



# Pasig River

PHILIPPINES 





# *Congratulations!*



## THE PASIG RIVER

PHILIPPINES

winner of the inaugural

## Asia Riverprize

21<sup>st</sup> International Riversymposium  
Sydney, Australia

INTERNATIONAL  
RiverFoundation

THE  
AUSTRALIAN  
WATER  
PARTNERSHIP



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MANAGED BY



## The Pasig River when it was declared “biologically dead” in the 1990’s.

**1930’s:** Decrease in fish migration

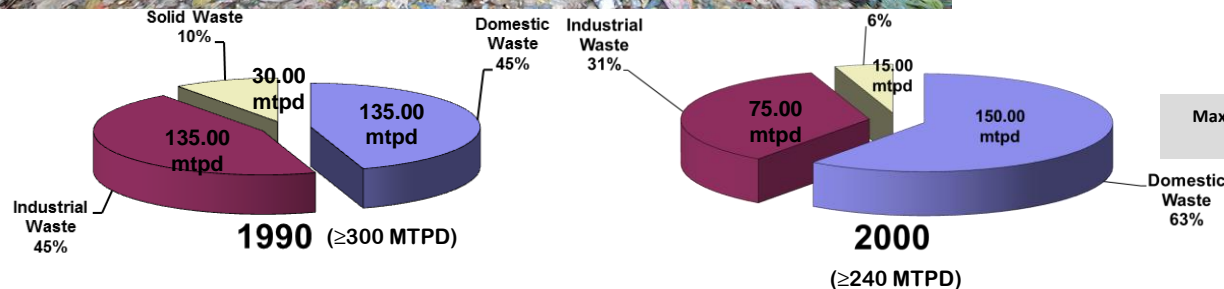
**1950’s:** Noticeable decline in the people’s bathing activities

**1960’s:** Obvious drop in both bathing and washing activities

**1970’s:** The river began to smell bad and water quality fell below Class “C” level

**1980’s:** All fishing activities stopped

**1990’s:** The Pasig River was declared biologically dead



Maximum assimilative capacity of Pasig River is at 200+/day of BOD Loading  
 1990 = 48% Higher  
 2000 = 20%



# **“Biodiversity Assessment of Pasig River and Its Tributaries: Ecosystems Approach (Phase One)”**

By: Carmelita Villamor, et.,al.

Department of Environment and Natural Resources - Ecosystems  
Research and Development Bureau (DENR-ERDB)  
September 2008 to February 2009

## **Objective(s):**

- Determine the Biodiversity Status of the River
- Provide suitable indicators to determine the impacts of rehabilitation activities

## **Result(s):**

- **Several species of fish, birds, trees and aquatic plants are now living in the river or within its left and right embankment**

## ☐ **Trees and Other Vegetation**

- 118 species under 94 genera and 42 families; and
- Mango, Banana and Ipil-Ipil as the most dominant

## ☐ **Thirty Nine (39) Species of Birds**

- 54 % are resident species;
- 31 % are migratory; and
- 15% are endemic

## ☐ **Eight (8) Fish Species**

- Kanduli or Manila sea catfish
- Mamaling or Bighead carp
- Buan buan (Indo-Pacific tarpon)
- Dalag (Snakehead murrel)
- Gurami (Snakeskin gourami)
- Talilong (bluespot mullet)
- Tilapia (Nile Tilapia)
- Janitor fish or Sailfin catfish

## ☐ **Aquatic plants**

- Water hyacinth (*Eichornia crassipes*);
- Hornwort (*Ceratophyllum demersum*); and
- Kangkong (*Ipomoea aquatic*) and Quiapo (*pistia stratoites*)

# WHAT ARE WE DOING TO SAVE THE PASIG RIVER?





# CONVERGENCE is key to success





## OUR VISION


A new Pasig River - clean and alive -  
reflecting the country's noble history  
and progress

