

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.

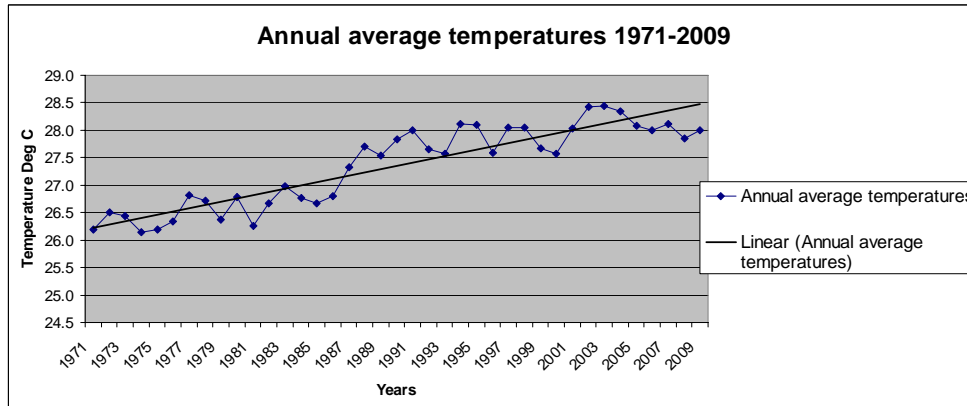
Introduction

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.

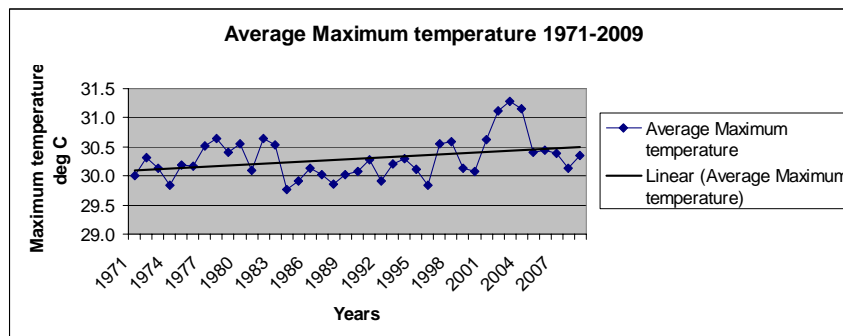
This team produced outputs for future climate of the Cayman Islands using the Hadley PRECIS Regional Climate Model (RCM), forced by the HADCM3 and ECHAM4 Global Climate Model at a resolution of 50 km for the Caribbean with IPCC (Special Report on Emissions Scenarios) SRES A2 and B2 scenarios (See Annex)odel 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

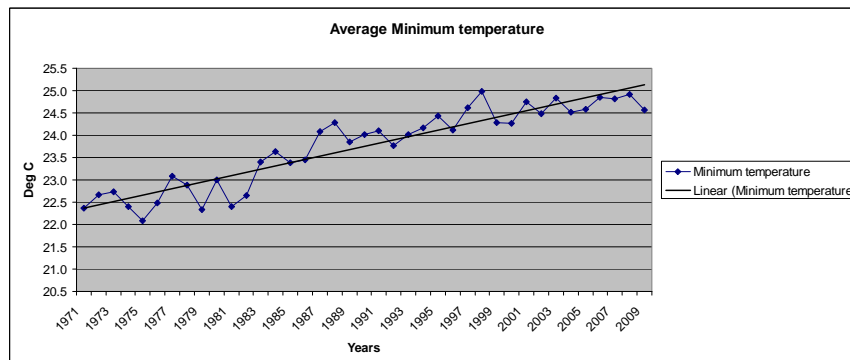
Temperature



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.

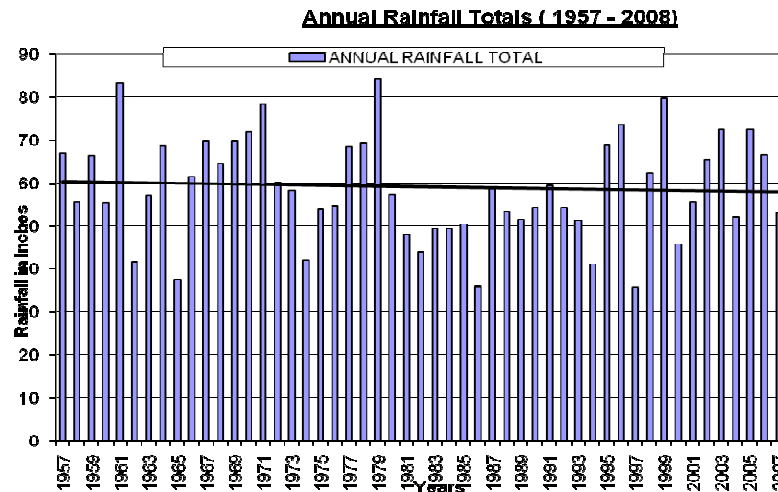


An initial investigation of the observed annual average maximum temperatures for the Cayman Islands recorded by the National Weather Service at the Owen Roberts International Airport reveals an increase in average maximum temperature from approximately 30.1 deg C in 1971 to 30.5 deg C in 2009. This is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



