



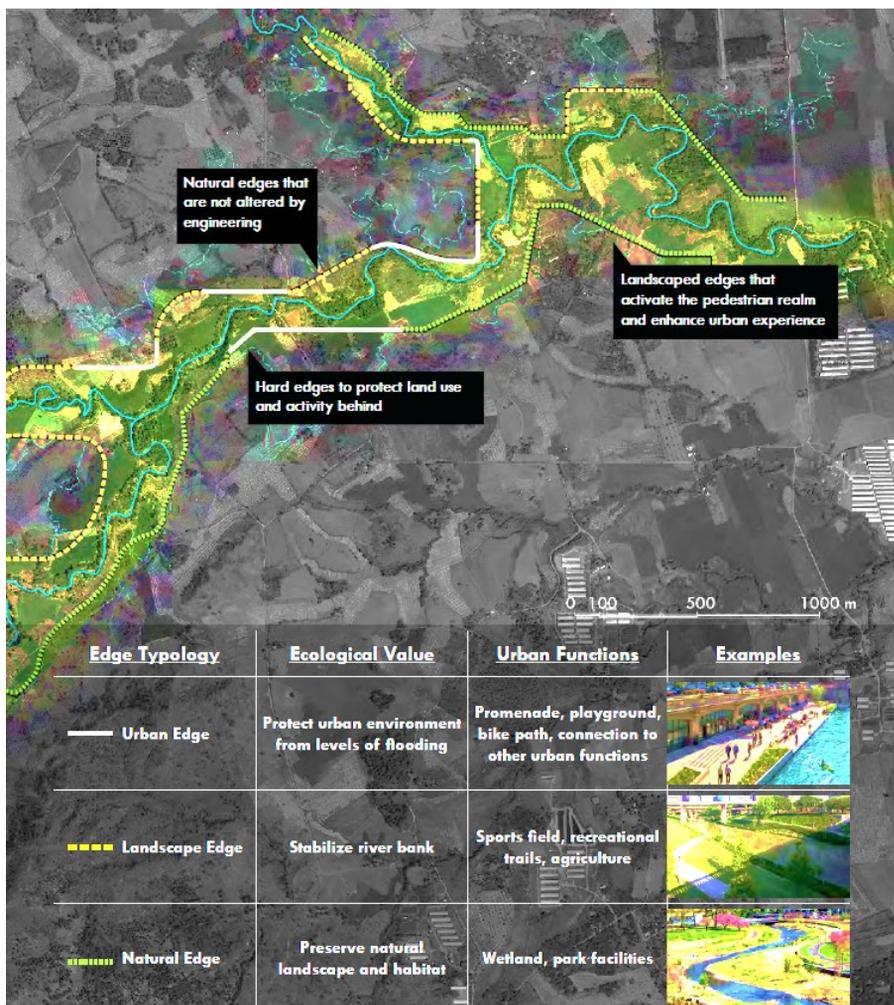
Reviewing the Master Plan of New Clark City (NCC), and Making Recommendations for Nature-Based Solutions to Give More Room to the River, and Water Supply Study

Description

The Philippines Bases Conversion and Development Authority (BCDA), a government-owned and controlled corporation, aims to develop an environmentally sustainable and disaster-resilient new city in Clark.

Complementing the ADB Office of Public Private Partnerships (OPPP) Transaction

Advisory Services for BCDA, UCCRTF provided support in reviewing the NCC's Master Plan and provide recommendations to enhance the resilience principles and measures in the plan. The Master Plan covers 9,450 ha, of which 3,200 ha can be developed, and envisioned a new town for 1.2 million residents and 800,000 employees.



Preserve existing rice fields and agriculture plots



Native grasses and planting for low lands



Bamboo for (bank) erosion prevention



Wetland terrace landscape for low lands

Proposed approach to give the river room (nature-based solutions), and potential programming for the floodplain | Images extracted from the NCC River Study 2018

Key Project Details

Project Sites	New Clark City, Tarlac, Philippines
ADB Project Officer	Cathy Fong, Office of Public-Private Partnership (OPPP)
Sector / Subsector	Water and other urban infrastructure and services / Nature-based solutions
Type of assistance	Direct Charge (DC)
UCCRTF amount	\$225,000 USD for each

Project Outputs

Specific outputs of the project include:

- ✓ Review of the Master Plan;
- ✓ Development of the Resilience Framework and its Guidelines for NCC, with cost indications, which will function as reference for NCC and other BCDA projects in the Philippines;
- ✓ Development of the Detailed Standard Guidelines (DSGs) including resilience guidelines, for NCC; and
- ✓ Water Supply Assessment and 50-year Water Resources Master Plan

Resilience Solution

One of the key conclusions of the Review Master Plan is to integrate ecosystem-based adaptation and nature-based solutions in the development which could reduce development costs and at the same time improve resilience to climate change impacts. Specific recommendations included:

- Increasing the river zone, “room for the river”, of Cut-cut River (one of the rivers crossing NCC) by following natural topography
- Providing the flood plains with open green spaces and enhancing linkages with the ecological structures surrounding the project area.

UCCRTF Project Status | Completed

- The recommendations of the River Study and River Zone Plan for NCC were implemented by BCDA and influenced the design and construction of civil and landscaping works in the existing River Park in the National Government Administrative Center. Moreover, it inspired succeeding activities by ADB’s Environment Thematic Group which conducted a comprehensive biodiversity assessment and developed guidelines for implementing nature-based solutions.
- Review New Clark City Master Plan provided recommendations for the following key areas: Phase 1 implementation and sub-plans, the river zone, public character, relationship to surroundings, cost-planning and procurement, climate risk and data.
- The abovementioned studies and activities also paved the way for the design and implementation of follow-up work on surface water and groundwater assessment to assess water quality and supply, and a 50-Year Water Resources Master Plan to evaluate demand versus supply, and to propose recommendations for resource resilience.

UCCRTF Financing Partners



For further information

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