

Appendix 2 National Climate Assessment

Climate and Weather Assessment for the Cayman Islands

Abstract

The workshop carried out by the team from the Caribbean Community Climate Change Centre (CCCCC), Belize provided the Cayman Islands with specific information on Climate Change in the Islands. The changes from 2011 to 2099 include an increase of 2 to 2.7 deg C for average temperature, 1.8 to 2.8 deg C for the average maximum temperature, 1.7 to 2.6 deg C for the average minimum temperature, 10 to 50 mm decrease in annual rainfall totals, little to no change in relative humidity, 2.2 to 2.8 deg C increase in the comfort index and a 12 to 80 cm increase in sea levels and a decrease in the wind speed from 5.5 meters per second to 5.0 meters per sec.

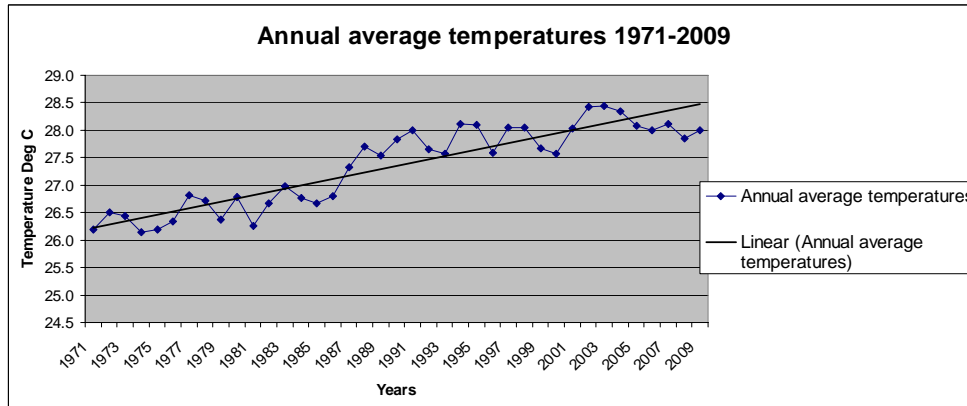
Introduction

A team from the Caribbean Community Climate Change Centre (CCCCC), Belize visited the Cayman Islands to assist with the production of a National Climate and Weather Assessment. The team was composed of Mr Abel Centella and Arnoldo Bezanilla from the Institute of Meteorology in Cuba and Mr Ottis Joslyn from the CCCCC in Belize. The team was supported by Mr Winston Bennett and Dr Ulric Trotz from the CCCCC.

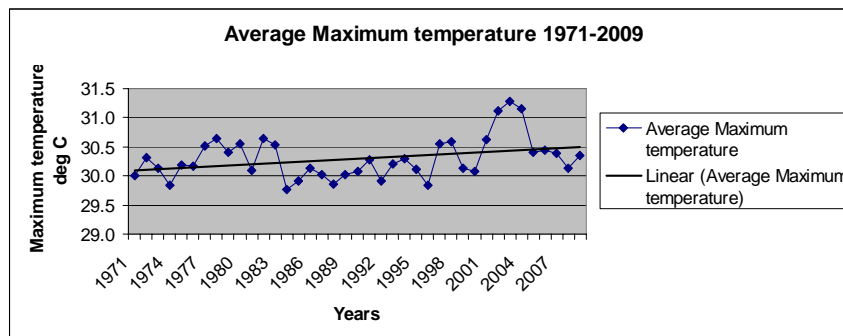
This team produced outputs for future climate of the Cayman Islands using the Hadley PRECIS Regional Climate Model (RCM), forced by the HADCM3 and ECHAM4 Global Climate Model at a resolution of 50 km for the Caribbean with IPCC (Special Report on Emissions Scenarios) SRES A2 and B2 scenarios (See Annex)odel data was assessed by the Cayman Islands National Weather Service (CINWS) staff to determine the impacts, if any, that could be faced by the Cayman Islands in the future.

Historical Climate Record for the Cayman Islands

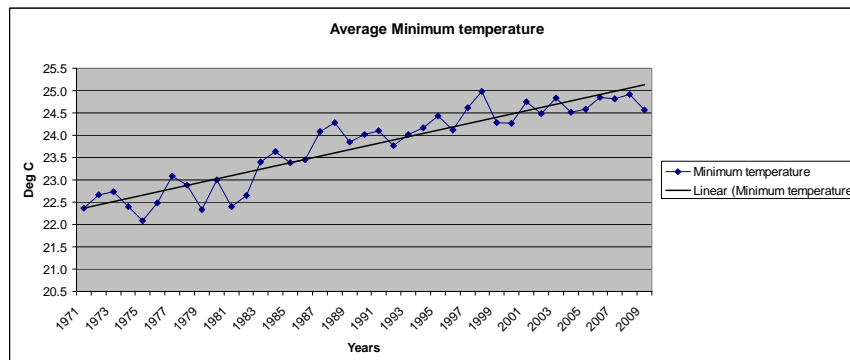
Temperature



An initial investigation of the observed annual average temperatures for the Cayman Islands recorded by the National Weather Service at the Owen Roberts International Airport reveals an increase in temperature from approximately 26.3 deg C in 1971 to 28.5 deg C in 2009. This is an increase of 2.2 deg C in 39 years or 0.06 deg C per year.

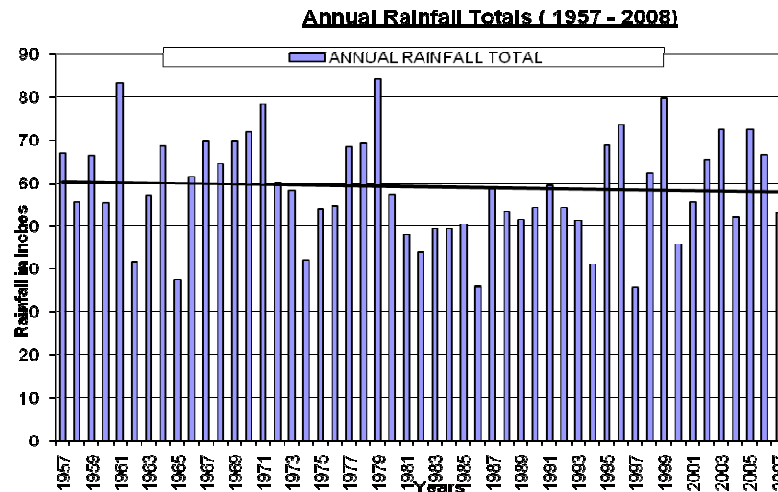


An initial investigation of the observed annual average maximum temperatures for the Cayman Islands recorded by the National Weather Service at the Owen Roberts International Airport reveals an increase in average maximum temperature from approximately 30.1 deg C in 1971 to 30.5 deg C in 2009. This is an increase of 0.4 deg C in 39 years or 0.01 deg C per year.



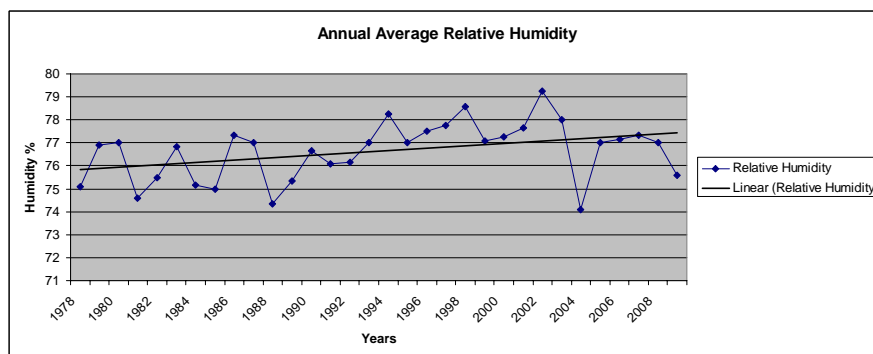
An initial investigation of the observed annual average minimum temperatures for the Cayman Islands recorded by the National Weather Service at the Owen Roberts International Airport reveals an increase in average minimum temperature from approximately 22.3 deg C in 1971 to 25.2 deg C in 2009. This is an increase of 2.9 deg C in 39 years or 0.1 deg C per year.

Rainfall



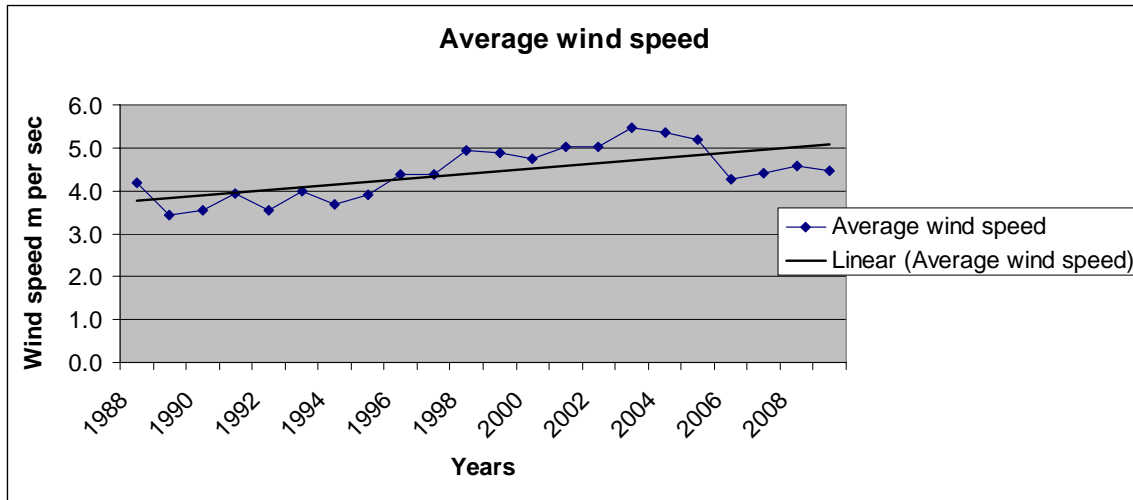
An initial investigation of the observed annual rainfall total for the Cayman Islands recorded by the National Weather Service at the Owen Roberts International Airport reveals a decrease in rainfall from approximately 60 inches in 1957 to 58 inches in 2008. This is a decrease of 2 inches in 51 years or 0.04 inches per year.

Relative Humidity



An initial investigation of the observed annual relative humidity for the Cayman Islands recorded by the National Weather Service at the Owen Roberts International Airport reveals an increase in relative humidity from approximately 76% in 1978 to 77% in 2009. This is an increase of 1% in 31 years or 0.03% per year.

