Transboundary Water Cooperation in Belize

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SDG 6.5.2

 Proportion of transboundary basin area with an operational arrangement for water cooperation

Geography of Belize

- Belize is located in Central America bordering the Caribbean Sea, between Guatemala and Mexico.
- It is 274 km long north to south and 10km wide east to west. The country is divided into six administrative districts: Corozal, Orange Walk, Belize, Cayo, Stann Creek and Toledo.
- Its total area is 22 970 km2, that incudes 1 540 km2 of lagoons and 690 km2 of approximately 450 small isands

National Hydrological Service of Belize

- The National Hydrological Service of Belize is tasked with:
 - Assessing a country's water resources (quantity, quality, distribution in time and space), the potential for water-related development and the ability of the supply to meet actual or foreseeable demand;
 - Assessing the environmental, economic and social impacts of existing and proposed water resources management practices and planning sound management strategies;
 - Providing assistance for people and property against water-related hazards, particularly floods and droughts;
 - Allocating water among competing uses, both within the country and cross borders

This Unit is staffed with six (6) personnel :One(1) Principal Hydrologist, One(1) Data Analyst, Three(3) Technician and One(1) Clerk.

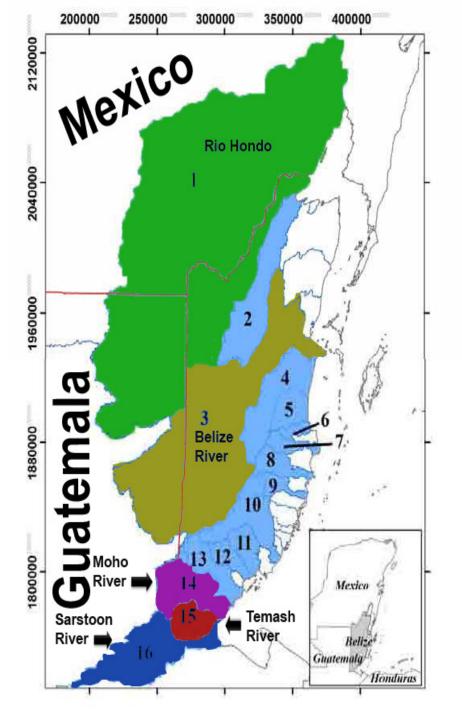
BELIZE WATERSHED MAP 1:1,200,000

Belize's Watersheds

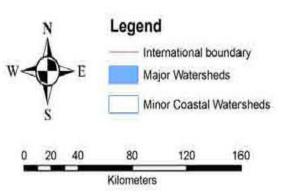
- There are 18 major river basins with another 6 sub basins which discharge into the Caribbean Sea.
- The river basins are grouped into six main regions: Northern, Northeastern, Central, Southeastern and Southern Watershed Region.

Source:

Land Information Center Ministry of Natural Resources, Belize







Transboundary Watersheds

- Belize shares five (5) watershed between Mexico and Guatemala. These watersheds are
- Rio Hondo,
- Belize River,
- Moho,
- Temash and
- Sarstoon.

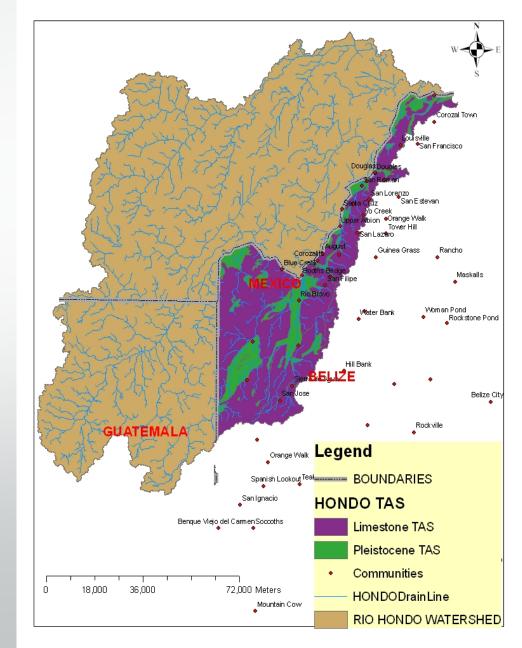
Rio Hondo River

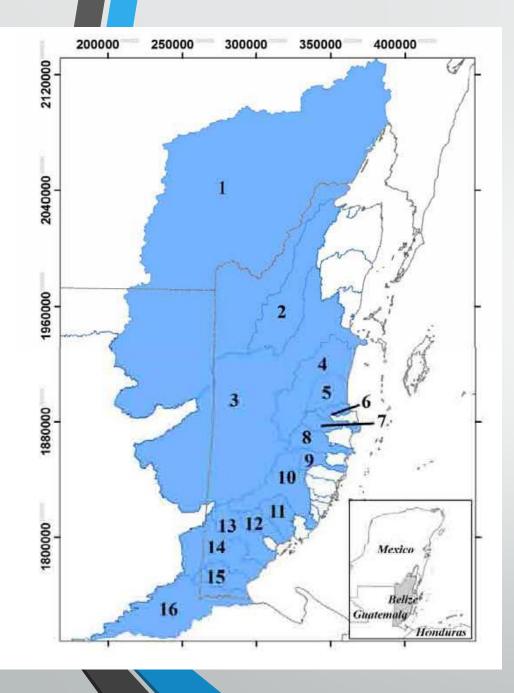
The Rio Hondo River originates in Guatemala, then enters Mexico and then becomes the northern boundary of Belize with Mexico.

SIZE

- -50.5% lies in south-eastern Mexico
- -31% lies in Guatemala
- -18.5% lies in Belize

8C-CANDELARIA HONDO TRANSBOUNDARY AQUIFER SYSTEM





Belize River

SIZE

- Originates in Guatemala.
- Drains over ¼ of nation's total land area
- Most heavily populated
- Centrally located in Belize and northeastern Guatemala.

Moho River

- Size
 - Approx.
 - 10,500 km²
 - Belize: 7,200 km²
 - Guatemala: 3,300 km²

Temash River

- The Temash watershed is located in southern Belize and eastern Guatemala
- -Majority of the watershed population (95%) lies in Belize

Sarstoon River

• In the south, the Sarstoon River orginates in Guatemala and then becomes the boundary with Guatemala.

Transboundary agreement

- In 1998, Belize and Mexico signed a bilateral agreement for the hydro meteorological monitoring of the Hondo transboundary river basin.
- This agreement was for the establishment of hydro-climatological monitoring sites of both sides of the boundary.
- In 2003, Belize and Mexico signed an agreement through the International Commission of Boundaries and Water between Mexico and Belize for the diagnostic study for the sustainable management of the Mexico- Belize Hondo transboundary river basin.

Thank you