## OUR MISSION

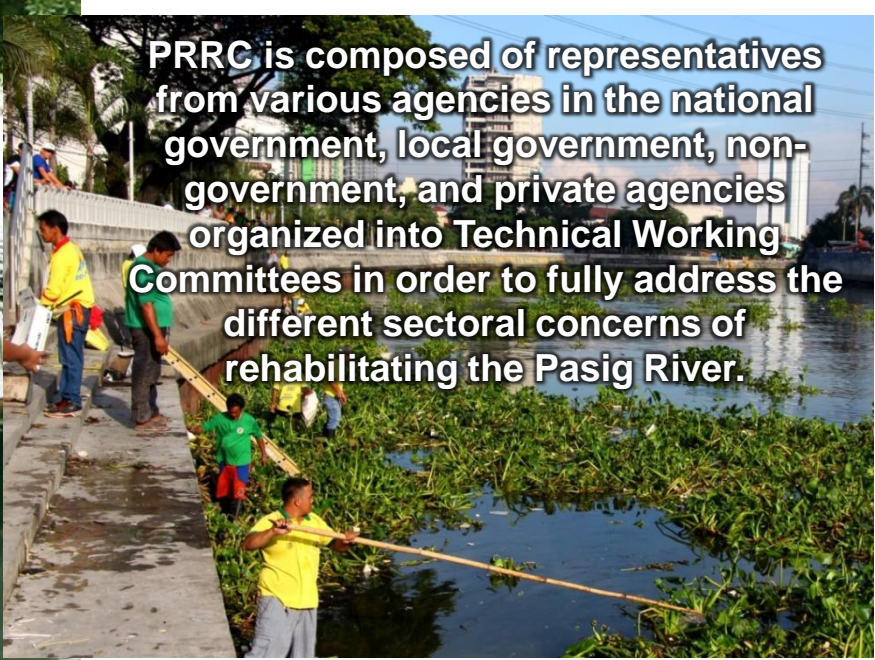
To transform the Pasig River and  
its environs into a showcase of a  
new quality of urban life

## OUR GOAL

Restore the river's water  
quality to Class C level



PRRC is composed of representatives  
from various agencies in the national  
government, local government, non-  
government, and private agencies  
organized into Technical Working  
Committees in order to fully address the  
different sectoral concerns of  
rehabilitating the Pasig River.

A photograph showing several people engaged in riverbank cleanup. One person in a yellow shirt is using a long pole to clear debris from the water. Other people are standing on the concrete bank, some holding bags. The river is filled with green aquatic plants.



# EASEMENT RECOVERY, HOUSING AND RESETTLEMENT





We relocate people not to deprive them of their basic right to live **BUT TO SAVE THEM FROM DANGER** and **PROVIDE THEM A BETTER LIFE** and **OPPORTUNITIES** .





# RIVERBANKS DEVELOPMENT AND FLOOD CONTROL



## PASIG RIVER REHABILITATION COMMISSION REHABILITATED ESTERO DE PACO (CITY OF MANILA)

BEFORE



AFTER



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# There is **HOPE**



## PASIG RIVER REHABILITATION COMMISSION

# REHABILITATED ESTERO DE AVILES

(CITY OF MANILA)

**BEFORE**



**AFTER**





## PASIG RIVER REHABILITATION COMMISSION

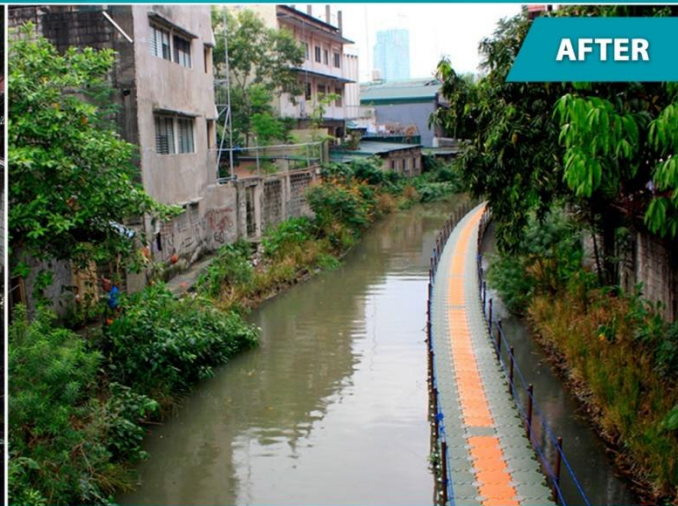
# REHABILITATED ESTERO DE SAN MIGUEL

(CITY OF MANILA)