Wind Speed



An initial investigation of the observed annual wind speed for the Cayman Islands recorded by the National Weather Service at the Owen Roberts International Airport reveals an increase in average wind speed from approximately 3.8 meters per sec in 1988 to 5.1 meters per sec in 2009. This is an increase of 1.3 meters per sec in 22 years or 0.06 meters per sec per year.

Methodology

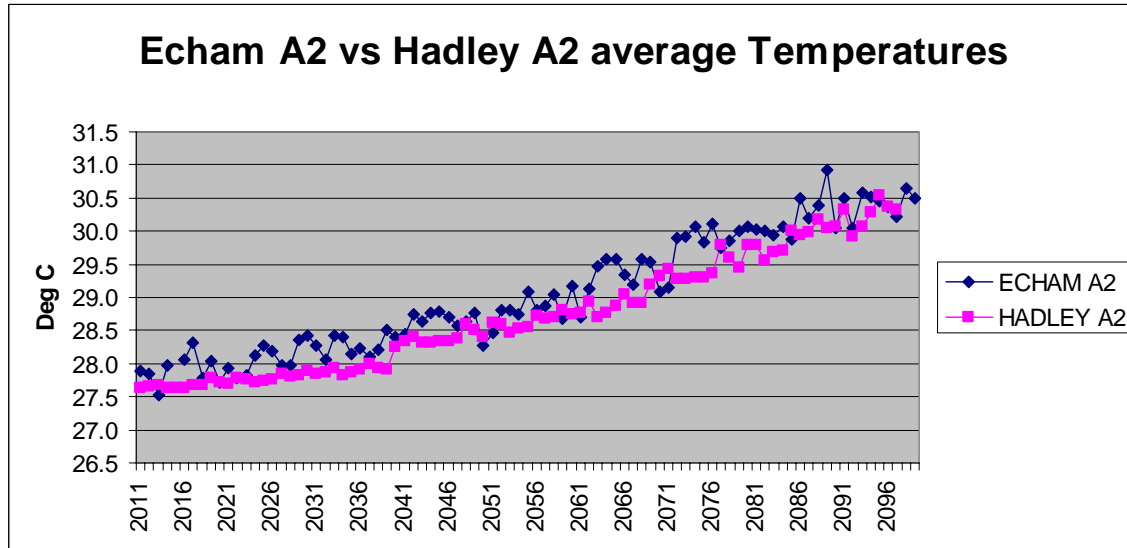
The team utilized the PRECIS regional climate model (RCM) to produce predictions for a number of climate variables for the Cayman Islands. The model variables predicted included Temperature (maximum, average and minimum), Humidity, Rainfall, Winds Speed and Sea-Level Rise.

Two time periods or time slices were used in the simulation experiments of future climate with the HadCM3 forcing (PRECISHadCM3), namely 1961-1990 and 2071-2100. In the case of ECHAM4 (PRECISECHAM4) a single period 1961 to 2100 was used. The period of 1961-1990 is the model's baseline data, and it correlated well with our local observed data for that time period.

Each of the above-mentioned variables, with the exception of Sea-level Rise was compared against the similar scenarios (SRES A2 & B2) from the different models highlighted above. In the case of the ECHAM4 we were able to do a comparison between the model's output with observed data from the Cayman Islands between 1991-2009.

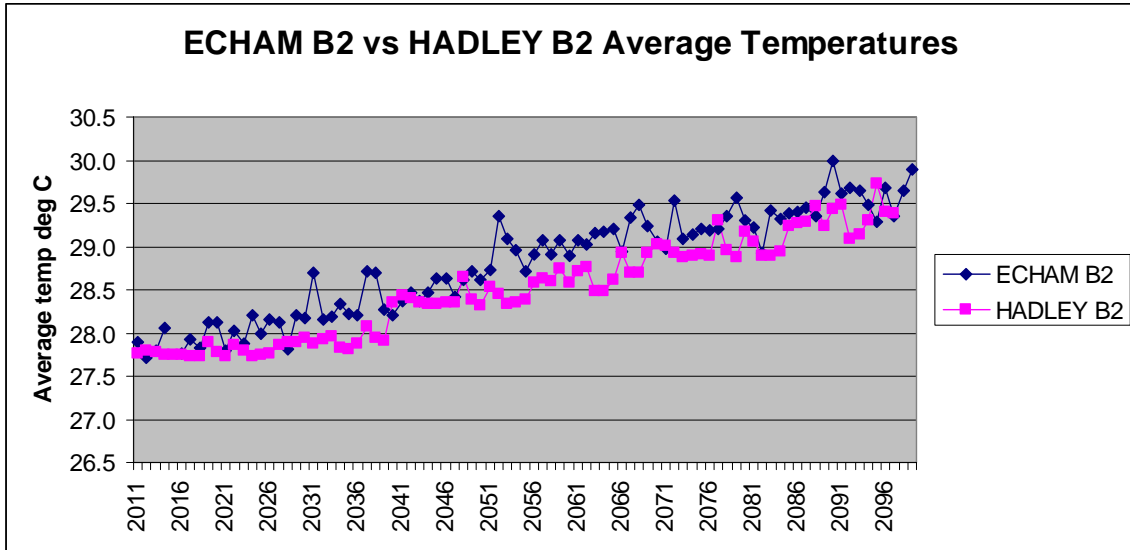
Future trends

Temperature



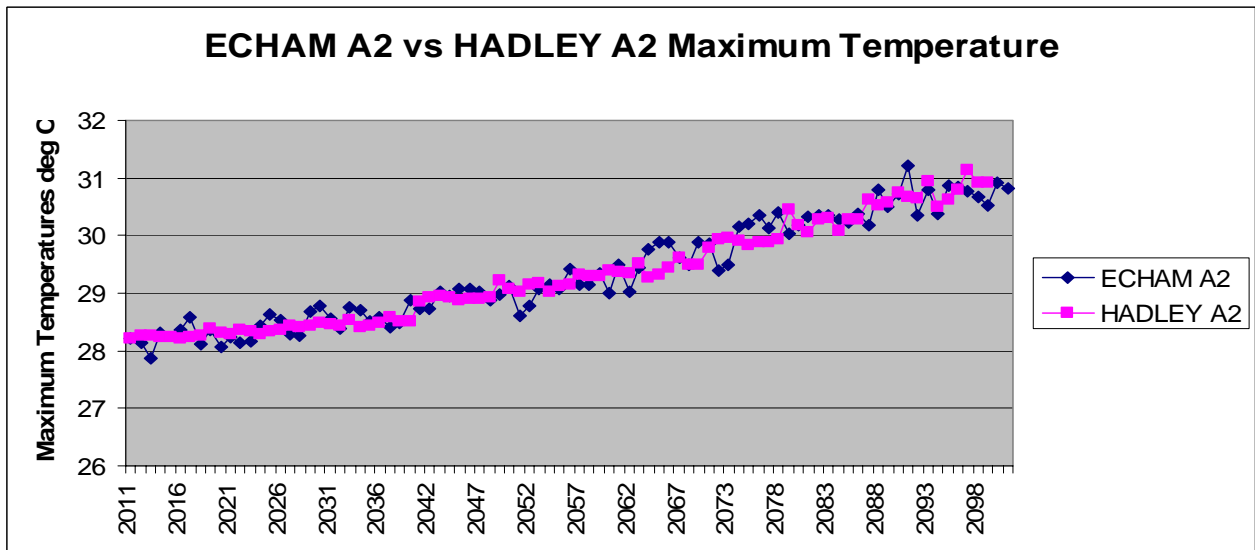
Preliminary investigation from the ECHAM and Hadley models using scenario A2 show an increasing average temperature. The average temperature increases from approximately 27.8 deg C to 30.5 deg C from 2011 to 2099, an increase of 2.7 deg C or 0.03 deg C per year.

The output from the ECHAM as compared with observed temperatures from 1991 to 2009 shows that this Model tends to underestimate average annual temperature, using the monthly data, by about 4 deg C. Both the observed and the model data point to an increase in temperature as noted by the trend line. When the same comparison was carried out for the Hadley the underestimate was 3 deg C.

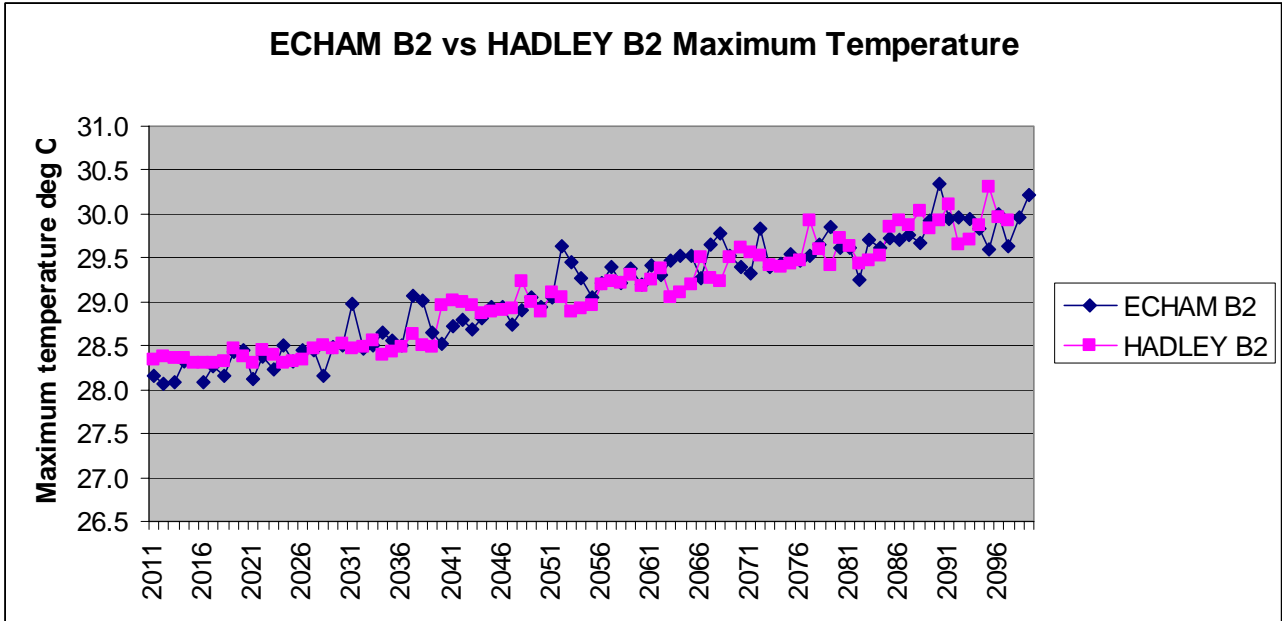


Preliminary investigation from the ECHAM and Hadley models using scenario B2 show an increasing average temperature. The average temperature increases from approximately 27.8 deg C to 29.8 deg C from 2011 to 2099, an increase of 2.0 deg C or 0.02 deg C per year. The ECHAM B2 is observed to be slightly warmer than the Hadley B2.