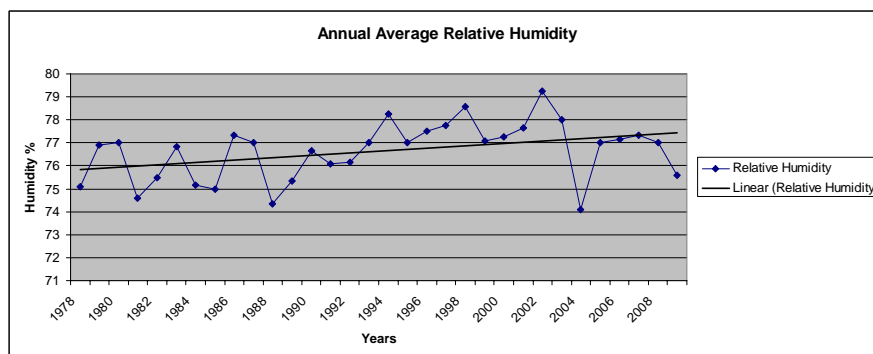
An initial investigation of the observed annual average minimum temperatures for the Cayman Islands recorded by the National Weather Service at the Owen Roberts International Airport reveals an increase in average minimum temperature from approximately 22.3 deg C in 1971 to 25.2 deg C in 2009. This is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

Rainfall



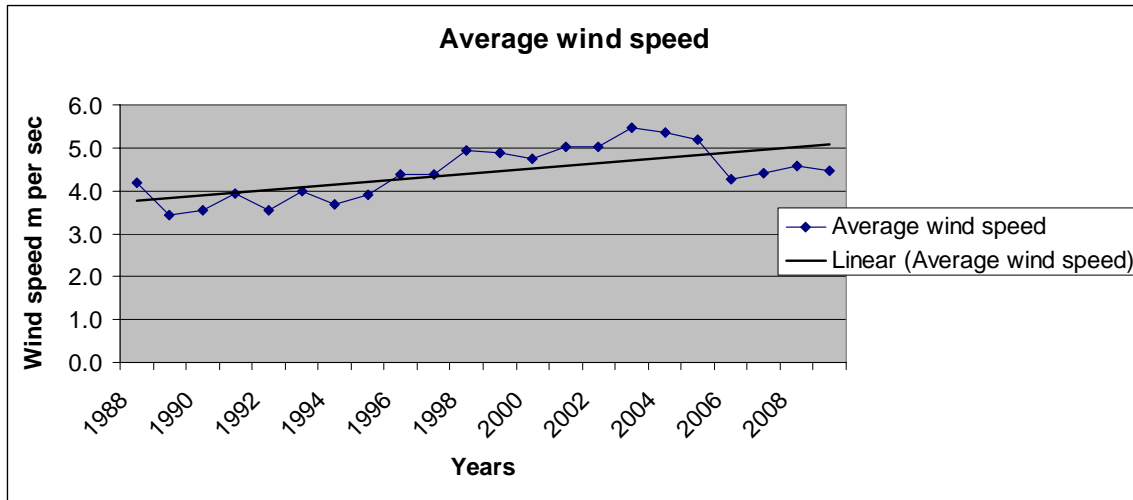
An initial investigation of the observed annual rainfall total for the Cayman Islands recorded by the National Weather Service at the Owen Roberts International Airport reveals a decrease in rainfall from approximately 60 inches in 1957 to 58 inches in 2008. This is a decrease of 2 inches in 51 years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

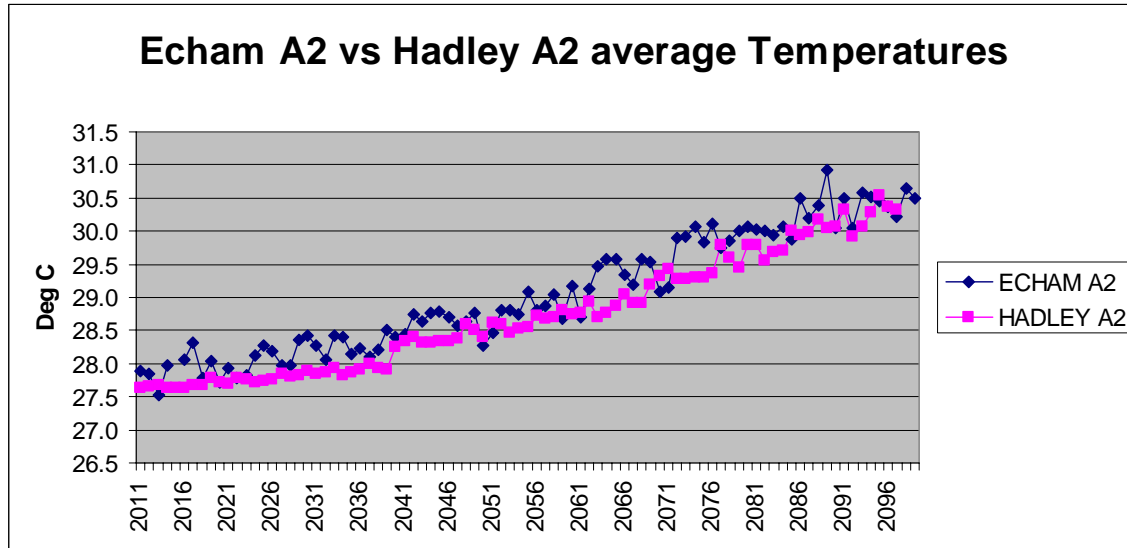
The team utilized the PRECIS regional climate model (RCM) to produce predictions for a number of climate variables for the Cayman Islands. The model variables predicted included Temperature (maximum, average and minimum), Humidity, Rainfall, Winds Speed and Sea-Level Rise.

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.