**BEFORE**



**AFTER**





## PASIG RIVER REHABILITATION COMMISSION

# REHABILITATED ESTERO DE CONCORDIA

(CITY OF MANILA)

**BEFORE**



**AFTER**





## PASIG RIVER REHABILITATION COMMISSION

# REHABILITATED ESTERO DE SANTIBAÑEZ

(CITY OF MANILA)

**BEFORE**



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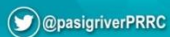


## PASIG RIVER REHABILITATION COMMISSION REHABILITATED ESTERO DE ULI ULI (CITY OF MANILA)

**BEFORE**



**AFTER**



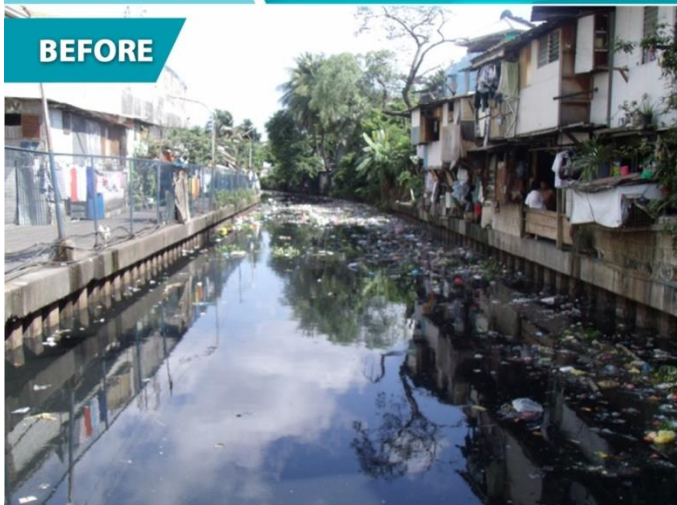


## PASIG RIVER REHABILITATION COMMISSION

# REHABILITATED ESTERO DE PANDACAN

(CITY OF MANILA)

**BEFORE**



**AFTER**



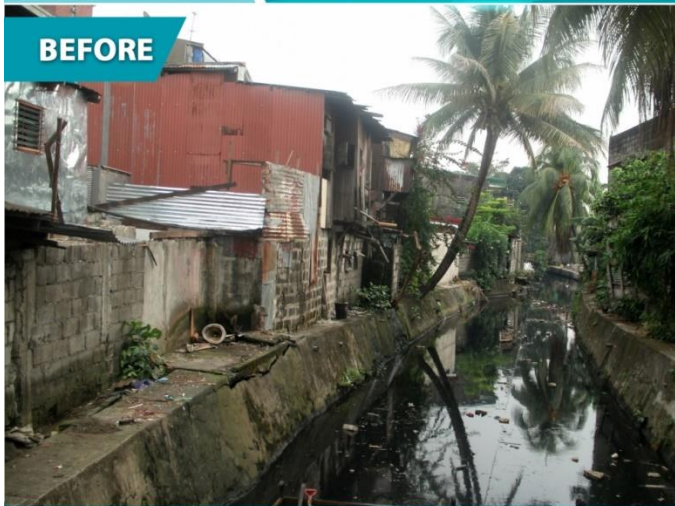


## PASIG RIVER REHABILITATION COMMISSION

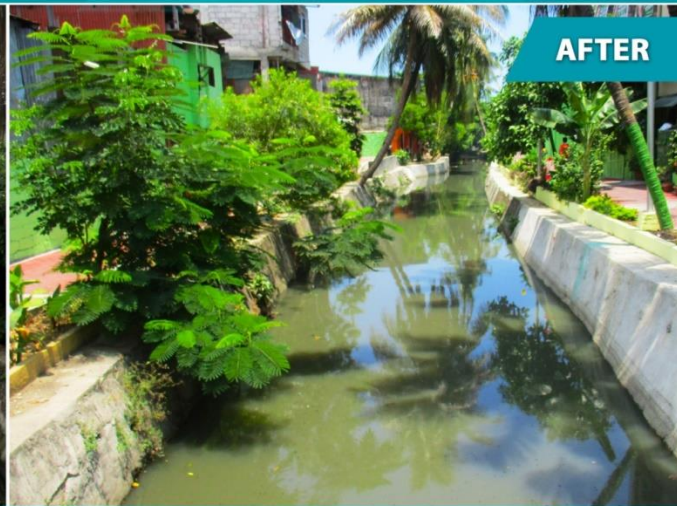
# REHABILITATED ESTERO DE SAMPALOC

(CITY OF MANILA)