Maximum Temperature

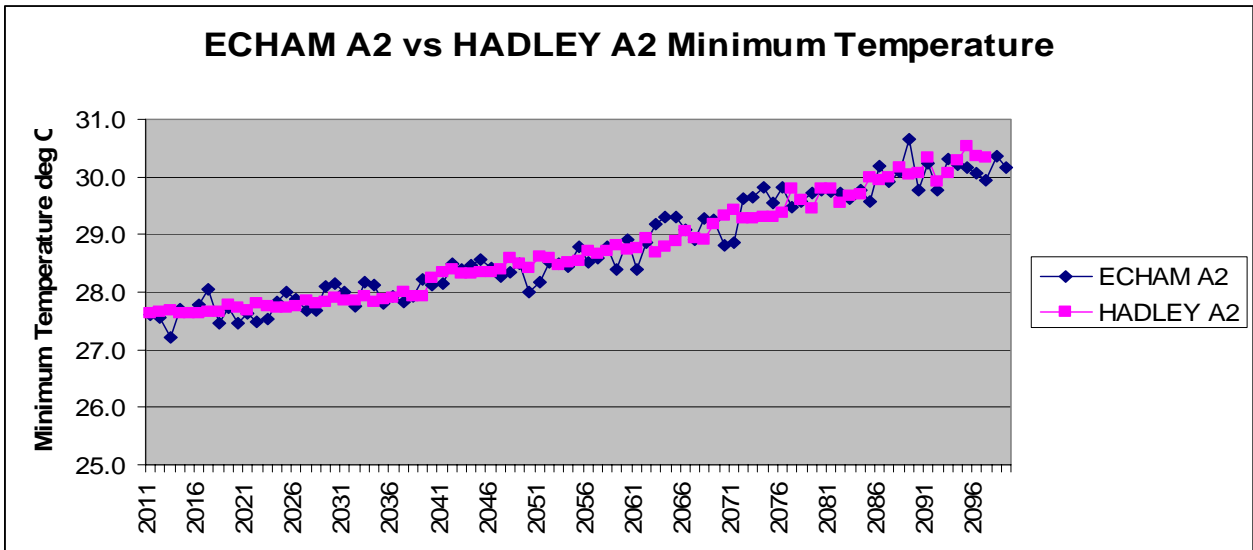


Preliminary investigation from the ECHAM and Hadley models using scenario A2 shows an increasing average maximum temperature. The average maximum temperature increases from approximately 28.2 deg C to 31.0 deg C from 2011 to 2099, an increase of 2.8 deg C or 0.03 deg C per year. There is little to no difference between the models.

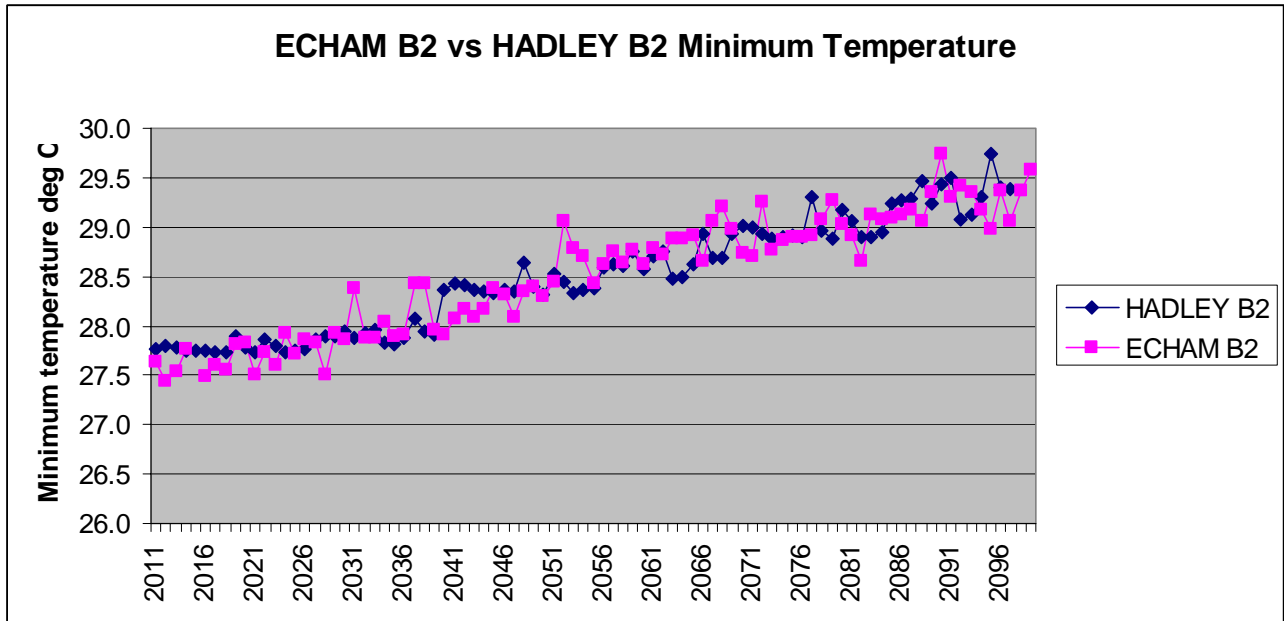


Preliminary investigation from the ECHAM and Hadley models using scenario B2 shows an increasing average maximum temperature. The average maximum temperature increases from approximately 28.3 deg C to 30.1 deg C from 2011 to 2099, an increase of 1.8 deg C or 0.02 deg C per year. There is little to no difference between the models.

Minimum Temperature

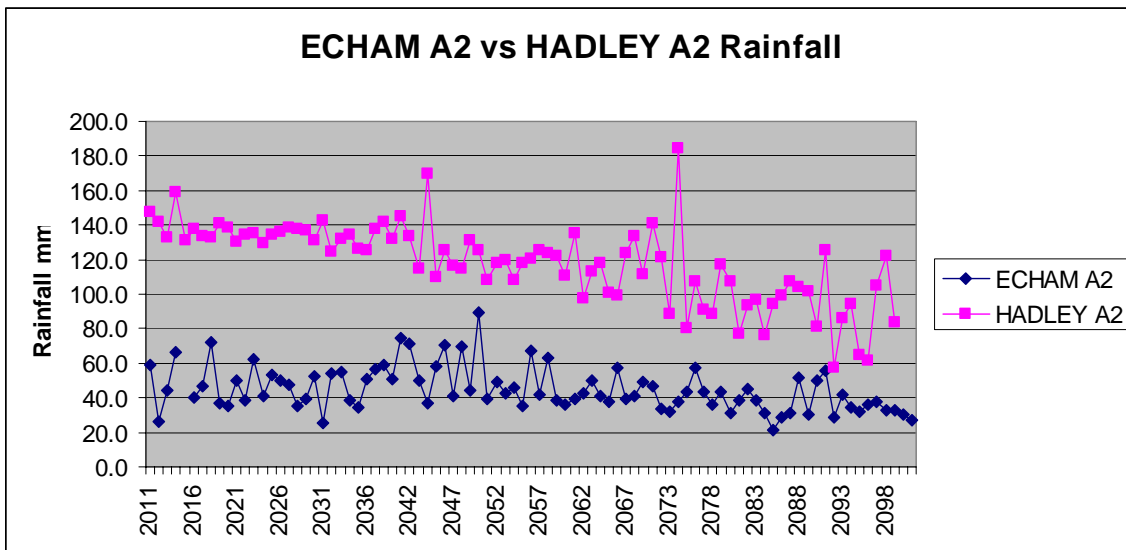


Preliminary investigation from the ECHAM and Hadley models using scenario A2 shows an increasing average minimum temperature. The average minimum temperature increases from approximately 27.6 deg C to 30.2 deg C from 2011 to 2099, an increase of 2.6 deg C or 0.03 deg C per year. There is little to no difference between the models.



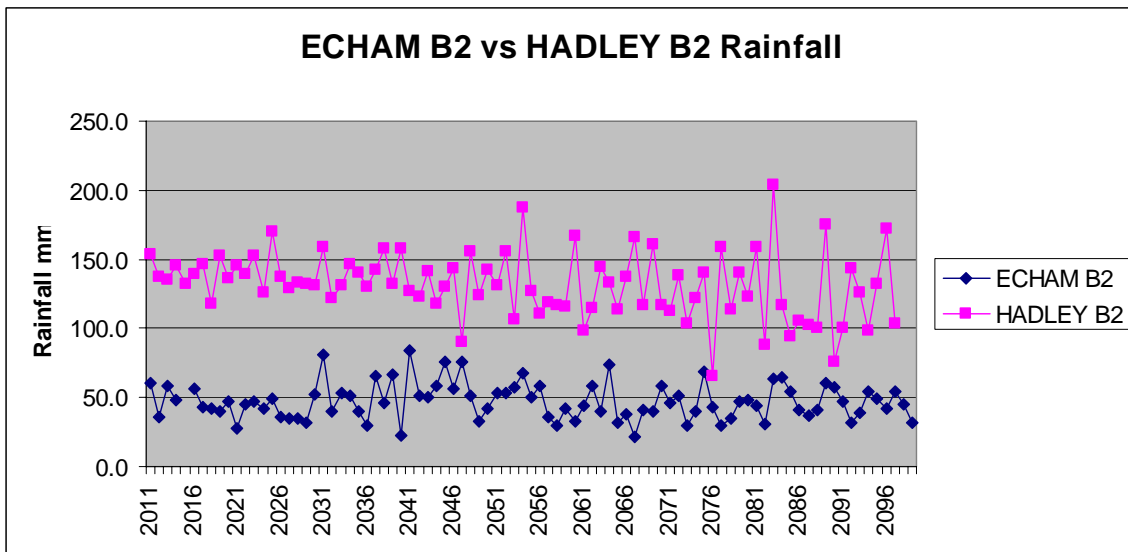
Preliminary investigation from the ECHAM and Hadley models using scenario B2 highlights that there is an increasing average minimum temperature. The average minimum temperature increases from approximately 27.8 deg C to 29.5 deg C from 2011 to 2099, an increase of 1.7 deg C or 0.02 deg C per year. There is little to no difference between the models.