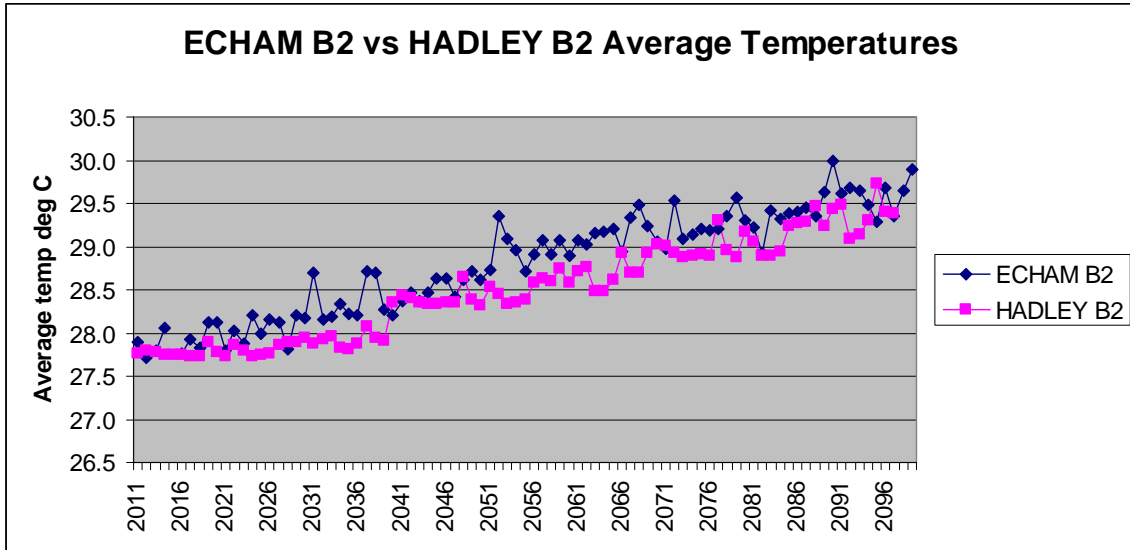
Future trends

Temperature



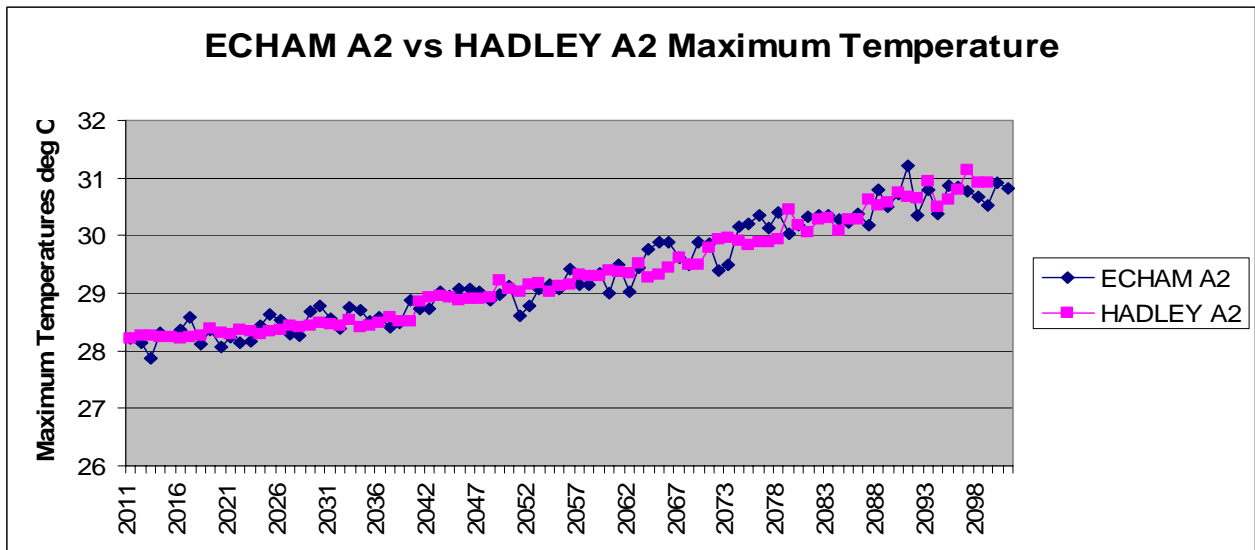
Preliminary investigation from the ECHAM and Hadley models using scenario A2 show an increasing average temperature. The average temperature increases from approximately 27.8 deg C to 30.5 deg C from 2011 to 2099, an increase of 2.7 deg C or 0.03 deg C per year.

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.

