

# The Role of Protected Areas (PAs) in Philippine Sustainable Development

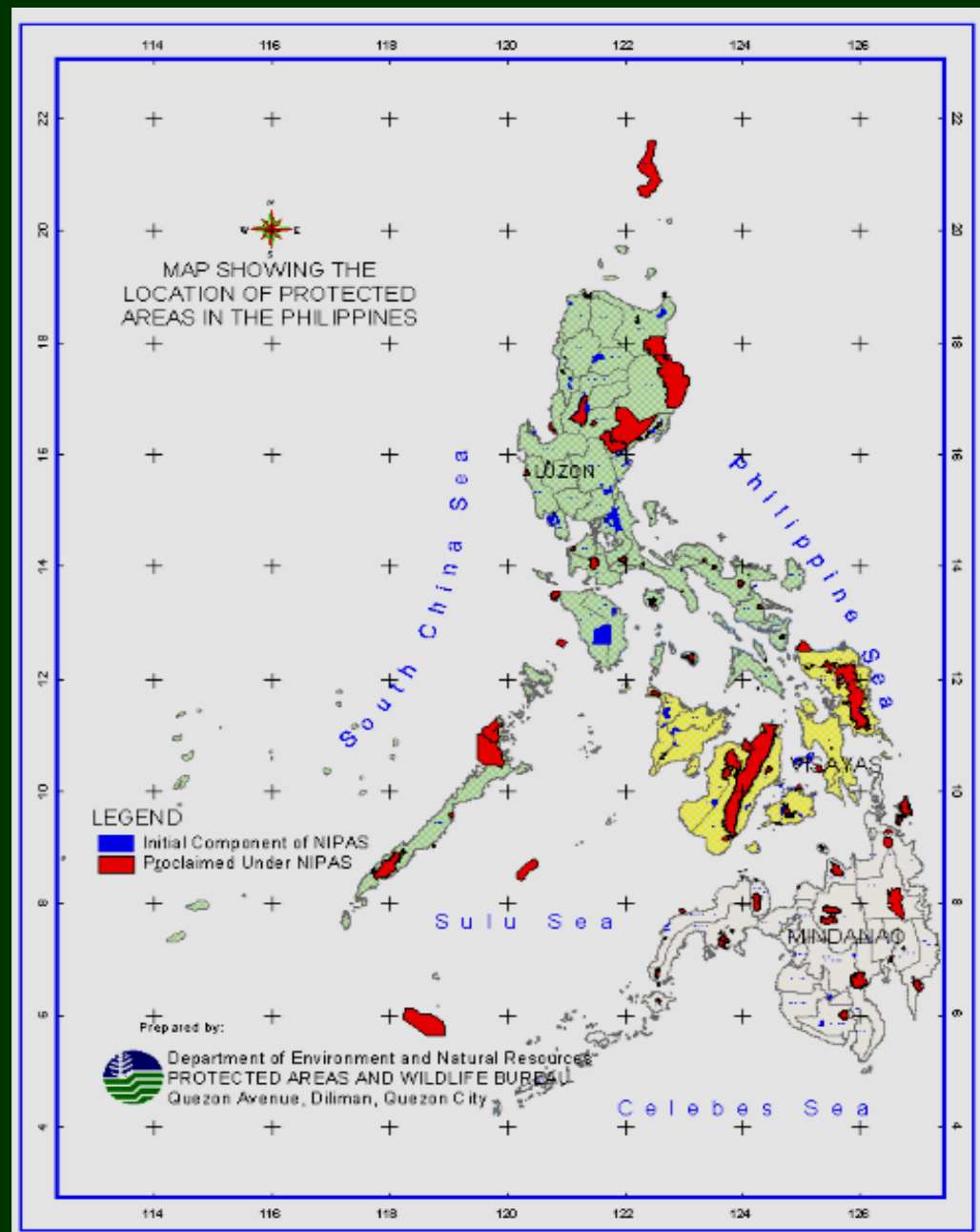
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# The Role of Protected Area (PA) in Philippine Sustainable Development