Rainfall



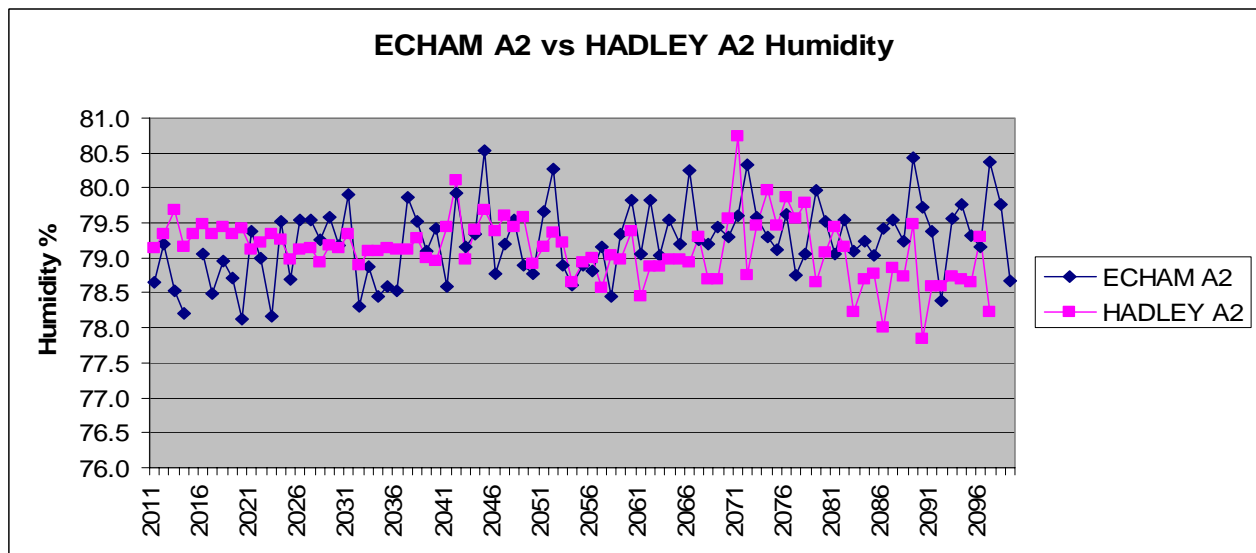
Preliminary investigation using the ECHAM and Hadley models using scenario A2 shows decreasing average Annual Rainfall from 2011 to 2099. It is noted that the Hadley model shows a wetter climate than the ECHAM. The average Annual Rainfall decrease on the ECHAM model

is from approximately 40 mm to 30 mm a reduction of 10 mm or 0.11 mm per year, while the Hadley decreases from 140 mm to 90 mm a decrease of 50 mm or 0.57 mm per year.



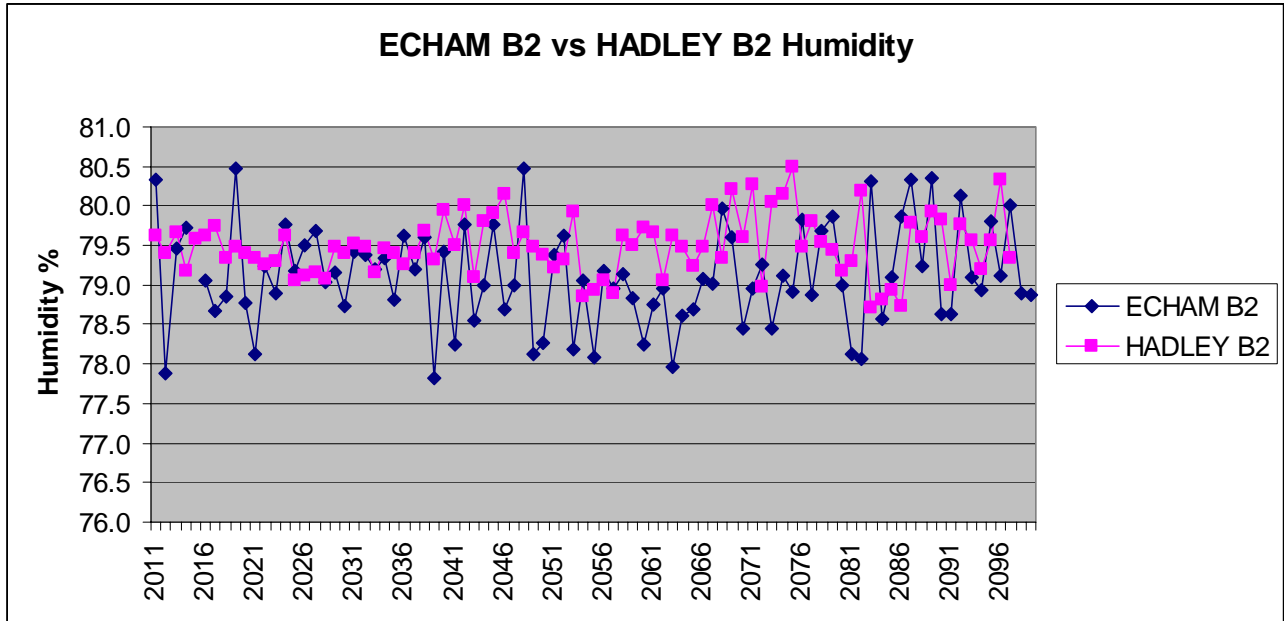
Preliminary investigation using the ECHAM and Hadley models using scenario B2 shows decreasing average Rainfall from 2011 to 2099. It is noted that the Hadley model shows a wetter climate than the ECHAM. The average Rainfall decrease on the ECHAM model is 10 mm a drop from 50 mm to 40 mm or 0.11 mm per year, while the Hadley shows a fall from 150 mm to 130 mm a decrease of 20 mm or 0.23 mm per year.

Humidity



Preliminary investigation both the ECHAM and Hadley models using scenario A2 shows a near constant average Humidity from 2011 to 2099. It is noted that for the most part the models are

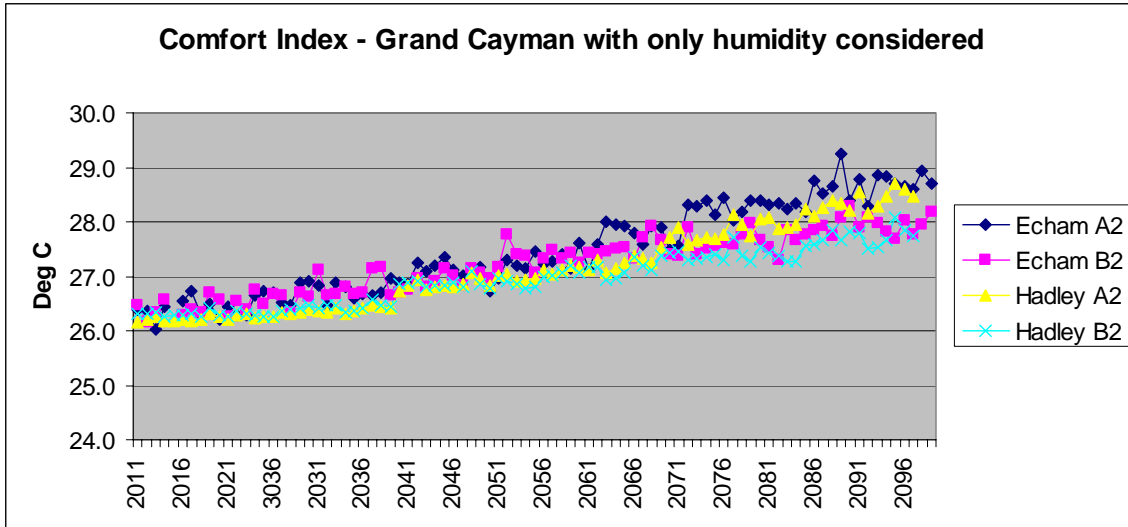
near mirror images until the last 20 years or so when the ECHAM model shows a higher humidity. Humidity starts approximately 79% and remains near constant until the last 20 years where the two models diverge in that the ECHAM shows a slight increase while the Hadley shows a slight decrease.



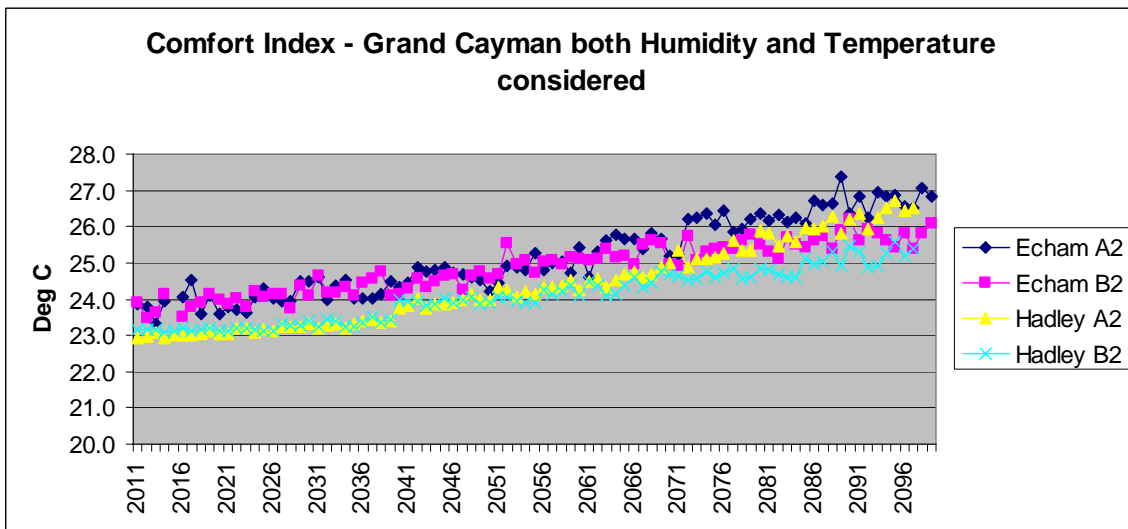
Preliminary investigation of both the ECHAM and Hadley models using scenario B2, shows a near constant average Humidity from 2011 to 2099. It is noted that for the most part the models are near mirror images. Humidity remains around 79% for the period.

Comfort Index

The climate change team took the outputs of temperature and humidity and combined them to produce a comfort index. This index gives a rough idea of how “comfortable” one feels due to excess temperature and humidity (25 degrees Celsius is the threshold at which it is considered comfortable or ideal to live).