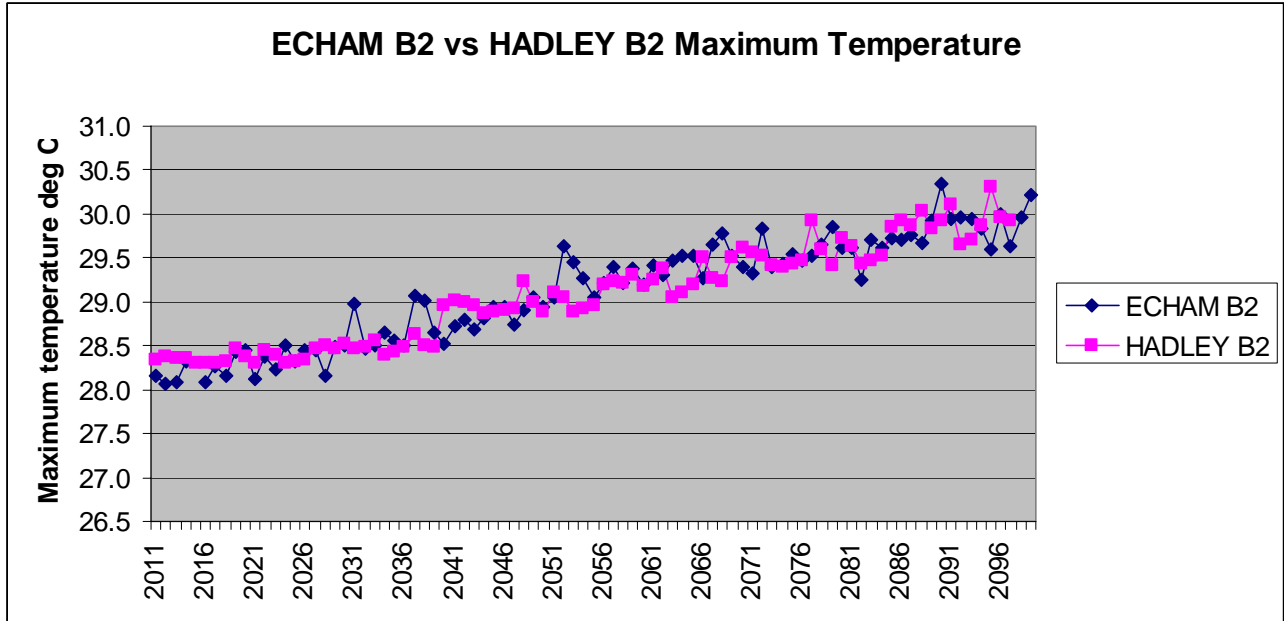


Preliminary investigation from the ECHAM and Hadley models using scenario B2 show an increasing average temperature. The average temperature increases from approximately 27.8 deg C to 29.8 deg C from 2011 to 2099, an increase of 2.0 deg C or 0.02 deg C per year. The ECHAM B2 is observed to be slightly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

Maximum Temperature

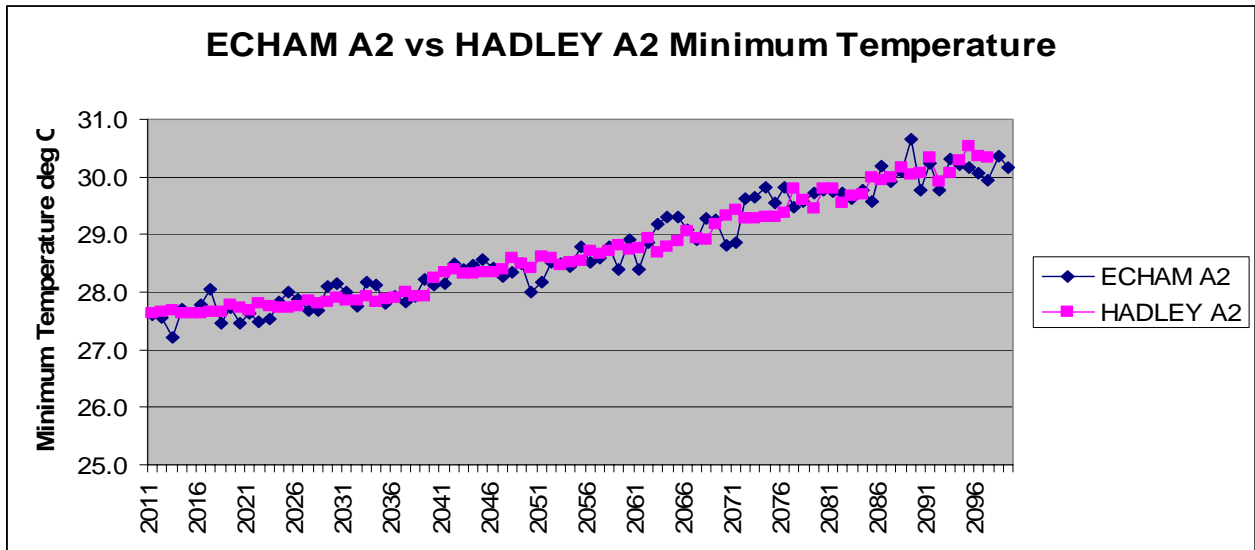


Preliminary investigation from the ECHAM and Hadley models using scenario A2 shows an increasing average maximum temperature. The average maximum temperature increases from approximately 28.2 deg C to 31.0 deg C from 2011 to 2099, an increase of 2.8 deg C or 0.03 deg C per year. There is little to no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

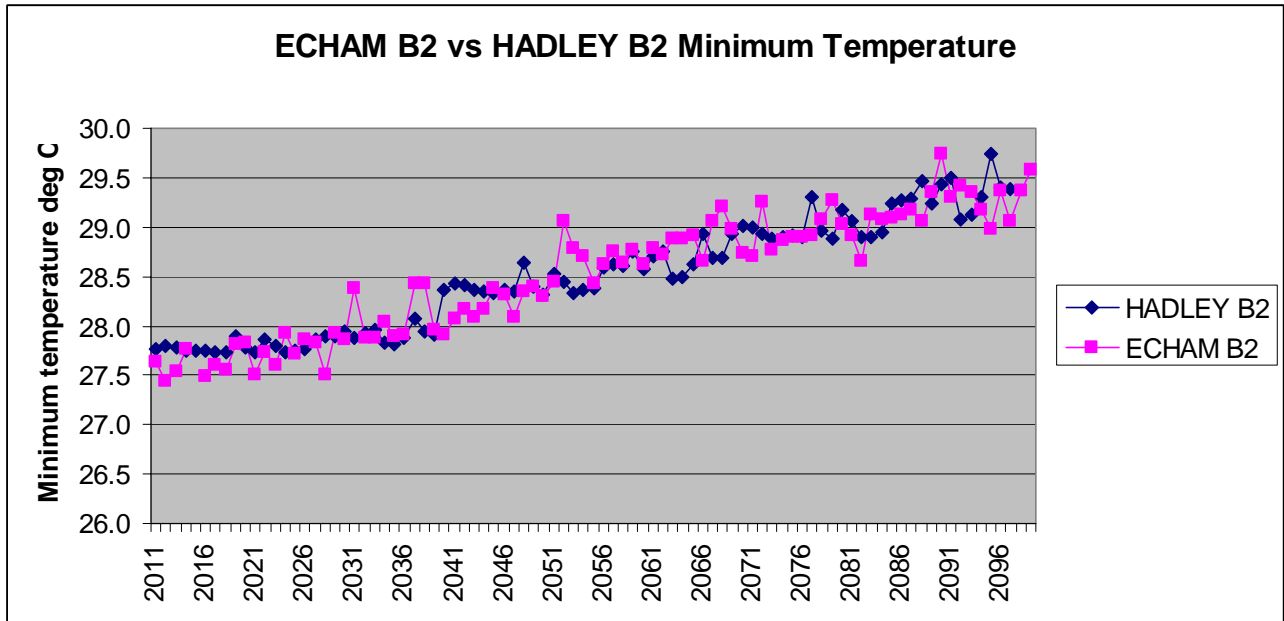


Preliminary investigation from the ECHAM and Hadley models using scenario B2 shows an increasing average maximum temperature. The average maximum temperature increases from approximately 28.3 deg C to 30.1 deg C from 2011 to 2099, an increase of 1.8 deg C or 0.02 deg C per year. There is little to no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

