

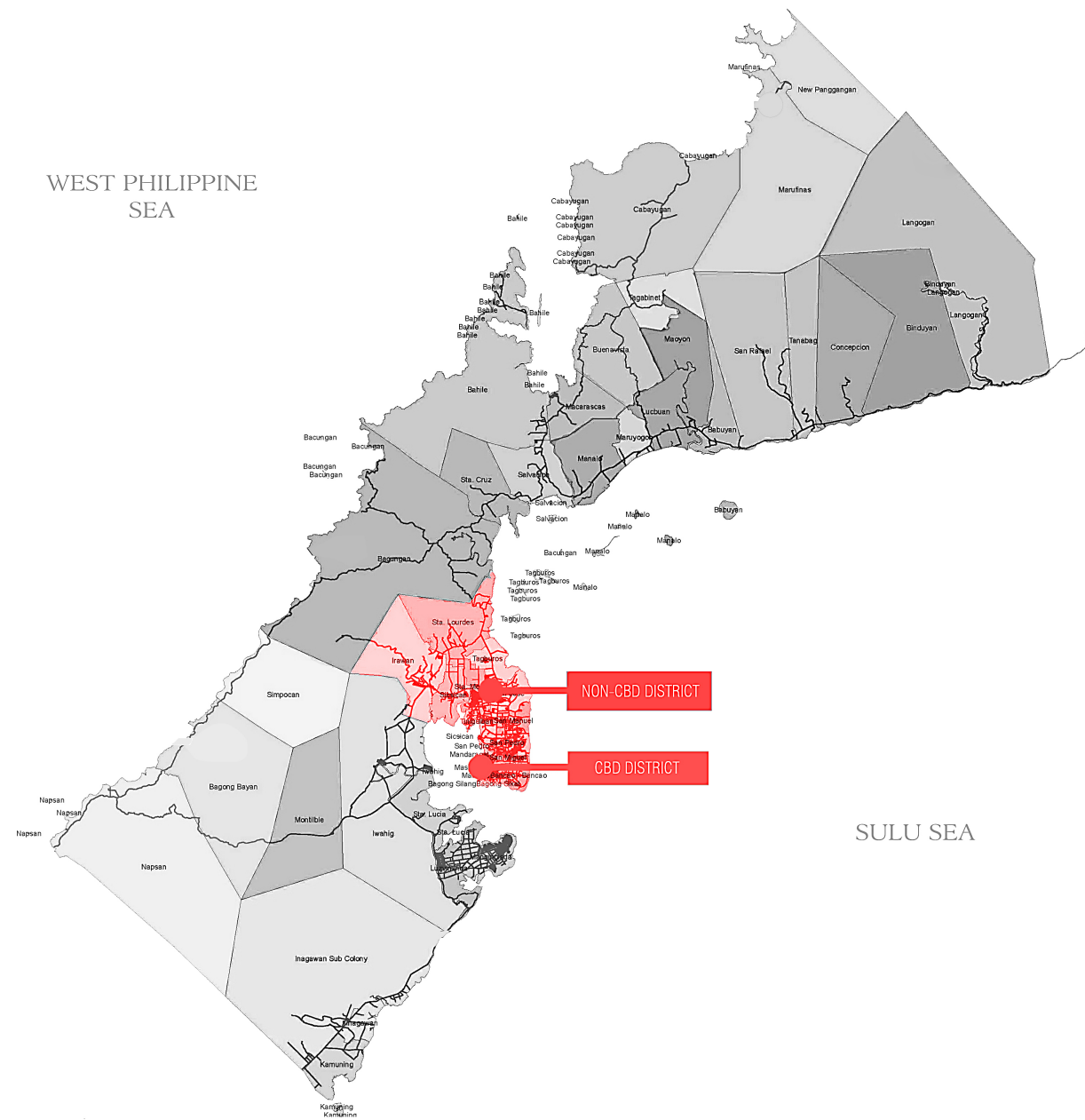


# PUERTO PRINCESA CITY

## WASTE WATER TREATMENT PROJECT

# Puerto Princesa City Profile

- Lies in the heart of the Philippine's "Last Ecological Frontier"
- Land Area of 2,193 sq. km
- Highly Urbanized City
- 2015 Population: 255,116
- Economy: Eco-Tourism, Fishery, Trade & Commerce



# Project Background

## Philippines

- 80% of water provided to household becomes wastewater (World Bank, 2003)
- Only 5% of total population is connected to a sewer network.
- Only 10% of wastewater is treated while 58% of the ground water is contaminated.
- Leads to unsanitary conditions, and pollutes receiving water bodies posing threat to people's health and environment.



Waterbody	Geometric mean of results (MPN/100 mL)	Standard under Usage and Classification	Observation
<b>Puerto Princesa Bay</b>  <i>Class "SB" Recreational Water Class I (Areas regularly used by the public for bathing, swimming, skin diving, etc.)</i>	<b>398.74 MPN/ 100 mL</b>	<b>200 MPN/ 100 mL</b>	<b>Fecal coliform count exceeds the standard.</b>

## Puerto Princesa City

- A major tourist destination and currently has undeveloped waste water treatment system.
- No existing sewerage facilities for public use and in many parts of urban area open canals serve as drainage/ sewage outfall.
- In residential and commercial areas, wastewater is treated in septic tanks before they are discharged through storm drains or by infiltration.
- Pollution and contamination of surrounding sea and bay areas.

# Project Information

- Waste Water Treatment Facility
- 6 Priority Catchment Areas within the urban area

## Objectives

- Improve sanitation services
- Improve water quality
- Protect public health
- Improve environmental conditions
- Achieve SDGs

## Anticipated impacts

- People - Health and Sanitation.
- Economy - Support to commercial development.
- Environment - Protection and conservation of bays and other water resources.

# Project Cost and Institutional setup

## Allocated Budget

- 50 million pesos (1 million USD) initial funding

CITY GOVERNMENT

DPWH-NSSMP

CDIA

PRIVATE INVESTOR

# Policy Support

## City Ordinance 737

- Established the Septage Management Program for the City of Puerto Princesa.

## Executive Order

- Created the Technical Working Group composed of 25 members including representative from the private sector and the academe.

# Previous activities

## Baseline Study

- Completed the Household Water and Sanitation Systems and Practices Study (June 2017).
- Household Willingness to Pay for septic tank desludging services and wastewater treatment services (82%).

# Next Steps

## Technical Assistance

- Arrange meeting between Puerto Princesa City Mayor and CDIA focal person.
- Seek technical assistance from CDIA for the preparation of Pre-Feasibility/Feasibility Study.

## Project Financing and PPP options

- Access the DPWH-NSSMP grant.
- Explore options for possible Public Private Partnership.