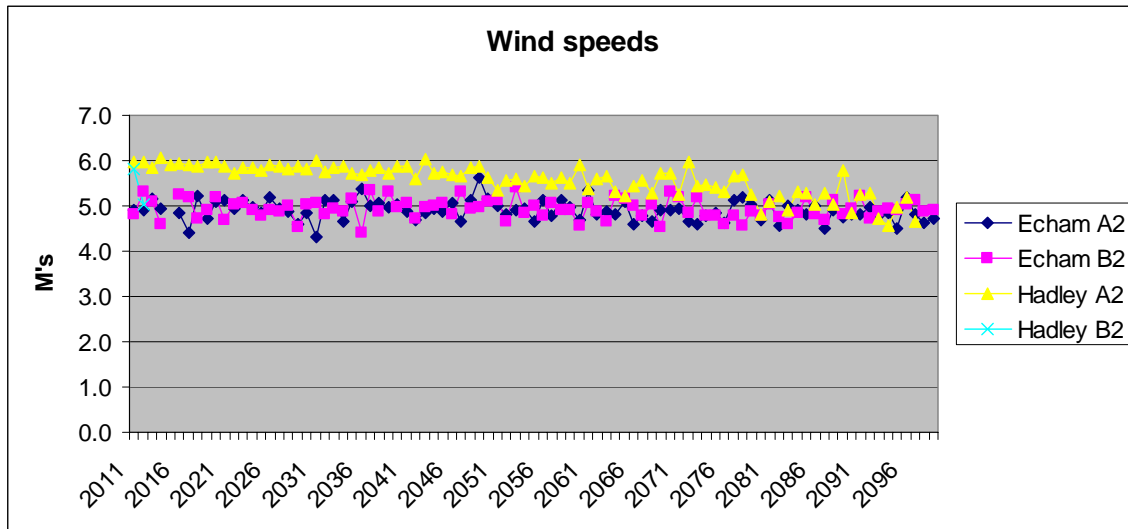


Preliminary investigation of the comfort index outputs only taking into consideration relative humidity by the ECHAM and Hadley models and using both scenario A2 and B2 reveals an increase from 2011 to 2099. The increase was from approximately 26.3 deg C to 28.5 deg C or 2.2 deg C increase. This output would give an increase of 0.03 deg C per year.



Preliminary investigation of the comfort index outputs taking into consideration both relative humidity and temperature by the ECHAM and Hadley models and using both scenario A2 and B2 reveals an increase from 2011 to 2099. The increase was from approximately 23.5 deg C to 26.3 deg C or 2.8 deg C increase. This output would give an increase of 0.03 deg C per year.

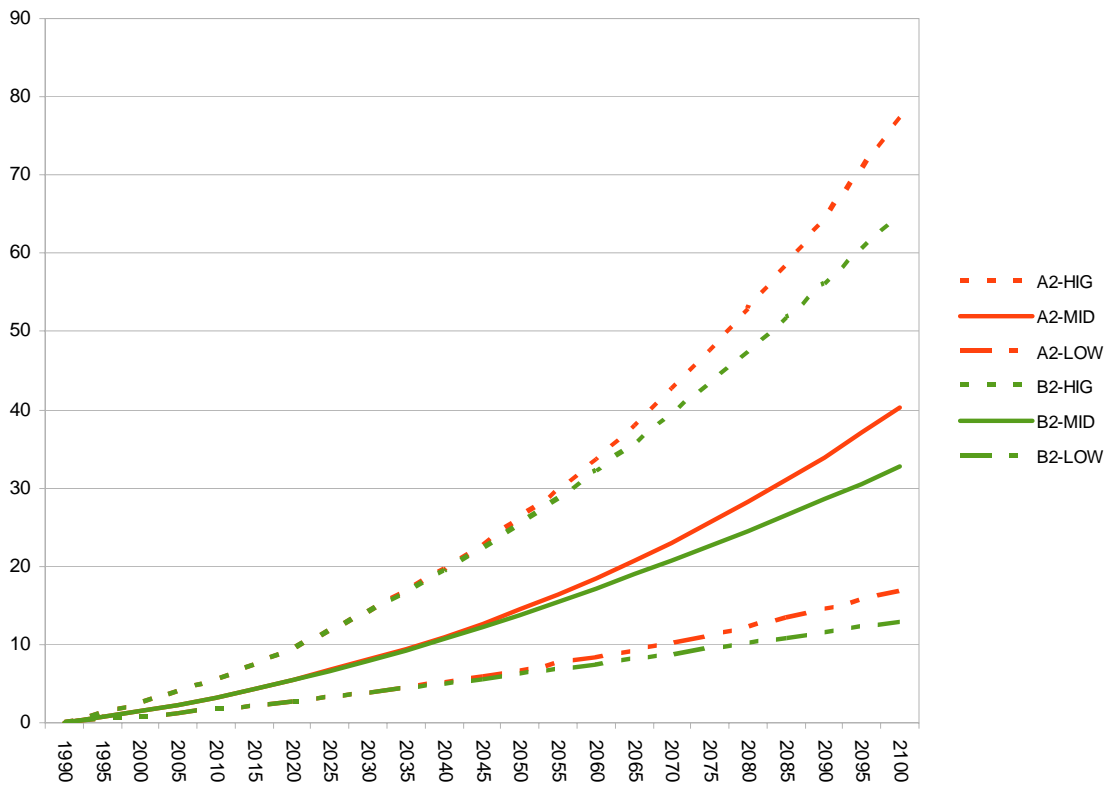
Wind Speeds



Preliminary investigation of the average wind speed outputs by the ECHAM and Hadley models and using both scenario A2 and B2 reveals a decrease from 2011 to 2099. The decrease was from approximately 5.5 meters per sec in 2011 to 5.0 meters per sec in 2099. This is a decrease of 0.5 meters per sec or rate of 0.01 meters per sec per year.

Sea-level rise

One of the most critical potential future impacts is that of sea level rise. The team arrived at estimates of future sea level rise utilizing the Model for the Assessment of Greenhouse-gas Induced Climate Change (MAGICC). The model uses two greenhouse gas emission scenarios (SRES A2 and SRES B2) and by each of these scenarios we use 3 different climate sensitivity levels to capture the uncertainties associated with this parameter.



It is noted that for all scenarios and all sensitivity levels the model shows increasing sea levels. The graph shows a 12 to 80 cm increase in sea levels or approximately 0.14 to 0.91 cm per year.

Conclusions

The workshop carried out by the team from the Caribbean Community Climate Change Centre (CCCCC), Belize provided the Cayman Islands with specific information on Climate Change for the Cayman Islands. Overall, the tendency is for a warmer future climate with decreased annual precipitation, but increasing sea levels.

The changes from 2011 to 2099 include an increase of 2 to 2.7 deg C for average temperature, 1.8 to 2.8 deg C for the average maximum temperature, 1.7 to 2.6 deg C for the average minimum temperature, 10 to 50 mm decrease in annual rainfall totals, little to no change in relative humidity, 2.2 to 2.8 C increase in the comfort index and a 12 to 80 cm increase in sea levels and a decrease in wind speed from 5.5 meters per sec to 5.0 meters per sec.

In comparing the observed changes in temperature with the forecast change we find that the temperature forecast calls for a slower rate of temperature increase than what has been observed over the past 39 years. A similar conclusion applies to the forecast maximum temperature, minimum temperature and relative humidity. When comparisons are carried out on wind speeds it is noted that the observed wind speeds have increased slightly while the forecast is for a decrease in wind speed.

References

Abel Centella and Arnaldo Bezanilla Institute of Meteorology, Cuba and Kenrick R. Leslie, Caribbean Community Climate Change Centre, Belize, *A Study of the Uncertainty in Future Caribbean Climate Using the PRECIS Regional Climate Model*

Annex: IPCC SRES Scenarios

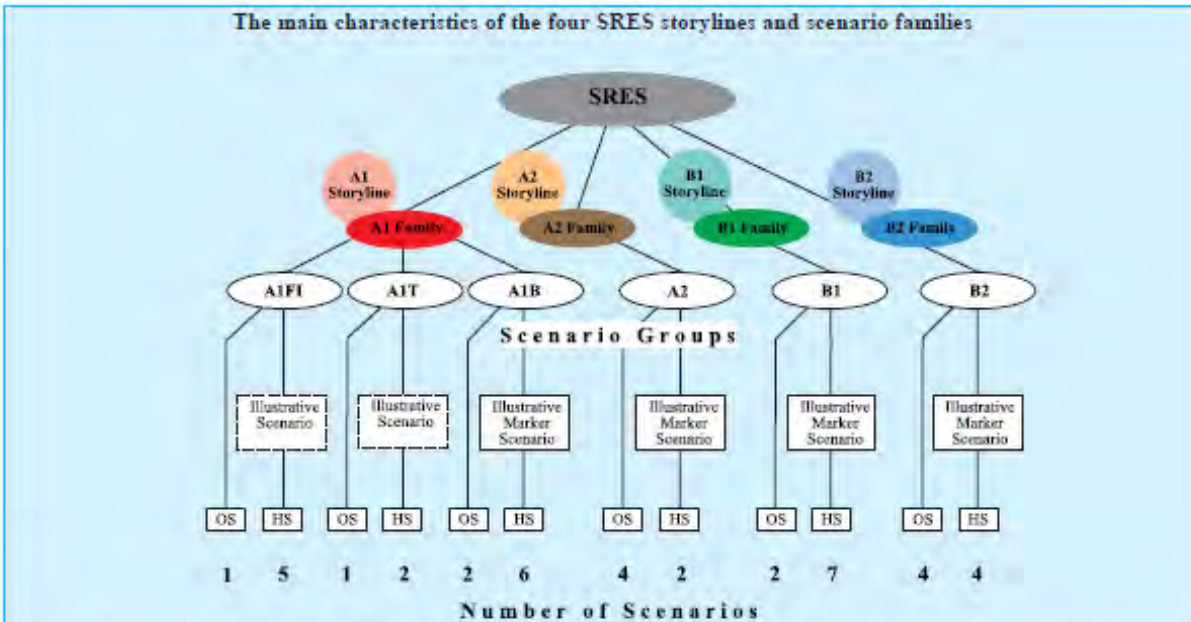


Figure 1: Schematic illustration of SRES scenarios. Four qualitative storylines yield four sets of scenarios called “families”: A1, A2, B1, and B2. Altogether 40 SRES scenarios have been developed by six modeling teams. All are equally valid with no assigned probabilities of occurrence. The set of scenarios consists of six scenario groups drawn from the four families: one group each in A2, B1, B2, and three groups within the A1 family, characterizing alternative developments of energy technologies: A1FI (fossil fuel intensive), A1B (balanced), and A1T (predominantly non-fossil fuel). Within each family and group of scenarios, some share “harmonized” assumptions on global population, gross world product, and final energy. These are marked as “HS” for harmonized scenarios. “OS” denotes scenarios that explore uncertainties in driving forces beyond those of the harmonized scenarios. The number of scenarios developed within each category is shown. For each of the six scenario groups an illustrative scenario (which is always harmonized) is provided. Four illustrative marker scenarios, one for each scenario family, were used in draft form in the 1998 SRES open process and are included in revised form in this Report. Two additional illustrative scenarios for the groups A1FI and A1T are also provided and complete a set of six that illustrates all scenario groups. All are equally sound.

