

Strategic Advisory Services for the

Pampanga River Basin

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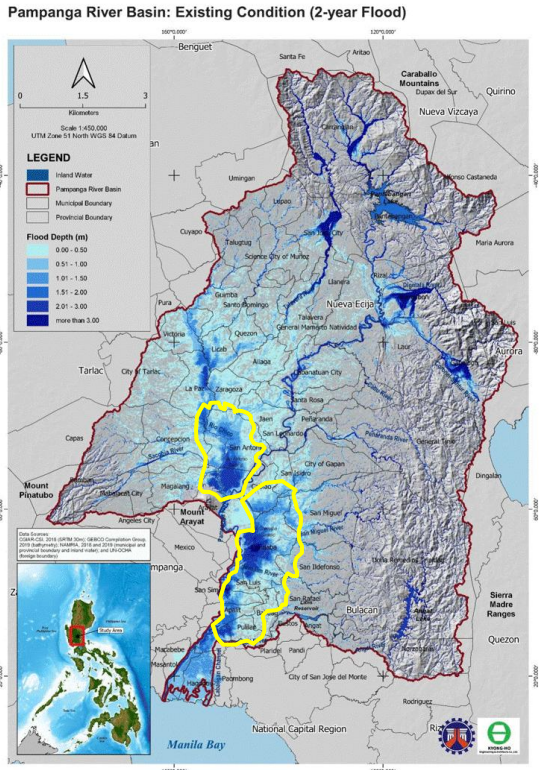
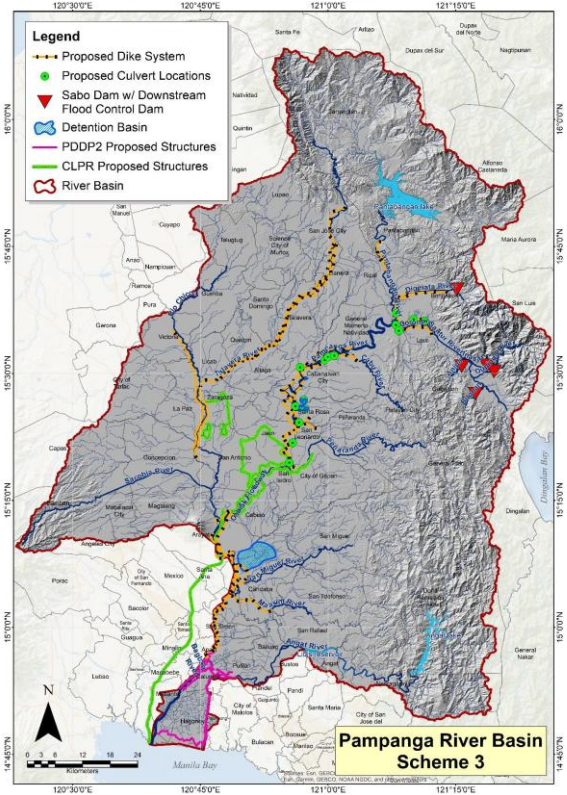
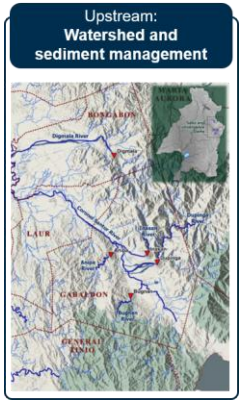
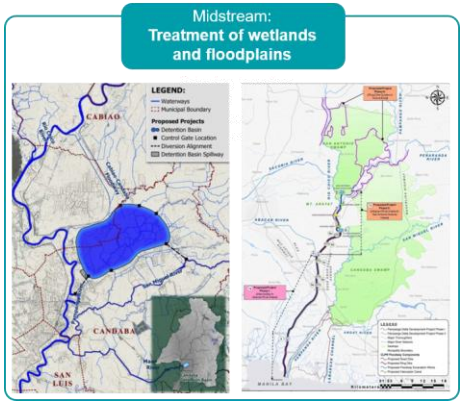
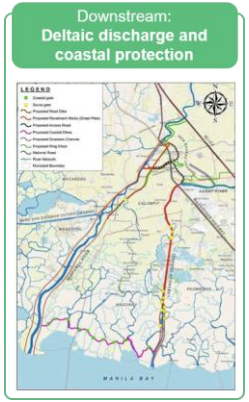
Pampanga River Basin Flood Risk Context











The Master Plan combines basin-wide measures with predominantly conventional infrastructure. EcoShape assessed where NbS could complement the proposed interventions.

Stakeholder consultations & field investigation

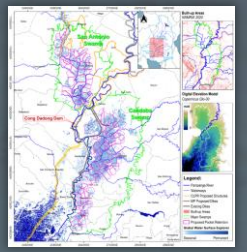


Nature-based approach and proposed interventions

1. Reforestation upstream
2. Restoration of sediment dynamics
3. Reconnection of floodplains to river
4. Retention of water in ponds or swamps
5. Rehabilitation of riverbanks
6. Room-for-the-river

Talavera Watershed Forest Reserve
Pantabangan-Caranglan Watershed
Digmala River
Talavera River
Pampanga River
Coronel Santur River
Nueva Ecija
Licab Swamp
DRT Gen Tinio Watershed Forest Reserve
Rio Chico River
San Antonio Swamp
Cabiao-Candaba Floodway
Arayat National Park
Angat Watershed Forest Reserve
San Miguel River
Candaba Swamp
Angat River
Pampanga
Central Luzon-Pampanga River Floodway Project
Bulacan
Labangan Channel
Manila Bay

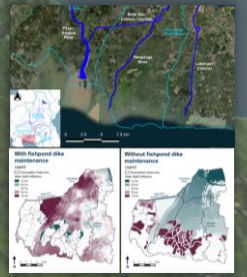
Intervention A and B: **Enhanced wetland retention**



Intervention C: **Oxbow and floodplain reconnection**



Intervention D: **Tidal flat restoration**



Intervention E: **Ecological floodway alternative using natural channel network**

