



Republic of the Philippines
Province of Davao Oriental
Municipality of San Isidro

MOUNT HAMIGUITAN RANGE WILDLIFE SANCTUARY

**UNESCO World Heritage Site
& ASEAN Heritage Park**



LOCATION

Mount Hamiguitan Range Wildlife Sanctuary (MHRWS) is located in the southernmost part of the Philippines in Mindanao Island in the **Province of Davao Oriental**. It straddles two municipalities and one city, namely, the **Municipalities of San Isidro and Governor Generoso and City of Mati** at altitudes ranging from 170 to 1,637 meters above sea level.

COMPONENTS

Core Zone
(Ha)

6,348.99

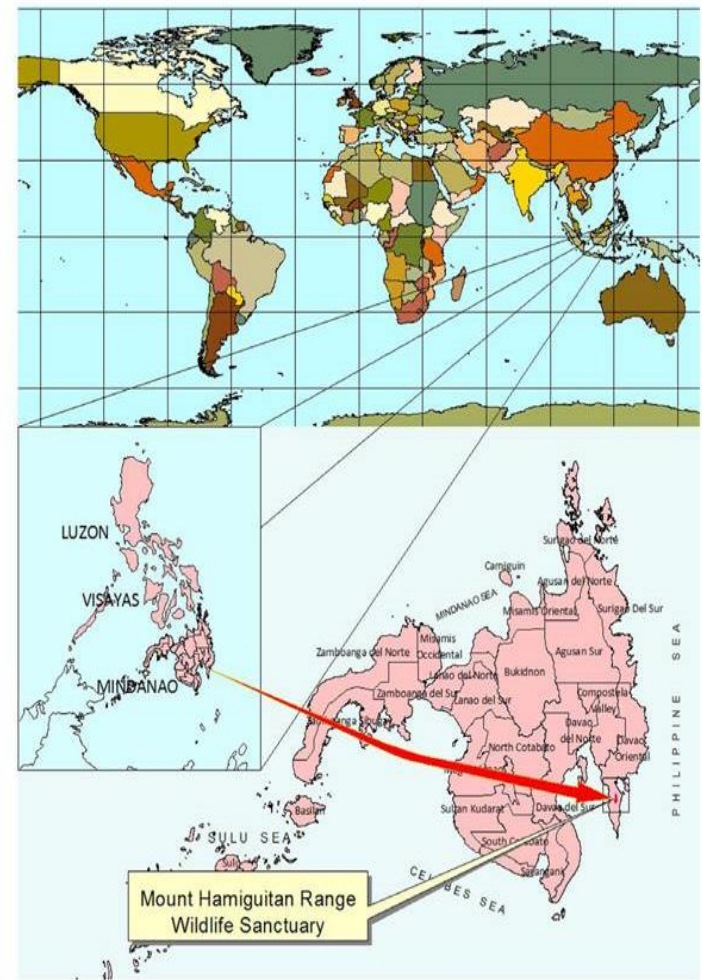
Buffer Zone
(Ha)

783.77

Total Area
(Ha)