By 2100 the world will have changed in ways that are difficult to imagine – as difficult as it would have been at the end of the 19th century to imagine the changes of the 100 years since. Each storyline assumes a distinctly different direction for future developments, such that the four storylines differ in increasingly irreversible ways. Together they describe divergent futures that encompass a significant portion of the underlying uncertainties in the main driving forces. They cover a wide range of key “future” characteristics such as demographic change, economic development, and technological change. For this reason, their plausibility or feasibility should not be considered solely on the basis of an extrapolation of *current* economic, technological, and social trends.

- The A1 storyline and scenario family describes a future world of very rapid economic growth, global population that peaks in mid-century and declines thereafter, and the rapid introduction of new and more efficient technologies. Major underlying themes are convergence among regions, capacity building, and increased cultural and social interactions, with a substantial reduction in regional differences in per capita income. The A1 scenario family develops into three groups that describe alternative directions of technological change in the energy system. The three A1 groups are distinguished by their technological emphasis: fossil intensive (A1FI), non-fossil energy sources (A1T), or a balance across all sources (A1B).³

³ Balanced is defined as not relying too heavily on one particular energy source, on the assumption that similar improvement rates apply to all energy supply and end use technologies.

- The A2 storyline and scenario family describes a very heterogeneous world. The underlying theme is self-reliance and preservation of local identities. Fertility patterns across regions converge very slowly, which results in continuously increasing global population. Economic development is primarily regionally oriented and per capita economic growth and technological change are more fragmented and slower than in other storylines.
- The B1 storyline and scenario family describes a convergent world with the same global population that peaks in mid-century and declines thereafter, as in the A1 storyline, but with rapid changes in economic structures toward a service and information economy, with reductions in material intensity, and the introduction of clean and resource-efficient technologies. The emphasis is on global solutions to economic, social, and environmental sustainability, including improved equity, but without additional climate initiatives.
- The B2 storyline and scenario family describes a world in which the emphasis is on local solutions to economic, social, and environmental sustainability. It is a world with continuously increasing global population at a rate lower than A2, intermediate levels of economic development, and less rapid and more diverse technological change than in the B1 and A1 storylines. While the scenario is also oriented toward environmental protection and social equity, it focuses on local and regional levels.

Source:

Intergovernmental Panel on Climate Change (2000). *Summary for Policymakers: Emissions Scenarios, A Special Report of IPCC Working Group III.*

Appendix 3 Hurricanes and Tropical Storms with Direct Impacts on The Cayman Islands, 1852-2008

| Date | Storm | Storm category at CPA | CPA Grand Cayman | CPA Little Cayman | CPA Cayman Brac | Max winds at CPA |
|------------|----------|-----------------------|------------------|-------------------|-----------------|------------------|
| 7/10/1852 | Storm 5 | II | 74 | | | 104 |
| 27/9/1857 | Storm 4 | II | 67 | | | 96 |
| 09/10/1865 | Storm 4 | II | | 14 | 7 | 104 |
| 10/06/1870 | Storm 6 | I | | 51 | 41 | 77 |
| 30/9/1873 | Storm 5 | TS | 51 | 29 | 27 | 46 |
| 17/10/1876 | Storm 5 | II | 32 | | | 96 |
| 13/08/1878 | Storm 2 | TS | | | | 58 |
| 19/10/1878 | Storm 11 | I | 8 | | | 69 |
| 04/10/1879 | Storm 6 | TS | 40 | 35 | 48 | 58 |
| 13/10/1879 | Storm 5 | TS | 46 | | | 46 |
| 07/08/1880 | Storm 2 | I | 69 | | | 104 |
| 06/27/1886 | Storm 3 | TS | | 11 | 20 | 58 |
| 08/07/1887 | Storm 5 | TS | | 65 | 53 | 40 |
| 10/12/1887 | Storm 13 | I | | 46 | 39 | 86 |
| 5/10/1891 | Storm 7 | TS | 28 | | | 52 |
| 26/8/1895 | Storm 2 | I | 30 | | | 98 |
| 20/10/1895 | Storm 5 | I | 41 | | | 104 |
| 26/9/1896 | Storm 4 | I | 25 | | | 102 |
| 16/10/1897 | Storm 5 | TS | 44 | | | 62 |
| 8/10/1898 | Storm 9 | TS | 21 | | | 58 |
| 10/28/1899 | Storm 8 | TS | | 21 | 4 | 73 |
| 7/6/1901 | Storm 2 | TS | | 5 | 12 | 69 |
| 9/14/1901 | Storm 7 | I | | 16 | 9 | 75 |
| 12/8/1903 | Storm 2 | III | 12 | 42 | 53 | 121 |
| 10/14/1904 | Storm 3 | TS | | 19 | 2 | 58 |
| 17/7/1909 | Storm 4 | TS | 43 | | | 62 |
| 7/8/1909 | Storm 5 | TS | 15 | | | 37 |
| 16/9/1909 | Storm 8 | I | 33 | 24 | 33 | 65 |
| 9/10/1909 | Storm 6 | II | | 60 | 52 | 100 |
| 9/9/1910 | Storm 3 | I | 34 | 26 | 34 | 81 |
| 11/21/1912 | Storm 6 | TS | 28 | | | 41 |
| 8/14/1915 | Storm 2 | III | 55 | 9 | 16 | 117 |
| 9/2/1915 | Storm 4 | I | 8 | | | 86 |
| 8/16/1916 | Storm 4 | I | 22 | 36 | 45 | 111 |
| 9/27/1917 | Storm 3 | III | | 31 | 22 | 115 |
| 8/4/1918 | Storm 1 | TS | 55 | | | 63 |
| 10/18/1927 | Storm 7 | TS | 40 | | | 41 |

| | | | | | | |
|------------|----------|-----|----|----|----|-----|
| 10/31/1927 | Storm 6 | TS | 12 | 24 | 21 | 46 |
| 9/3/1928 | Storm 3 | TS | 48 | | | 47 |
| 9/13/1931 | Storm 8 | TS | 64 | | | 46 |
| 11/8/1932 | Storm 10 | IV | 59 | 4 | 20 | 132 |
| 7/2/1933 | Storm 18 | I | 55 | 36 | 53 | 83 |
| 7/17/1933 | Storm 15 | TS | 71 | | | 83 |
| 8/17/1933 | Storm 6 | TS | 10 | | | 46 |
| 9/21/1933 | Storm 3 | I | 33 | 28 | 35 | 52 |
| 10/3/1933 | Storm 2 | I | 38 | | | 85 |
| 9/27/1935 | Storm 4 | III | | 22 | 14 | 121 |
| 8/12/1938 | Storm 2 | I | 55 | | | 92 |
| 10/31/1939 | Storm 5 | I | 8 | 34 | 36 | 90 |
| 8/21/1944 | Storm 11 | I | 7 | 44 | 58 | 92 |
| 10/15/1944 | Storm 4 | I | 32 | | | 86 |
| 10/12/1945 | Storm 11 | I | 75 | 7 | 22 | 76 |
| 9/20/1947 | Storm 6 | TS | | 3 | 15 | 40 |
| 9/19/1948 | Storm 7 | I | 7 | | | 89 |
| 10/16/1950 | King | I | | | 68 | 92 |
| 8/18/1951 | CHARLIE | II | 58 | | | 104 |
| 10/14/1951 | ITEM | I | 20 | | | 81 |
| 10/3/1953 | Storm 10 | TS | | | 66 | 40 |
| 8/23/1955 | Storm 5 | TS | 4 | | | 40 |
| 9/5/1955 | HILDA | II | 16 | 5 | 7 | 92 |
| 5/23/1970 | ALMA | TS | 16 | 7 | 21 | 40 |
| 9/20/1973 | GILDA | TS | 56 | 15 | 3 | 48 |
| 9/20/1975 | ELOISE | TS | 36 | 15 | 13 | 40 |
| 8/6/1980 | ALLEN | IV | | 23 | 11 | 142 |
| 5/7/1981 | ARLENE | TS | 38 | 20 | 11 | 46 |
| 11/5/1981 | KATRINA | TS | 21 | 36 | 46 | 83 |
| 9/13/1988 | GILBERT | IV | 24 | | | 150 |
| 9/19/2002 | ISIDORE | I | 52 | 18 | 9 | 69 |
| 9/30/2002 | LILI | TS | | 9 | 4 | 73 |
| 8/12/2004 | CHARLEY | I | 32 | 44 | 58 | 92 |
| 9/12/2004 | IVAN | IV | 22 | | | 155 |
| 8/17/2008 | FAY | TS | | | 73 | 52 |
| 8/30/2008 | GUSTAV | I | 52 | 22 | 33 | 94 |
| 11/7/2008 | PALOMA | IV | 33 | 13 | 9 | 135 |



Cat IV Distances in statute miles

Cat III Max winds at CPA in miles per hour

CPA (Closest Point of Approach) has to be below 75 statute miles to be a direct hit