**240 terrestrial PAs in the Philippines cover 5.45 million hectares or more than 18% of the country's total land area**



# National Integrated Protected Areas System (NIPAS) Act

- provides the legal framework for the establishment and management of PAs in the Philippines
- PAs are the identified portions of land and/or water
  - set aside by reason of their unique physical and biological significance
  - managed to enhance biological diversity and protected against destructive human exploration
  - managed by the PAMB

**NIPAS Act of 1992 (Republic Act 7586)**



## Protected Area Management Board (PAMB)

The NIPAS Act requires the creation of a PAMB per PA.

- a multi-sectoral and decision-making body for each PA established, composed of:
  - National Government
  - Provincial/Local Government
  - Private Sector
  - Local communities/Indigenous People
- The PAMB is basically responsible for the management of the protected area.

NIPAS Act of 1992 (Republic Act 7586)

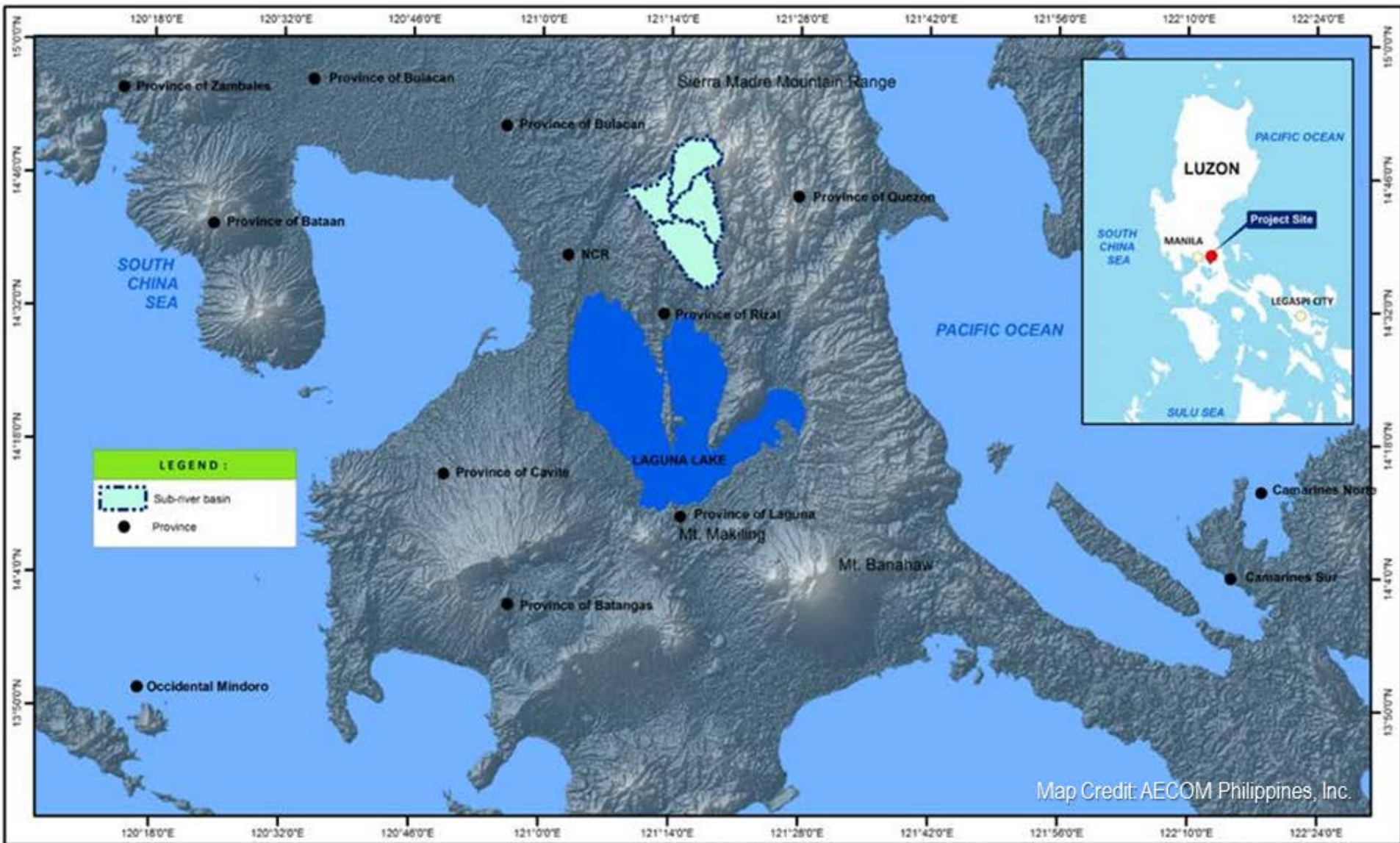
**The devastation caused by typhoon Ondoy (Ketsana) in September 2009 caused:**

