2nd Asia Water Cycle Symposium (AWCI) International Task Team (ITT)

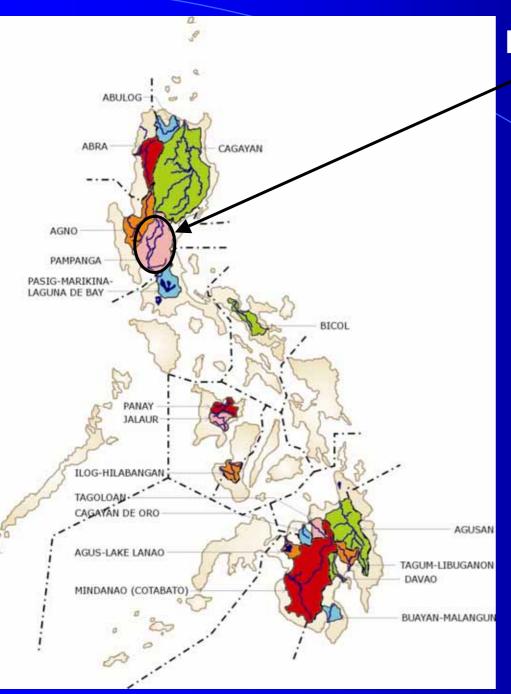
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PAMPANGA RIVER BASIN

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Pampanga River Basin

- Fourth largest basin in the Phil.
- Covers an approximate aggregate area of 10,540 sq.km

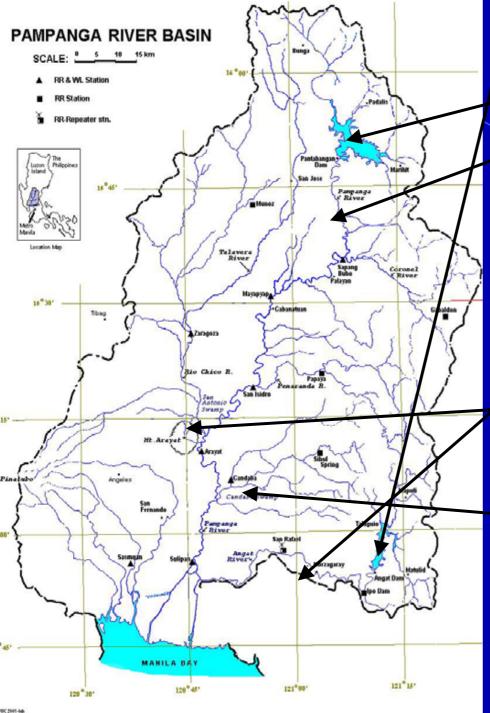




Pampanga River Basin

- •The basin extends over the southern slopes of the Caraballo Mountains, the western slopes of the Sierra Madre range and the major portions of the Central Plain of Luzon
- •It encompasses the provinces of Nueva Ecija,part of Bulacan, Tarlac and Quezon, and almost whole of Pampanga





- There are two dams within the basin:
 Angat and Pantabangan dams.
- The total length of the main river, the Pampanga River, is about 260 kilometers
- The basin is drained through the Pampanga River and via the Labangan Channel into the Manila Bay
- •The Angat River joins the Pampanga River at Calumpit in Bulacan via the Bagbag River
- Between the middle and lower portion of the basin stands Mount Arayat, about 1,026 meters in elevation
- •Candaba swamp covers an area of some 250 sq. km. absorbs most of the flood flows coming from the eastern sections of the basin and the overflowing of the Pampanga River via the Cabiao Floodway

Angat Dam

- The Angat Reservoir and Dam are located at the Angat River in San Lorenzo, Norzagaray, Bulacan. The facilities were constructed from 1964 to 1967 and have been operational since 1968. They have multi-purpose functions:
- 1. To provide irrigation to about 31,000 hectares of land in 20 municipalities and towns in Pampanga and Bulacan;
- 2. To supply the domestic and industrial water requirements of residents in Metro Manila;
- 3. To generate hydroelectric power to feed the Luzon Grid; and
- 4. To reduce flooding to downstream towns a villages.