Minimum Temperature

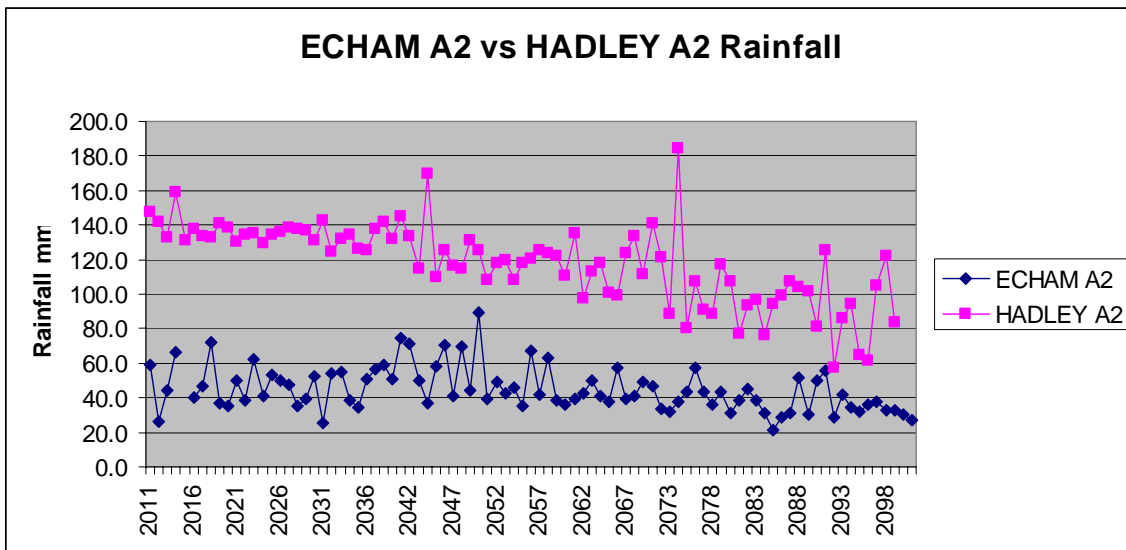


Preliminary investigation from the ECHAM and Hadley models using scenario A2 shows an increasing average minimum temperature. The average minimum temperature increases from approximately 27.6 deg C to 30.2 deg C from 2011 to 2099, an increase of 2.6 deg C or 0.03 deg C per year. There is little to no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



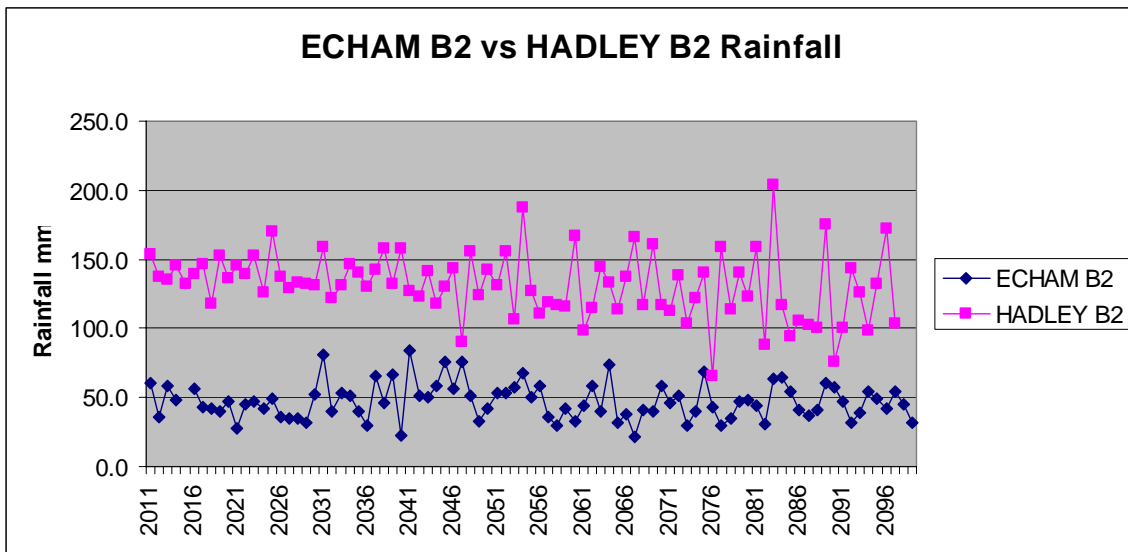
Preliminary investigation from the ECHAM and Hadley models using scenario B2 highlights that there is an increasing average minimum temperature. The average minimum temperature increases from approximately 27.8 deg C to 29.5 deg C from 2011 to 2099, an increase of 1.7 deg C or 0.02 deg C per year. There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

