

Climate Data Collection In Belize



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Country: Belize



BELIZE

Belize is the only English speaking country in Central America. Bounded by the north by Mexico , west and south west by Guatemala and its eastern coast line by the Caribbean Sea.

Belize is a country of Diverse Cultures, Language and Ethnic groups, including: Creole, Garifuna, Mestizo, East Indians, Maya, and others. Thus resulting in a country rich with different foods, clothes, music, religion and ways of life.

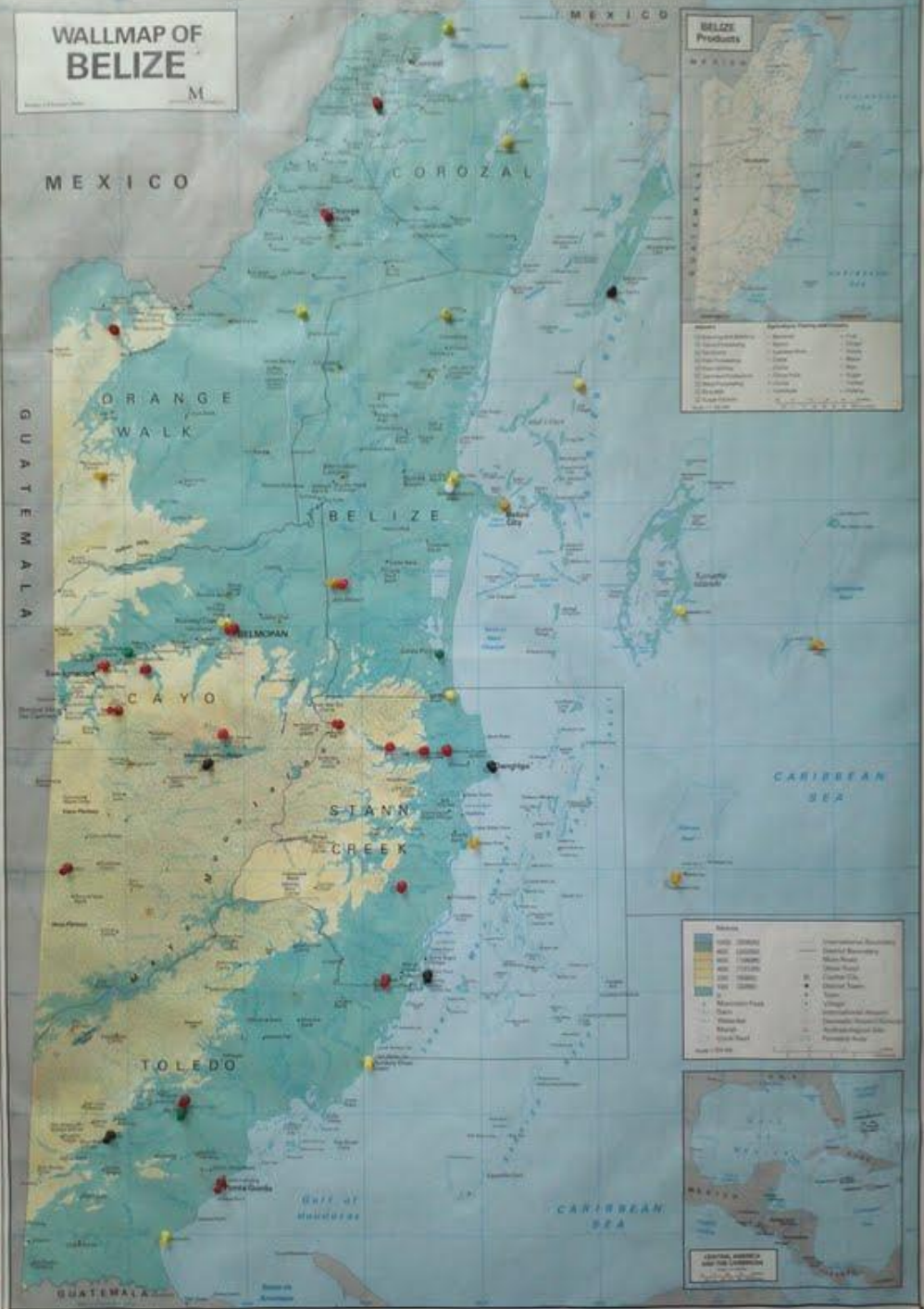
Belize has the world's second largest Barrier reef, it's known for its many historical Maya Ruins which are located throughout the country. Also its waterfalls , majestic scenery of the Blue Hole in the open sea , caves, exotic wild life & jungle and its many offshore caye and friendly people continue to attract people from all over the world.

