noted that in the Cayman Islands, subsidies (as defined by SNA) are negligible.

Subsidies are current unrequited transfers that government makes to resident producers and importers. These transfers or payments are based on the levels of production and/or the quantity and value of goods and services produced, imported or sold. Subsidies are seen as negative taxation as producers receive them rather than pay them. There are two types of subsidies on production and imports:

- 1. Subsidies on products subsidies payable per unit of a good or service e.g. fertilizer sold to farmers;
- 2. Other subsidies on production subsidies excluding subsidies on products that are paid to resident establishments as a result of engaging in production.

A1.4.5 Operating surplus/mixed income

Operating surplus/mixed income is the income accruing to the production process before deducting interest charges, rent or property incomes payable. It is equivalent to the excess of the value added over the sum of the compensation of employers, net taxes on production, and allowances for the consumption of fixed capital, i.e.:

Operating Surplus = Gross Value Added – (Compensation of Employees + net Taxes on Production and Imports + allowance for the Consumption of Fixed Capital)



APPENDIX 2: IMPLEMENTATION OF THE CAYMAN ISLANDS' SNA

A2.1 Introduction

This section provides an overview of the work done in developing the System of National Accounts for the Cayman Islands. It examines the classification system employed in delineating institutional units into specific industries. This is fundamental to the measurement of output and value added by industry. The section also examines the main sources of data used in compiling the estimates. The Annual National Accounts Survey was the main data source and was supplemented by data from government accounts and other administrative sources. The section concludes by examining the estimation techniques employed in deriving gross value added by industry at current and constant prices.

A2.2 Coverage of Industries

As indicated in Appendix 1, all active business units were classified according to the International Standard Industrial Classification (ISIC) Revision 4, which is the industrial classification scheme recommended by SNA93 manual. In accordance with SNA93 and ISIC guidelines, business units were assigned codes based on their principal economic activity. The ISIC Revision 4 was adapted to accommodate a more detailed disaggregation of economic activity. For the most part, estimation and analysis were done at the product group level (5-digit ISIC code). However, some estimation had to be done at the class level (4-digit code) due to data constraints.

A2.3 Data Sources

Gross value added at current and constant prices was compiled using data from a variety of primary and/or secondary sources. Primary sources relate to data collected and compiled by the Economics and Statistics Office (ESO). The main source of primary data was the Annual National Accounts Survey. Other primary data sources were the consumer price index (CPI), Labour Force Survey (LFS), Survey of Living Conditions (SLC) and the Household Budget Survey (HBS). Secondary data sources (i.e. sources external to the ESO) consist mostly of administrative records and data generated as by-products

¹⁸ The System of National Accounts Manual 1993 (SNA93) is the manual that guides the compilation of GDP estimates. It outlines the internationally accepted methodologies and rules that govern the derivation of estimates of GDP. The SNA 2008 is now available and aspects have been incorporated in the Cayman Islands' National Accounts.

¹⁹ The principal activity of a business is the activity whose value added exceeds that of any other activity carried out by the business.



of the administrative process. Revenue and expenditure accounts of government and statutory agencies, merchandise trade data, and specified data from the Cayman Islands Monetary Authority (CIMA) comprised the main secondary data sources.

The Annual National Accounts Survey is designed primarily to collect information from active business units on their income and expenditure. Questionnaires are hand-delivered to business units on Grand Cayman (entities for whom a physical address was available) and mailed to those in Cayman Brac and Little Cayman. The survey was administered to all establishments in ESO's Business Register. Data on government ministries and departments were obtained from government accounting reports.

The consumer price index (CPI) was predominantly used in computing gross value added at constant 2007 prices. The CPI is used in two ways: (1) gross output (at current prices) of some industries is deflated by a relevant price index of CPI items, or groups of items to derive the inflation-adjusted gross output (gross output at constant prices). The series of gross output constant is then used to formulate a volume index which is then used extrapolate base year gross value added to derive gross value added (at constant prices). (2) The gross value added (at current prices) of some activities are deflated directly by a relevant price index of CPI items, or groups of items to derive gross value added (at constant prices). This method is utilized in the absence of relevant volume indicators. The CPI was also used in estimating the current price gross value added of owner-occupied dwellings and some groups within the agriculture and fishing industries.

The government accounts comprise a voluminous amount of data that had to be classified, partitioned and adjusted to suit national accounts purposes. Revenue and expenditure data were gathered from the government database and then exported to Excel where it was adjusted for national accounts purposes. The database allows for the generation of reports based on cost centres. Through this process, public administration was identified. Additionally, revenue was classified into three groups: taxes (customs duties, property tax, hotel occupancy tax, cruise ship departure tax, stamp duty, etc.), sales of goods and services (work permits, departmental sales, etc.) and other revenue (interest, fines and forfeitures, etc.).