Rainfall



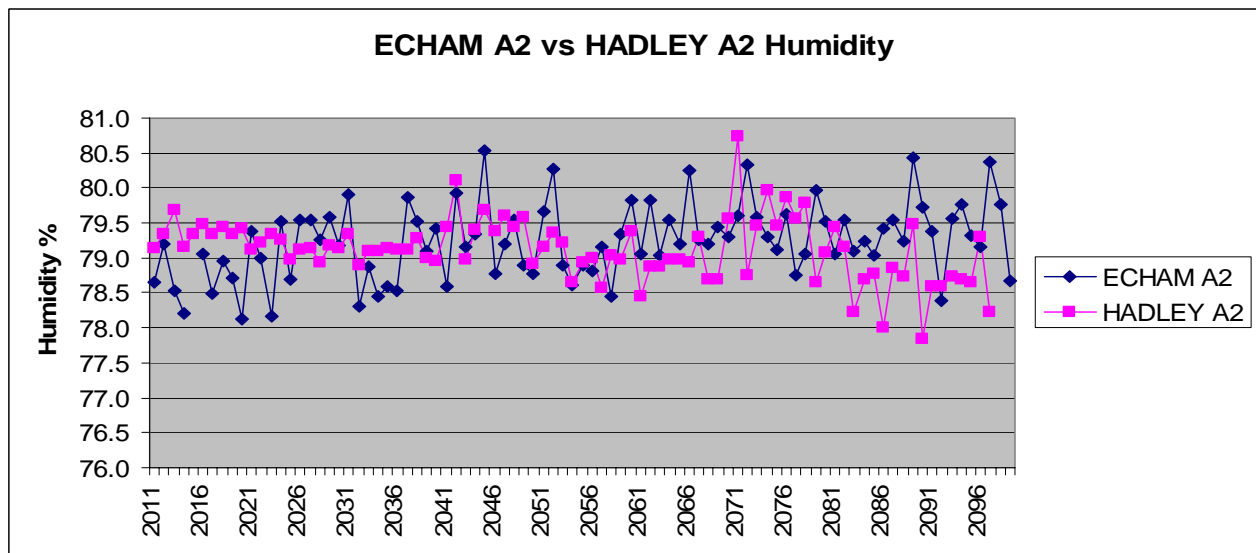
Preliminary investigation using the ECHAM and Hadley models using scenario A2 shows decreasing average Annual Rainfall from 2011 to 2099. It is noted that the Hadley model shows a wetter climate than the ECHAM. The average Annual Rainfall decrease on the ECHAM model

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.



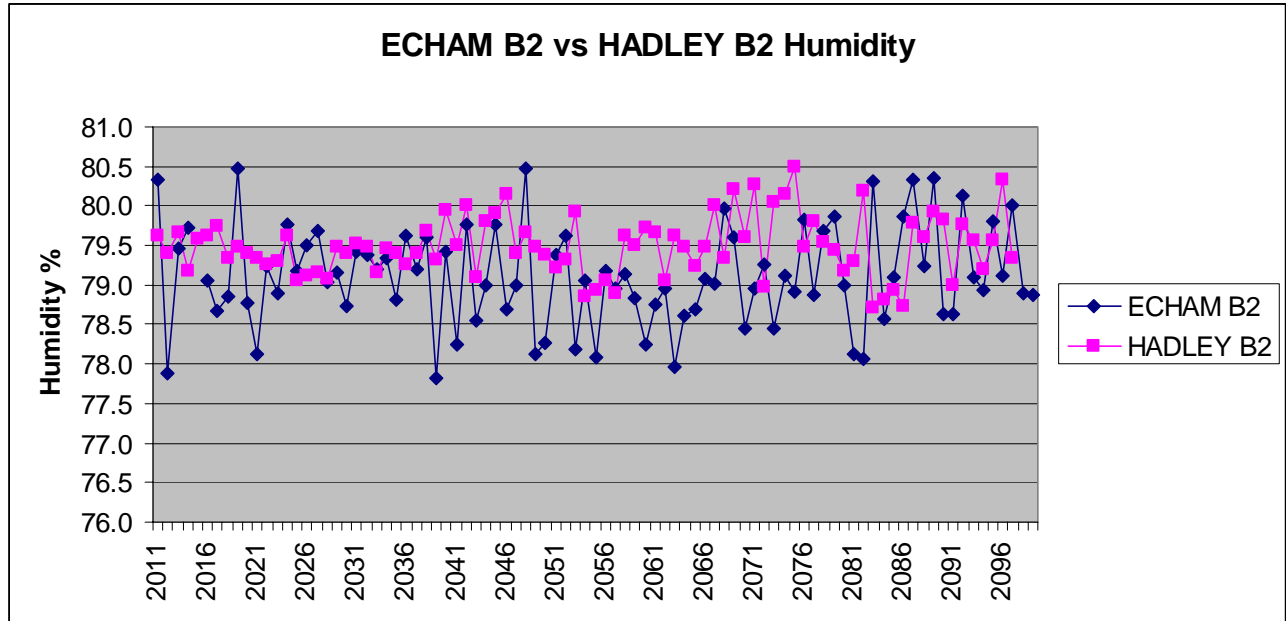
Preliminary investigation using the ECHAM and Hadley models using scenario B2 shows decreasing average Rainfall from 2011 to 2099. It is noted that the Hadley model shows a wetter climate than the ECHAM. The average Rainfall decrease on the ECHAM model is 10 mm a drop from 50 mm to 40 mm or 0.11 mm per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