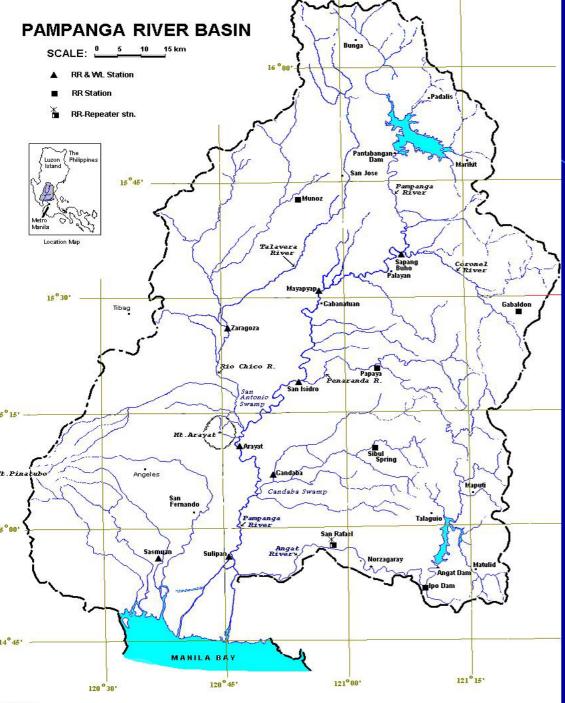


Pantabangan Dam

The country's first multi-purpose infrastructure, it stands today as a phenomenon in Filipino engineering feats. It has multi-purpose functions:

- 1. To provide irrigation to about 102,000 hectares of farmlands in Bulacan, Pampanga and Nueva Ecija;
- 2. To supply the domestic and industrial water requirements; and
- 3. To generate hydroelectric power to feed the Luzon Grid.



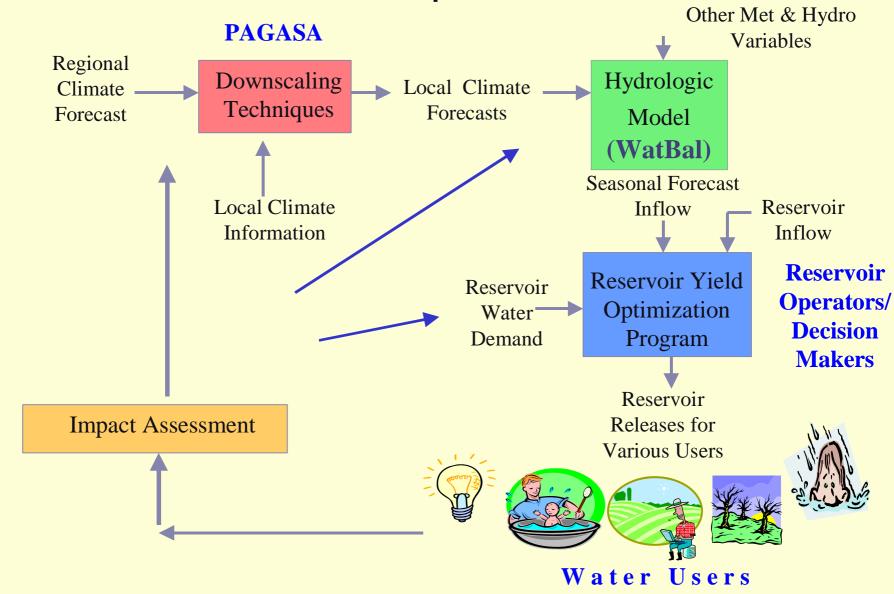


Pampanga River Basin

- Rainfall Stations 14
- Water level stations 4
- RR and WL stations 8
- Synoptic station 1
- Agromet station 1



An End-to-End Approach in Water Resources Management of a Multi-Purpose Reservoir





Thank You!

"tracking the sky . . . helping the country"