Data

Belize have 25 operational agro meteorological and 23 rainfall stations situated across the country in strategic location (mainly in the Agricultural sector), with another six automatic stations.

Stations	Station ID	Latitude	Longitude	Elevation	Date opened	STATION TYPE
				metres		
Belmopan Cayo	BELMOPAN	17°15'	88°46'	90	1-Aug-73	A
Central Farm Cayo	CENTFARM	17°11'	89°00'	90	1-Jan-50	A
Melinda Forest Station	MELINDA1	16°59'	88°19'	30	1-Oct-52	A
Phillip Goldson Int'l	PSWGIA01	17°32'	88°18'	5	1-Nov-59	A
Rio Bravo (La Milpa)	RIOBRAVO	17°47'	88°59'	20	20-Oct-94	A
Savanna Forest Station	SAVANNAH	16°31'	88°26'	13	1-Apr-50	A
Tower Hill Orange Walk	TOWERHIL	18°02'	88°34'	13	1-Jan-72	A
Baldy Beacon	BALDYBCN	17° 02'	88° 47'	1020	15-Jan-99	A
Barton Creek	BARCREEK	17° 06'	88° 57'		1-Apr-92	A
Big Falls South	BFALLS02	16°16'	88° 13'	20	1-May-78	R
Big falls Plantation	BFALLS03	16°16'	88°47'	20	1-May-84	A
Blue Creek T.R.D.P.	TRDP0001	16°12'	89° 02'	30	1-May-82	A
Caracol MPR	CARCACOL1	16° 45'	89° 06'	502	2-Aug-01	A
Chaa Creek	CHACREEK	17°04'	89° 09'	243	12-Feb-00	A
Consejo	CONSEJO1	18°27'	88° 18'	2	1-Jan-78	R
Gales Point Manatee	GALESPNT	17° 12'	88° 20'	0	1-Jan-93	R
La Democracia	HERSHEY2	17° 20'	88° 33'	40	11-Dec-92	A
Hershey Hummingbird	HERSHEY1	17° 06'	88° 39'	100	25-Feb-95	A
Libertad (BSI)	LIBERTAD	18°17'	88° 28'	12	1-Jan-66	A
Maya King	MAYAKING	16°43'	88° 25'		1-Nov-92	A
Middlesex	MIDDLESE	17°01'	88°31'	120	1-Jan-66	A
Pomona	POMONA01	16°59'	88°22'	40	1-Jan-66	A
Punta Gorda Agstat.	PUNTAGOR	16°08'	88°51'	6	1-Jan-66	A
Spanish Lookout	SPANISHL	17°13'	88°59'	91	1-Apr-68	R
St John's College	STJOHNSC	17°31'	88°12'	1	1-Jan-50	R
Belize Zoo	BZEZOO1	17°22'	88°33'	30	10-Jun-96	A
Halfmoon Caye	Belize	17°13'	87°32'			AWS

WALLMAP OF BELIZE



LEGEND

Yellow – Automatic Rain Gauge

Black – Full Automatic Station

Green – Manual Rainfall Station

Red – Agrometeorological Station

Climate Variables Collected

- Data collected from our stations includes:
- Precipitation
- Max and Min Temperature
- Dry and Wet Bulb Temperature
- Wind speed and direction
- Evaporation
- Soil Temperature (1ft & 4ft)
- Sunshine Hours
- Radiation
- Grass Temperature

Challenges Encountered

Major challenges faced through in data collection:

- Shortage of Supplies (equipment)
- Shortage in vehicles and transportation
- Human Resources (data collectors & observers)
- Difficulty accessing remote areas (terrain)
- Communication (internet and phones/faxes)
- Technical equipment-Data storage

Our Needs

- Office Need a New Climate Data Management Systems, Clicom which is the office main DBM for over 20yrs has become obsolete. The only management system in used is BDCAC- Regional Data Base for the Central American countries, which was created as a regional initiative to cope with climate variability impacts. Belize has more than 60% of its data stored in BDCAC.
- The office needs more automatic/agro met stations to place in remote areas, to allow for a better coverage.