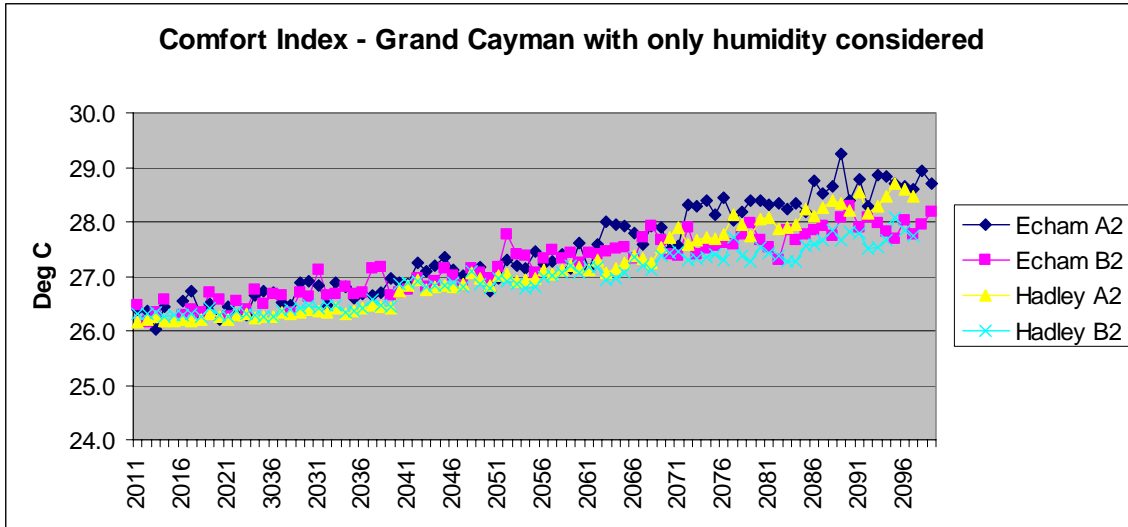
near mirror images until the last 20 years or so when the ECHAM model shows a higher humidity. Humidity starts approximately 79% and remains near constant until the last 20 years where the two models diverge in that the ECHAM shows a slight increase while the Hadley shows a slight decrease.



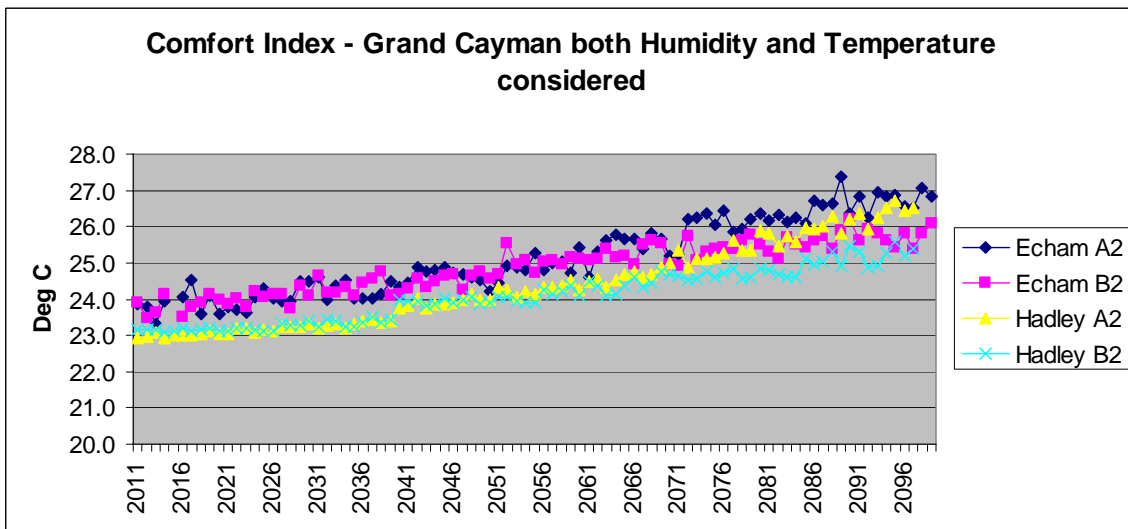
Preliminary investigation of both the ECHAM and Hadley models using scenario B2, shows a near constant average Humidity from 2011 to 2099. It is noted that for the most part the models are near mirror images. Humidity remains around 79% for the period.

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).

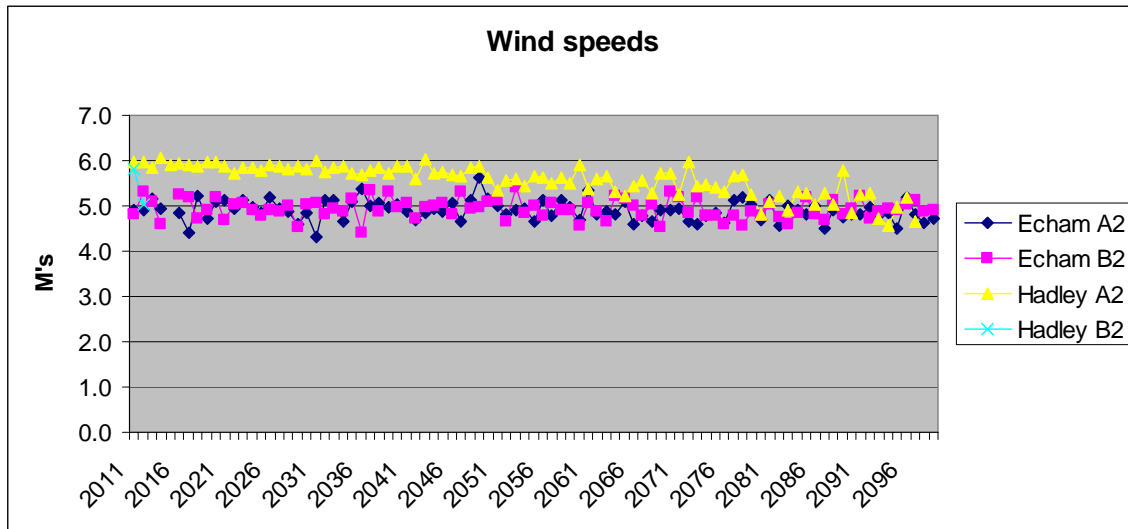


Preliminary investigation of the comfort index outputs only taking into consideration relative humidity by the ECHAM and Hadley models and using both scenario A2 and B2 reveals an increase from 2011 to 2099. The increase was from approximately 26.3 deg C to 28.5 deg C or 2.2 deg C increase. This output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

