# Brief Overview of Butuan City, Philippines

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

We can be reached by:

<table>
<thead>
<tr>
<th>Departure Point</th>
<th>Plane Travel Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manila</td>
<td>1hr, 30 mins.</td>
</tr>
<tr>
<td>Cebu</td>
<td>55 mins.</td>
</tr>
</tbody>
</table>
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.
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.
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!