Source: Cayman Islands National Weather Service, 2010

Appendix 4 Licensed Tourism Properties, 2009/10

| Name | Category | Island | Total Number of Units | Total Number of Bedrooms | Total Number of Beds |
|------------------------------------|-----------|--------------|-----------------------|--------------------------|----------------------|
| Grand Cayman | | | | | |
| Cayman Club, The | Apartment | Grand Cayman | 2 | 8 | 8 |
| Coral Sands Resort | Apartment | Grand Cayman | 12 | 24 | 48 |
| Northern Lights [4,6] | Apartment | Grand Cayman | 2 | 4 | 6 |
| Sealodge # 23 | Apartment | Grand Cayman | 1 | 2 | 2 |
| Anchorage Condominiums, The | Apartment | Grand Cayman | 14 | 32 | 52 |
| Aqua Bay Club | Apartment | Grand Cayman | 20 | 39 | 72 |
| Aqua Bay Club #10 | Apartment | Grand Cayman | 20 | 39 | 72 |
| Avalon Condominiums, The | Apartment | Grand Cayman | 16 | 48 | 67 |
| Avalon Condominiums, The 12 | Apartment | Grand Cayman | 16 | 48 | 67 |
| Azure Breeze # 2 | Apartment | Grand Cayman | 1 | 3 | 4 |
| Azure Breeze # 5 | Apartment | Grand Cayman | 1 | 3 | 4 |
| Azure Breeze # 6 | Apartment | Grand Cayman | 1 | 3 | 2 |
| Beachcomber | Apartment | Grand Cayman | 22 | 62 | 80 |
| Beachcomber 5, 29 | Apartment | Grand Cayman | 22 | 62 | 80 |
| Blue 92 | Apartment | Grand Cayman | 1 | 1 | 1 |
| Bonnie's Arch # 101 | Apartment | Grand Cayman | 1 | 3 | 6 |
| Britannia Villas (PP) | Apartment | Grand Cayman | 5 | 15 | 21 |
| Caribbean Paradise (9) | Apartment | Grand Cayman | 1 | 3 | 5 |
| Casa Caribe | Apartment | Grand Cayman | 17 | 50 | 75 |
| Cayman Club, The # 2,15,19,22 | Apartment | Grand Cayman | 3 | 11 | 13 |
| Cayman Reef Resort #3 | Apartment | Grand Cayman | 1 | 1 | 1 |
| Cayman Reef Resort [Cayman Villas] | Apartment | Grand Cayman | 3 | 5 | 9 |
| Christopher Columbus | Apartment | Grand Cayman | 30 | 78 | 120 |
| Coconut Bay [102,117] | Apartment | Grand Cayman | 2 | 6 | 8 |
| Coconut Bay [123] | Apartment | Grand Cayman | 1 | 3 | 3 |
| Coconut Bay Getaway [114] | Apartment | Grand Cayman | 1 | 2 | 4 |
| Cocoplum | Apartment | Grand Cayman | 5 | 10 | 15 |
| Colonial Club, The | Apartment | Grand Cayman | 3 | 8 | 9 |
| Compass Point | Apartment | Grand Cayman | 17 | 25 | 29 |
| Coral Bay Village-Bldg 1 / Apt #1 | Apartment | Grand Cayman | 1 | 2 | 3 |
| Coral Stone Club [Strata] | Apartment | Grand Cayman | 32 | 96 | 124 |
| Crescent Point Resort (Strata) | Apartment | Grand Cayman | 7 | 21 | 28 |
| Crescent Point # 12,15 | Apartment | Grand Cayman | 2 | 6 | 8 |
| Discovery Point Club | Apartment | Grand Cayman | 35 | 70 | 140 |

| | | | | | |
|---|-----------|--------------|----|----|----|
| Discovery Point Club #15, #37 | Apartment | Grand Cayman | 2 | 4 | 8 |
| Gardens of the Kai [1-4, 8,9,10, 11,] | Apartment | Grand Cayman | 9 | 20 | 31 |
| George Town Villas # 202 | Apartment | Grand Cayman | 1 | 2 | 4 |
| George Town Villas # 203 | Apartment | Grand Cayman | 1 | 2 | 3 |
| George Town Villas #109 & 315 | Apartment | Grand Cayman | 2 | 4 | 6 |
| George Town Villas #117 | Apartment | Grand Cayman | 1 | 2 | 3 |
| George Town Villas #218 | Apartment | Grand Cayman | 1 | 2 | 5 |
| George Town Villas (107,115) | Apartment | Grand cayman | 2 | 4 | 8 |
| George Town Villas (113,318) | Apartment | Grand Cayman | 2 | 4 | 8 |
| George Town Villas (316) | Apartment | Grand Cayman | 1 | 2 | 4 |
| Geroge Town Villas #303 | Apartment | Grand Cayman | 1 | 2 | 3 |
| Grand View Condos | Apartment | Grand Cayman | 17 | 35 | 64 |
| Grand View Condos 231,632 [PP] | Apartment | Grand Cayman | 2 | 5 | 9 |
| Grandview 1212 | Apartment | Grand Cayman | 1 | 2 | 4 |
| Harbour Heights | Apartment | Grand Cayman | 28 | 58 | 84 |
| Heritage Club, The | Apartment | Grand Cayman | 10 | 20 | 48 |
| Heritage Club, The 2,10,15 | Apartment | Grand Cayman | 14 | 28 | 68 |
| Island House # 17 (Kai Kotch) | Apartment | Grand Cayman | 1 | 2 | 3 |
| Island House # 19 | Apartment | Grand Cayman | 1 | 2 | 3 |
| Island House [12, 21] | Apartment | Grand Cayman | 3 | 6 | 6 |
| Island House 14 | Apartment | Grand Cayman | 1 | 2 | 3 |
| Islands Club | Apartment | Grand Cayman | 16 | 37 | 54 |
| Kaibo Yacht Club (Phase I) A1, C11, C12, D15, | Apartment | Grand Cayman | 4 | 8 | 13 |
| Kaibo Yacht Club A1, A2, A3, A9, B14 (Phase II) | Apartment | Grand Cayman | 5 | 10 | 18 |
| Kaibo Yacht Club A10 (Phase II) | Apartment | Grand Cayman | 1 | 2 | 4 |
| Kaibo Yacht Club A4 Phase 2 | Apartment | Grand Cayman | 1 | 2 | 2 |
| Kaibo Yacht Club B17 (Phase II) | Apartment | Grand Cayman | 1 | 2 | 2 |
| Kaibo Yacht Club B18, B20, C26, C29 (Phase II) | Apartment | Grand Cayman | 4 | 8 | 15 |
| Kaibo Yacht Club B8 (Phase I) | Apartment | Grand Cayman | 1 | 2 | 3 |
| Kaibo Yacht Club C 22 (Phase 2) | Apartment | Grand Cayman | 1 | 2 | 2 |
| Kaibo Yacht Club C 23 (Phase 2) | Apartment | Grand Cayman | 1 | 2 | 3 |

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|---|-----------|--------------|-----|-----|-----|
| Kaibo Yacht Club D14 Phase 1 | Apartment | Grand Cayman | 1 | 2 | 3 |
| Kaibo Yacht Club E18 - Phase 1 (Kaibo - Kai) | Apartment | Grand Cayman | 1 | 2 | 2 |
| Kaibo Yacht Club-A7, B16 (Phase II) | Apartment | Grand Cayman | 2 | 4 | 5 |
| Lacovia Condominiums | Apartment | Grand Cayman | 33 | 71 | 104 |
| London House | Apartment | Grand Cayman | 20 | 37 | 52 |
| Mahogany Point #4 | Apartment | Grand Cayman | 1 | 3 | 3 |
| Mahogany Point (3) | Apartment | Grand Cayman | 1 | 3 | 5 |
| Meridian, The | Apartment | Grand Cayman | 22 | 64 | 82 |
| Nautilus Apartments | Apartment | Grand Cayman | 3 | 6 | 9 |
| North Point # 202 | Apartment | Grand Cayman | 1 | 2 | 3 |
| North Point Condos [100-104, 200,201,203] | Apartment | Grand Cayman | 10 | 20 | 20 |
| North Pointe Condos #204 'Oceans Edge' | Apartment | Grand Cayman | 1 | 2 | 4 |
| Northern Lights (3) | Apartment | Grand Cayman | 1 | 2 | 3 |
| On the Bay # 104,311 | Apartment | Grand Cayman | 2 | 5 | 7 |
| On the Bay # 205 | Apartment | Grand Cayman | 1 | 3 | 3 |
| Palacade # 2 | Apartment | Grand Cayman | 1 | 4 | 7 |
| Plantana Condos | Apartment | Grand Cayman | 36 | 66 | 117 |
| Plantation Village Beach Resort | Apartment | Grand Cayman | 56 | 112 | 168 |
| Pools # 10, 12 | Apartment | Grand Cayman | 2 | 3 | 6 |
| Pools [2] | Apartment | Grand Cayman | 1 | 2 | 3 |
| Pools of the Kai #1 | Apartment | Grand Cayman | 1 | 1 | 2 |
| Pools of the Kai [5,6,7,9,11] | Apartment | Grand Cayman | 5 | 8 | 11 |
| Reef Resort, The (+ Castaways Cove) | Apartment | Grand Cayman | 152 | 166 | 332 |
| Regal Beach # 523 | Apartment | Grand Cayman | 1 | 2 | 3 |
| Regal Beach Club [Strata] | Apartment | Grand Cayman | 21 | 44 | 67 |
| Regal Beach Resort [111, 431, 513,523,631] | Apartment | Grand Cayman | 4 | 9 | 17 |
| Rum Cove # 2 & Rum Haven # 1 | Apartment | Grand Cayman | 3 | 3 | 4 |
| Seacliff - Orange | Apartment | Grand Cayman | 1 | 3 | 4 |
| Sealodge #16 & #18 | Apartment | Grand Cayman | 1 | 2 | 3 |
| Sealodge #17 (Kozy Kai) | Apartment | Grand Cayman | 1 | 1 | 1 |
| Seven Mile Beach Resort & Club | Apartment | Grand Cayman | 35 | 70 | 105 |
| Silver Sands Condominiums | Apartment | Grand Cayman | 15 | 33 | 51 |
| Sundowner [3,11] | Apartment | Grand Cayman | 2 | 5 | 7 |
| Tamarind Bay Condominiums | Apartment | Grand Cayman | 8 | 18 | 35 |
| The Renaissance | Apartment | Grand Cayman | 6 | 19 | 25 |