A2.4 Revision Policy

To improve the System of National Accounts, revisions are undertaken periodically. New and revised data from regular surveys, administrative records, audited financial statements from companies, public sector accounts, etc. are incorporated into the system as they become available. The previous two year's estimates are revised (as necessary) when current year estimates are being generated.



APPENDIX 3: INTERNATIONAL STANDARD INDUSTRIAL CLASSIFICATION OF ALL ECONOMIC ACTIVITIES (REVISION 4)

A - Agriculture, Forestry and Fishing

- 01-Crop and animal production, hunting and related service activities
- 02-Forestry and logging
- 03-Fishing and aquaculture

B - Mining and Quarrying

- 05-Mining of coal and ignite
- 06-Extraction of crude petroleum and natural gas
- 07-Mining of metal ores
- 08-Other mining and quarrying
- 09-Mining support service activities

C - Manufacturing

- 10-Manufacture of food products
- 11-Manufacture of beverages
- 12-Manufacture of tobacco products
- 13-Manufacture of textiles
- 14-Manufacture of wearing apparel
- 15-Manufacture of leather and related products
- 16-Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
- 17-Manufacture of paper and paper products
- 18-Printing and reproduction of recorded media
- 19-Manufacture of coke and refined petroleum products
- 20-Manufacture of chemicals and chemical products
- 21-Manufacture of pharmaceuticals, medicinal chemical and botanical products
- 22-Manufacture of rubber and plastics products
- 23-Manufacture of other non-metallic mineral products
- 24-Manufacture of basic metals
- 25-Manufacture of fabricated metal products, except machinery and equipment
- 26-Manufacture of computer, electronic and optical products
- 27-Manufacture of electrical equipment
- 28-Manufacture of machinery and equipment n.e.c.
- 29-Manufacture of motor vehicles, trailers and semi-trailers
- 30-Manufacture of other transport equipment
- 31-Manufacture of furniture
- 32-Other manufacturing
- 33-Repair and installation of machinery and equipment

D - Electricity, Gas, Steam and Air Conditioning Supply

35-Electricity, gas, steam and air conditioning supply

E - Water Supply; Sewerage, Waste Management and Remediation Activities

- 36-Water collection, treatment and supply
- 37-Sewerage
- 38-Waste collection, treatment and disposal activities; materials recovery
- 39-Remediation activities and other waste management services



F - Construction

- 41-Construction of buildings
- 42-Civil engineering
- 43-Specialized construction activities

G - Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles

- 45-Wholesale and retail trade and repair of motor vehicles and motorcycles
- 46-Wholesale trade, except of motor vehicles and motorcycles
- 47-Retail trade, except of motor vehicles and motorcycles

H - Transportation and storage

- 49-Land transport and transport via pipelines
- 50-Water transport
- 51-Air transport
- 52-Warehousing and support activities for transportation
- 53-Postal and courier activities

I - Accommodation and Food Service Activities

- 55-Accommodation
- 56-Food and beverage service activities

J - Information and Communication

- 58-Publishing activities
- 59-Motion picture, video and television programme production, sound recording and music publishing activities
- 60-Programming and broadcasting activities
- 61-Telecommunications
- 62-Computer programming, consultancy and related activities
- 63-Information service activities

K - Financial and Insurance Activities

- 64-Financial service activities, except insurance and pension funding
- 65-Insurance, reinsurance and pension funding, except compulsory social security
- 66-Activities auxiliary to financial service and insurance activities

L - Real Estate Activities

68-Real estate activities



M - Professional, Scientific and Technical Activities

- 69-Legal and accounting activities
- 70-Activities of head offices; management consultancy activities
- 71-Architectural and engineering activities; technical testing and analysis
- 72-Scientific research and development
- 73-Advertising and market research
- 74-Other professional, scientific and technical activities
- 75-Veterinary activities

N - Administrative and Support Service Activities

- 77-Rental and leasing activities
- 78-Employment activities
- 79-Travel agency, tour operator, reservation service and related activities
- 80-Security and investigation activities
- 81-Services to buildings and landscape activities
- 82-Office administrative, office support and other business support activities

O - Public Administration and Defence; Compulsory Social Security

84-Public administration and defence; compulsory social security

P - Education

85-Education

Q - Human Health and Social Work Activities

- 86-Human health activities
- 87-Residential care activities
- 88-Social work activities without accommodation

R - Arts, Entertainment and Recreation

- 90-Creative, arts and entertainment activities
- 91-Libraries, archives, museums and other cultural activities
- 92-Gambling and betting activities
- 93-Sports activities and amusement and recreation activities

S - Other Service Activities

- 94-Activities of membership organizations
- 95-Repair of computers and personal and household goods
- 96-Other personal service activities

T - Activities of Households as Employers; Undifferentiated Goods-and Services-Producing Activities of Households for Own Use

- 97-Activities of households as employers of domestic personnel
- 98-Undifferentiated goods- and services-producing activities of private households for own use

U - Activities of Extraterritorial Organizations and Bodies

99-Activities of extraterritorial organizations and bodies