- **massive flooding from the degraded Marikina River Basin.**
- **loss of lives (464 dead )**
- **damage to properties**
- **Cost of Damage to about US\$ 4.8 billion**

before Ondoy

during Ondoy





**Location of the Upper Marikina River Basin**

**The massive  
flooding came  
from the Upper  
Marikina  
mountains.**





## Upper Marikina River Basin Protected Landscape (UMRBPL)

The Upper Marikina is faced with challenges such as :

- Deforestation - trees were cut for fuel wood and charcoal-making for domestic use and source of livelihood
- In-migration - clearing for construction of houses
- Soil erosion due to decrease of forest cover
- Biodiversity loss

**These issues prompted the issuance of Presidential Proclamation 296, declaring the Upper Marikina River Basin as a protected area under the NIPAS.**



**The rehabilitation of UMRBPL will enhance the forest cover and absorptive capacity of the watershed.**



## Components of the solution

- Policy declaration
- Preparation and adoption of the management plan
- Consultation and partnership with various stakeholders
- Organized communities are contracted to rehabilitate the Upper Marikina River Basin



# 1. Rehabilitation Process:

**More than 10,000 hectares (24,710 acres) has been planted for restoration.**



National target for NGP : starting 2011 until the end of 2014 –  
more than 900,000 hectares



## 2. An area has been planted with fuelwood for domestic consumption and livelihood



FUELWOOD PLANTATION LOCATED AT  
MOUNT PURO, BRGY. CALAWIS, ANTIPOLLO CITY





### 3. Checkdams were constructed to reduce water velocity –

- reducing flash floods, trap the solid materials (soil, rocks, etc.) that fill waterways causing siltation
- water collected serve as source of water for irrigation and for other domestic purposes





#### 4. Livelihood assistance was provided -

to wean the attention of the people from doing illegal activities, e.g, wildlife gathering, mineral extraction, etc.

Beads making





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### Oyster Mushroom Production



**WE SELL**  
**EDIBLE OYSTER MUSHROOM**  
(MASUSTANSYANG KABUTE)  
Tel. No. 571-8730 \* 696-3694

**HEALTH BENEFITS:**

1. Anti-Cancer  
(Panglaban sa Cancer)
2. Anti-Viral  
(Panglaban sa Impeksyon)
3. Anti-inflammatory  
(Panglaban sa Pamamaga)
4. Immune Enhancer  
(Pampalakas ng Immune System)
5. Help Control Cholesterol



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##### Dehydration and Pulverizing of Fruits and Vegetables



Collected Php16,585.00 on dehydrated Vegetables, Fruits, and Herbs



## 5. Ecotourism Project

Facilities were constructed near the UMRBPL Project Management office to cater to the needs of project visitors and bikers



Visitors Center



Viewing Deck



Souvenir Shop



## 5. Ecotourism Project



Bathing Establishment in Sitio San Roque  
Brgy. Pinugay, Baras, Rizal



**Our responsibility is to sustain these efforts towards the implementation of the management plan**

**Thank  
You!**



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