

Brief Overview of Butuan City, Philippines

Total Population	317,062
Total Households	64,380
Land Area (sq.km)	817.28
Population Density (per sq.km)	387.94
Population Growth Rate	1.80%
Total LGU Income	Php 1,304,594,949
Average LGU revenue per capita	Php 4,114.63
Eco-system type	Coastal, Watershed, connected to Agusan River Basin
Economy	Commercial and Service Centers, Fishing and Agriculture, Wood Industry, Trading
Natural Hazards	Flooding, Landslide

We can be reached by:

Departure Point	Plane
	Travel Time
Manila	1hr, 30 mins.
Cebu	55 mins.



Agro-Forestry Profile

- Agricultural area : 47,000 hectares
- Developed area : 17,000 hectares
- Irrigated area : 3,462 hectares
- Potential for irrigation : 10,000 hectares
- Main agricultural crops:
 - Rice
 - Coconut
 - Banana
 - Vegetables and root crops
 - Commercial crops (Rubber, Oil Palm)
- Programs : Gulayan sa Barangay (Community Vegetable Farming)
Organic Fertilizer Production
Integrated Farming System
- Timber area : 32,000 hectares (Second Growth Forest)
70% Production Forest, 30% Protected Forest

Water Sources, Supply and Demand

- Surface Water: From the Taguibo River through the Infiltration Gallery
 - Capacity = 1,000 liters per second (lps)
- Ground Water: Five (5) deep wells
 - Capacity = 25 liters per second (lps) / deep well

Connections	-	44,235
Consumption	-	26,000 cu.m/day

- Butuan City consists of 86 barangays. Of the 86 barangays, 53 are served by Butuan City Water District (BCWD).
- As of August 30, 2012, BCWD has a total service connections of **44,235**, serving a total population of **246,050**.

ISSUES AND CONCERNS (WATER)

1. Surface Water Source

- High Turbidity Level
- Frequent Run-off
- Illegal mining and logging, timber poaching at the watershed area
- Reduction of river stream flow

2. Ground Water Source

- Poor water quality (color, odor and taste)
- Mineral content
- Operation cost is high

3. Other Issues and Concerns

- Lack of funding to construct water system at the remote/unserved barangays
- Unbalanced water system line pressure
- Percentage of Non-Revenue Water is high

Areas for Collaboration (Water)

- Expansion of projects to the unserved Barangays
- Construction of Water Treatment Plant to reduce water turbidity level, poor water quality and mineral content
- Massive reforestation at the watershed area
- Construction of additional booster pump to balance the water line pressure
- Acquisition of leak detection equipment
- Exploration of untapped water sources for possible distribution to other areas.

CONCLUSION

- Butuan City collaborated with Toyo University PPP Graduate School to jump start PPP efforts in the city
- Butuan City is the only city in the Philippines with existing PPP Code

"Turn lemons into lemonade."

Thank You!