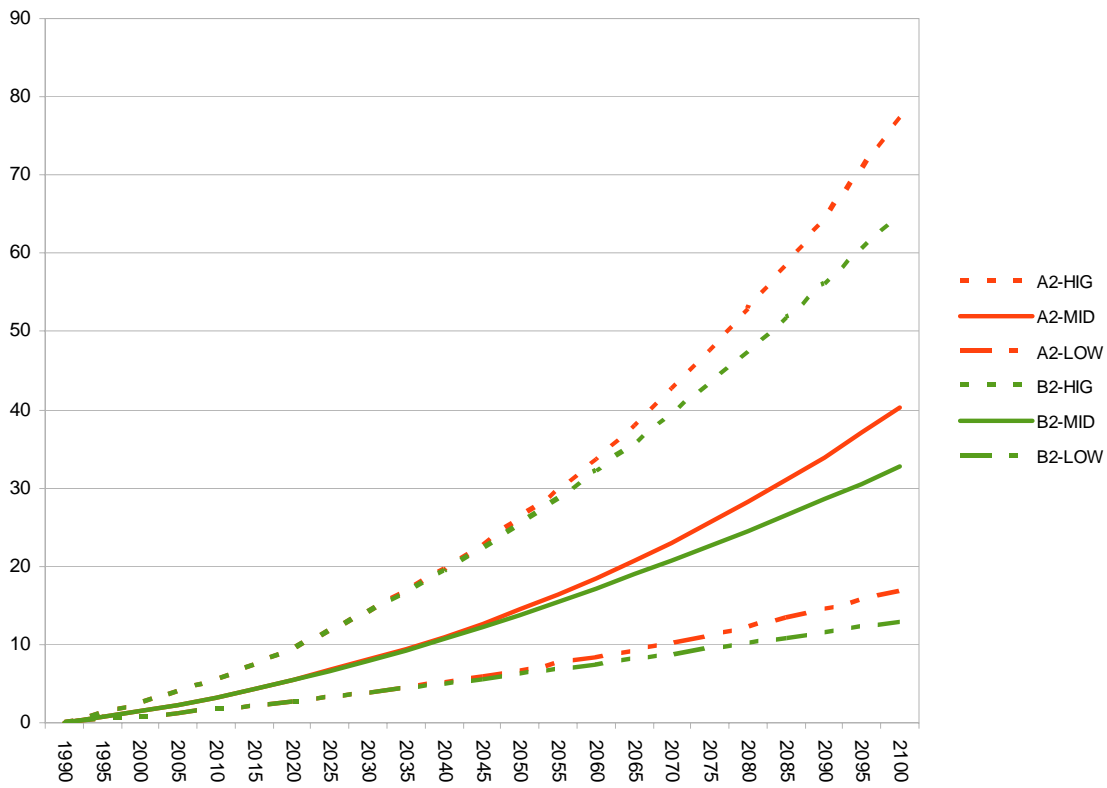
Wind Speeds



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

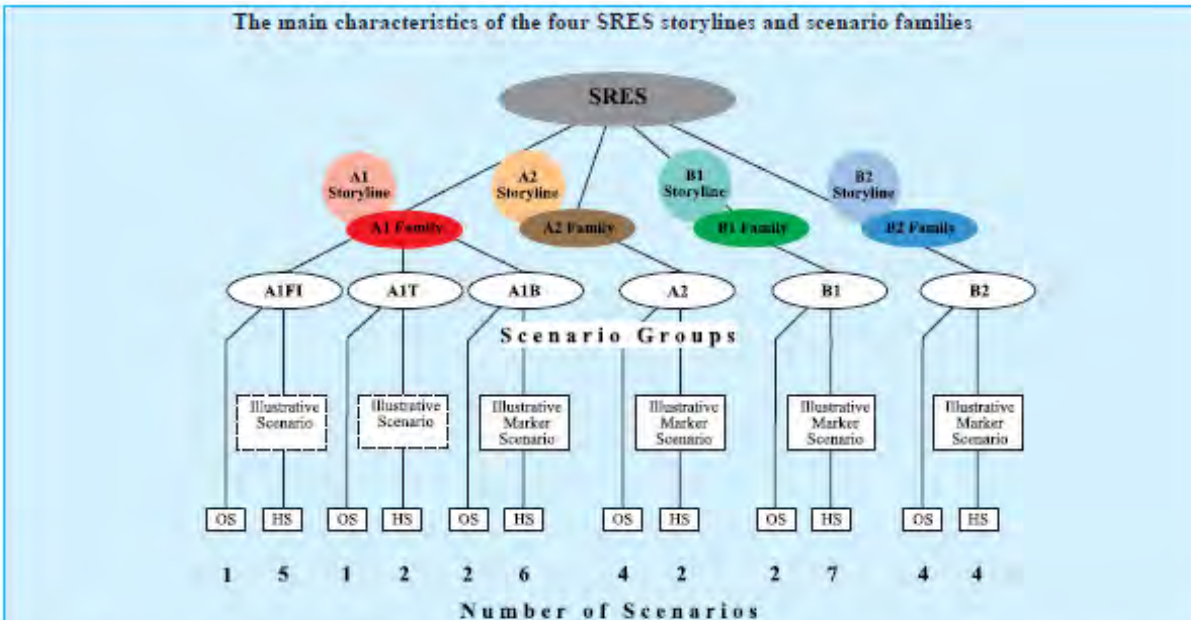


Figure 1: Schematic illustration of SRES scenarios. Four qualitative storylines yield four sets of scenarios called “families”: A1, A2, B1, and B2. Altogether 40 SRES scenarios have been developed by six modeling teams. All are equally valid with no assigned probabilities of occurrence. The set of scenarios 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

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

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		

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

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

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