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|--------------------------------|-------------|--------------|----|----|-----|----------------------|-------------|
| The Terraces at Camana Bay | Apartment | Grand Cayman | 2 | 4 | 4 | | |
| Treasure Island #217 | Apartment | Grand Cayman | 1 | 2 | 3 | | |
| Treasure Island Condos [104] | Apartment | Grand Cayman | 1 | 3 | 4 | | |
| Turtle Nest Condos | Apartment | Grand Cayman | 9 | 18 | 26 | | |
| Villas of the Galleon [32, 33] | Apartment | Grand Cayman | 2 | 4 | 5 | | |
| Villas of the Galleon [Strata] | Apartment | Grand Cayman | 55 | 99 | 168 | | |
| Villas Pappagallo [7,] | Apartment | Grand Cayman | 1 | 1 | 3 | | |
| Villas Pappagallo [Strata] | Apartment | Grand Cayman | 9 | 18 | 19 | | |
| White Sands # 16 | Apartment | Grand Cayman | 1 | 2 | 3 | | |
| White Sands [3,9,11] | Apartment | Grand Cayman | 3 | 3 | 6 | | |
| Dicovery Point # 36 | Apartment | Grand Cayman | 3 | 3 | 6 | | |
| Lacovia # 8 & 40 | Apartment | Grand Cayman | 3 | 3 | 6 | | |
| Cotton Tree | Apartment | Grand Cayman | 5 | 9 | 11 | GCM Apt Total | 2042 |
| Moon Glow | Guest House | Grand Cayman | 1 | 2 | 2 | | |
| Barefoot Kai | Guest House | Grand Cayman | 1 | 3 | 5 | | |
| Beachplum | Guest House | Grand Cayman | 1 | 4 | 4 | | |
| Blue Lagoon | Guest House | Grand Cayman | 1 | 4 | 5 | | |
| Calypso Blue | Guest House | Grand Cayman | 1 | 4 | 6 | | |
| Castaway Cove Guest House | Guest House | Grand Cayman | 1 | 4 | 5 | | |
| Cayman Castle | Guest House | Grand Cayman | 1 | 6 | 8 | | |
| Cayman Chillin | Guest House | Grand Cayman | 1 | 3 | 4 | | |
| Cayman Dream | Guest House | Grand Cayman | 1 | 2 | 4 | | |
| Cayman Sands | Guest House | Grand Cayman | 1 | 6 | 10 | | |
| Caymanease | Guest House | Grand Cayman | 1 | 3 | 5 | | |
| Coco Kai | Guest House | Grand Cayman | 1 | 5 | 6 | | |
| Coconut Beach | Guest House | Grand Cayman | 1 | 4 | 6 | | |
| Conquered Fame | Guest House | Grand Cayman | 1 | 4 | 6 | | |
| Cool Change | Guest House | Grand Cayman | 1 | 2 | 3 | | |
| Coral Kai | Guest House | Grand Cayman | 1 | 5 | 5 | | |
| Coral Reef | Guest House | Grand Cayman | 1 | 5 | 9 | | |
| Desert Rose Cottage | Guest House | Grand Cayman | 1 | 2 | 3 | | |
| Ecstasea | Guest House | Grand Cayman | 1 | 5 | 7 | | |
| Fantasea | Guest House | Grand Cayman | 1 | 2 | 3 | | |
| Far Tortuga | Guest House | Grand Cayman | 1 | 5 | 7 | | |
| Fishbones | Guest House | Grand Cayman | 1 | 3 | 3 | | |
| Great Escape | Guest House | Grand Cayman | 1 | 4 | 7 | | |
| Gypsy | Guest House | Grand Cayman | 1 | 4 | 6 | | |
| Halcyon Days | Guest house | Grand Cayman | 1 | 2 | 4 | | |
| Harbour View | Guest House | Grand Cayman | 12 | 12 | 18 | | |
| Hilltime | Guest House | Grand Cayman | 1 | 4 | 4 | | |
| Innesfree | Guest House | Grand Cayman | 1 | 3 | 4 | | |
| Jeff's Private Guesthomes | Guest House | Grand Cayman | 2 | 4 | 5 | | |

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|------------------------------------|-------------|--------------|-----|-----|------------|
| Jewel of The Kai | Guest House | Grand Cayman | 1 | 3 | 3 |
| Kai Boose | Guest House | Grand Cayman | 1 | 2 | 3 |
| Kai 'Conut | Guest House | Grand Cayman | 1 | 5 | 6 |
| Kai Ku Apartment/ Guest House | Guest House | Grand Cayman | 1 | 7 | 11 |
| Kai Rumba | Guest House | Grand Cayman | 1 | 3 | 3 |
| Kai Vista | Guest House | Grand Cayman | 1 | 4 | 4 |
| Kailypso | Guest House | Grand Cayman | 1 | 3 | 5 |
| Kai-Yak Cove | Guest House | Grand Cayman | 1 | 2 | 3 |
| Kirk Kove | Guest House | Grand Cayman | 1 | 2 | 4 |
| Mahogany Cove (Cayman Villas) | Guest House | Grand Cayman | 1 | 4 | 9 |
| No Snow | Guest House | Grand Cayman | 1 | 6 | 6 |
| Och Kai | Guest House | Grand Cayman | 1 | 4 | 9 |
| Parrot -ise | Guest House | Grand Cayman | 1 | 4 | 4 |
| Pease Bay House | Guest House | Grand Cayman | 1 | 5 | 7 |
| Pelican Point | Guest House | Grand Cayman | 1 | 4 | 6 |
| Pieces of Eight | Guest House | Grand Cayman | 1 | 6 | 7 |
| Reef Romance | Guest House | Grand Cayman | 1 | 5 | 5 |
| Sand Castle | Guest House | Grand Cayman | 1 | 5 | 5 |
| Scuba Shack | Guest House | Grand Cayman | 1 | 3 | 5 |
| Sea Cove | Guest House | Grand Cayman | 1 | 2 | 3 |
| Seven Treasures | Guest House | Grand Cayman | 1 | 5 | 7 |
| Shangri La Bed and Breakfast | Guest House | Grand Cayman | 1 | 8 | 10 |
| Spanish Bay Getaway | Guest House | Grand Cayman | 1 | 4 | 5 |
| Tara Sand | Guest House | Grand Cayman | 1 | 4 | 5 |
| Thatch Hill | Guest House | Grand Cayman | 1 | 2 | 5 |
| The Retreat at Lookout Farms | Guest House | Grand Cayman | 1 | 8 | 9 |
| Treasure Cove | Guest House | Grand Cayman | 1 | 4 | 4 |
| Turtle Nest Inn | Guest House | Grand Cayman | 8 | 8 | 15 |
| Two Rainbows | Guest House | Grand Cayman | 1 | 5 | 7 |
| Villa Bellagio | Guest House | Grand Cayman | 1 | 5 | 9 |
| Villa Emmanuel | Guest House | Grand Cayman | 1 | 5 | 7 |
| We'll Sea | Guest House | Grand Cayman | 1 | 2 | 2 |
| Windsong | Guest House | Grand Cayman | 1 | 4 | 6 |
| Windward Cove | Guest House | Grand Cayman | 1 | 4 | 5 |
| Heritage House | Guesthouse | Grand Cayman | 1 | 4 | 4 |
| Sea Spray Cottage | Guesthouse | Grand Cayman | 1 | 1 | 1 |
| Caribbean Club | Hotel | Grand Cayman | 25 | 76 | 130 |
| Grand Cayman Marriott Beach Resort | Hotel | Grand Cayman | 295 | 295 | 377 |
| Ramada Grand Caymanian Resort | Hotel | Grand Cayman | 89 | 95 | 142 |
| Cobalt Coast Resort | Hotel | Grand Cayman | 21 | 21 | 47 |
| Comfort Suites and Resort | Hotel | Grand Cayman | 112 | 126 | 266 |
| GCM GH Total | | | | | 268 |

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|---|-------------|---------------|-----|-----|-----|------------------------|-------------|
| Grand Cayman Beach Suites | Hotel | Grand Cayman | 53 | 62 | 116 | | |
| Morritts Grand Resort | Hotel | Grand Cayman | 40 | 64 | 128 | | |
| Morritt's Tortuga Club & Resort | Hotel | Grand Cayman | 146 | 191 | 331 | | |
| Ritz-Carlton, Grand Cayman | Hotel | Grand Cayman | 365 | 365 | 732 | | |
| Sunshine Suites | Hotel | Grand Cayman | 126 | 126 | 201 | | |
| Westin Casuarina Resort | Hotel | Grand Cayman | 343 | 345 | 440 | GCM Hotel Total | 1766 |
| Cayman Brac | | | | | | GCM Total | 4076 |
| Carib Sands Beach Resort | Apartment | Cayman Brac | 15 | 27 | 29 | | |
| Carib Sands [124] | Apartment | Cayman Brac | 1 | 1 | 2 | | |
| Cayman Breakers | Apartment | Cayman Brac | 9 | 18 | 18 | | |
| Ocean Wave Apartments | Apartment | Cayman Brac | 1 | 2 | 2 | | |
| Southern Palms | Apartment | Cayman Brac | 2 | 2 | 2 | CYB Hotel Total | 50 |
| Brac Paradise Cottage | Guest House | Cayman Brac | 1 | 3 | 4 | | |
| Captain's Cove | Guest House | Cayman Brac | 1 | 2 | 2 | | |
| Featherstone | Guest House | Cayman Brac | 1 | 1 | 2 | | |
| Garden Estate, The | Guest House | Cayman Brac | 1 | 4 | 5 | | |
| Island Time | Guest House | Cayman Brac | 1 | 3 | 5 | | |
| Johanson Cottage | Guest House | Cayman Brac | 1 | 3 | 4 | | |
| Lankford House | Guest House | Cayman Brac | 1 | 2 | 3 | | |
| Paradise Found | Guest House | Cayman Brac | 1 | 2 | 3 | | |
| Parrot's Cove | Guest House | Cayman Brac | 1 | 1 | 2 | | |
| Sea Feather | Guest House | Cayman Brac | 1 | 2 | 3 | | |
| Secluded Sunsets | Guest House | Cayman Brac | 1 | 1 | 2 | | |
| Sonscape | Guest House | Cayman Brac | 1 | 1 | 1 | | |
| Southern Reach | Guest House | Cayman Brac | 1 | 2 | 4 | | |
| Three Palms | Guest House | Cayman Brac | 1 | 4 | 6 | | |
| Villa Marbella | Guest House | Cayman Brac | 1 | 5 | 12 | | |
| Walton's Mango Manor | Guest House | Cayman Brac | 6 | 7 | 11 | | |
| Cayman Cottage | Guesthouse | Cayman Brac | 1 | 1 | 2 | | |
| Paso de los Caracoles | Guesthouse | Cayman Brac | 1 | 4 | 5 | CYB Hotel Total | 48 |
| Alexander Hotel, The | Hotel | Cayman Brac | 31 | 33 | 41 | | |
| Brac Reef Beach Resort | Hotel | Cayman Brac | 41 | 41 | 72 | | |
| La Esperanza | Hotel | Cayman Brac | 5 | 11 | 12 | CYB Hotel Total | 85 |
| Little Cayman | | | | | | CYB Total | 183 |
| Club, The | Apartment | Little Cayman | 5 | 15 | 23 | | |
| Conch Club Condominiums | Apartment | Little Cayman | 12 | 26 | 46 | | |
| Sir Turtle Beach Villas | Apartment | Little Cayman | 1 | 4 | 9 | LYC Apt. Total | 45 |
| Blossom Village Cottage (Little Cayman) | Guest House | Little Cayman | 1 | 3 | 5 | | |
| Casa Cassiopeia | Guest House | Little Cayman | 1 | 5 | 9 | | |
| Head O'Bay | Guest House | Little Cayman | 1 | 2 | 2 | | |
| Mam's Palace | Guest House | Little Cayman | 1 | 2 | 2 | | |
| My Way Resort Cottages | Guesthouse | Little Cayman | 1 | 1 | 2 | | |
| Little Cayman Cottage | Guest House | Little Cayman | 1 | 2 | 4 | LYC GH Total | 15 |

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|----------------------------|-------|---------------|----|----|----|------------------------|------------|
| Little Cayman Beach Resort | Hotel | Little Cayman | 40 | 40 | 80 | | |
| Paradise Villas | Hotel | Little Cayman | 12 | 12 | 14 | | |
| Pirates Point Resort | Hotel | Little Cayman | 11 | 11 | 30 | | |
| Southern Cross Club | Hotel | Little Cayman | 12 | 13 | 13 | LYC Hotel Total | 76 |
| | | | | | | LYC Total | 136 |