**BEFORE**



**AFTER**





## PASIG RIVER REHABILITATION COMMISSION

# REHABILITATED ESTERO DE VALENCIA

(CITY OF MANILA)

**BEFORE**



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## PASIG RIVER REHABILITATION COMMISSION

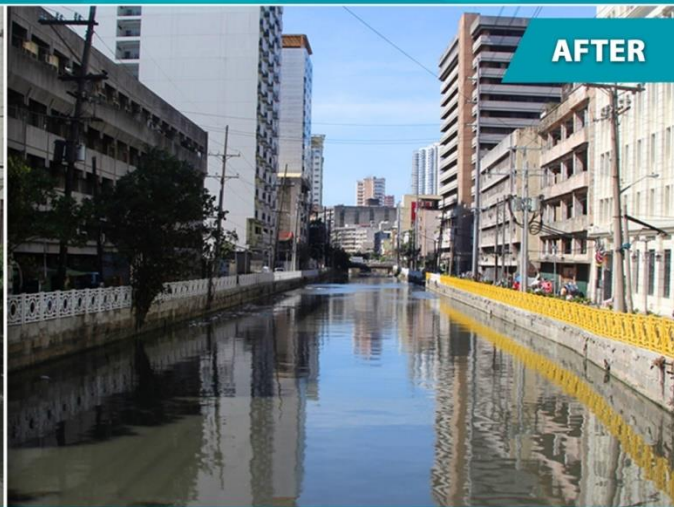
# REHABILITATED ESTERO DE BINONDO

(CITY OF MANILA)

**BEFORE**



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## PASIG RIVER REHABILITATION COMMISSION

# REHABILITATED ESTERO DELA REINA

(CITY OF MANILA)

**BEFORE**



**AFTER**





## PASIG RIVER REHABILITATION COMMISSION

# REHABILITATED BASECO ROAD ACCESS

(CITY OF MANILA)

**BEFORE**



**AFTER**





## PASIG RIVER REHABILITATION COMMISSION REHABILITATED MAYTUNAS CREEK (MANDALUYONG CITY)

**BEFORE**



**AFTER**





## PASIG RIVER REHABILITATION COMMISSION

# REHABILITATED ERMITANYO CREEK

(SAN JUAN CITY)

**BEFORE**



**AFTER**





## PASIG RIVER REHABILITATION COMMISSION

# REHABILITATED PASONG TAMO CREEK

(QUEZON CITY)

**BEFORE**



**AFTER**



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## PASIG RIVER REHABILITATION COMMISSION

# REHABILITATED POBLACION LINEAR PARK

(MAKATI CITY)

**BEFORE**



**AFTER**





# ENVIRONMENTAL MANAGEMENT

Through waste management  
and water quality  
improvement technologies





# MULTILEVEL PUBLIC AWARENESS



# OPPORTUNITIES have opened





Perceived Benefits of Residents of Paco	Agree	Disagree
Feel Less Sick	89%	11%
Lower Medical Expenses	85%	15%
Community Pride	97%	3%
Happier Community	97%	3%
Stronger Unity	96%	4%
Feel Safer	89%	11%
Motivation to Clean Up	97%	3%
Greater Peace of Mind	97%	3%
Getting More Exercise	100%	0%
Greater Life Satisfaction	97%	3%

# Quality of life has **IMPROVED**

85% said their families saved P819  
a month on health.  
40% reduction in crime.



...s to our Asia Riverprize winner!

Congratulations to our Asia Riverprize





We do not inherit  
the Earth from  
our ancestors,  
we borrow it from  
our children...





# THANK YOU VERY MUCH!