7,132.76

LOCATION MAP OF
MOUNT HAMIGUITAN RANGE WILDLIFE SANCTUARY

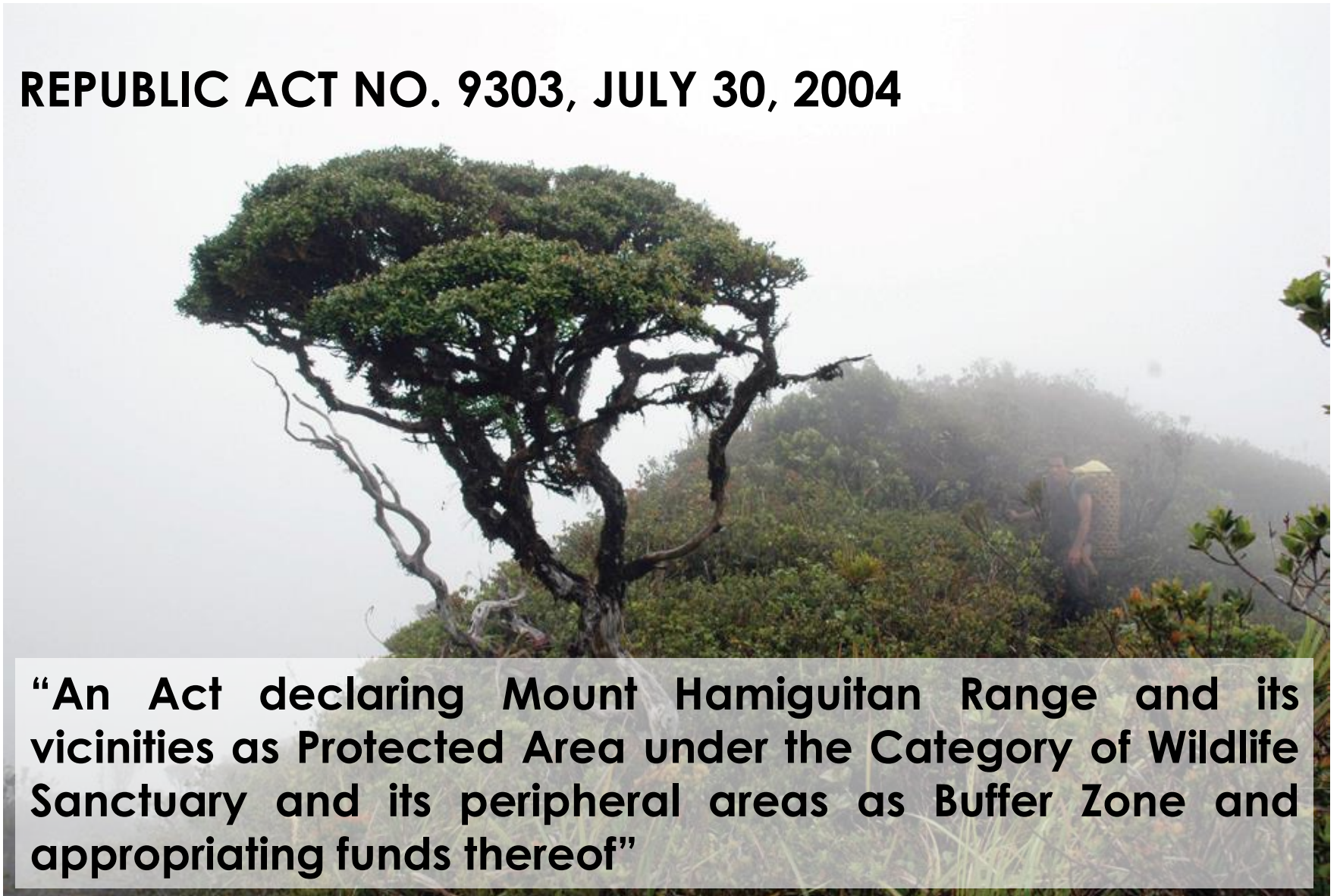


126°10'

126°12'

LEGAL BASIS

REPUBLIC ACT NO. 9303, JULY 30, 2004



“An Act declaring Mount Hamiguitan Range and its vicinities as Protected Area under the Category of Wildlife Sanctuary and its peripheral areas as Buffer Zone and appropriating funds thereof”

KEY FEATURES

LIFE SUPPORT SYSTEM

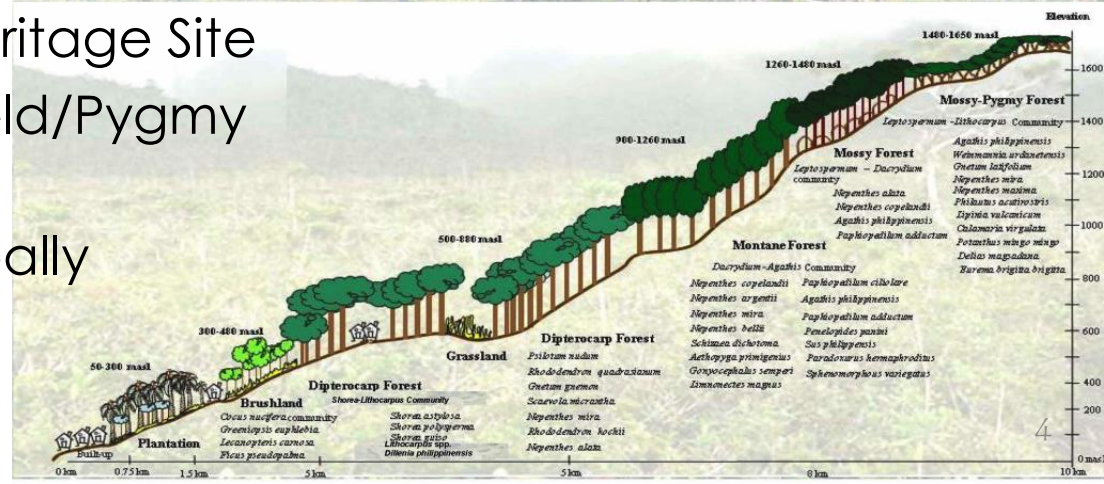
Vital Watershed Area
Ecotourism Destination

A NATURAL MUSEUM

Key Biodiversity Area
Ecological Staircase
Climate change intervention

OBJECT OF NATIONAL PRIDE & INSPIRATION

A cultural and Natural Heritage Site
Largest Natural Bonsai Field/Pygmy Forest
Wildlife Sanctuary of globally important wildlife



BIOLOGICAL FEATURES

VEGETATION/HABITAT TYPES



Agro-ecosystem (70-410 masl)



Dipterocarp Forest (410-920 masl)



Montane Forest (922-1170 masl)

BIOLOGICAL FEATURES

VEGETATION/HABITAT TYPES



PHYSICAL FEATURES

GEOLOGY

- Soil contains high concentrations of iron and magnesium
- Predominant ultrabasic substrate

CLIMATE

- Generally wet all year round
- Monthly average rainfall of 105.5 mm
- Temperature range from 10 - 31.4 °C

HYDROLOGY

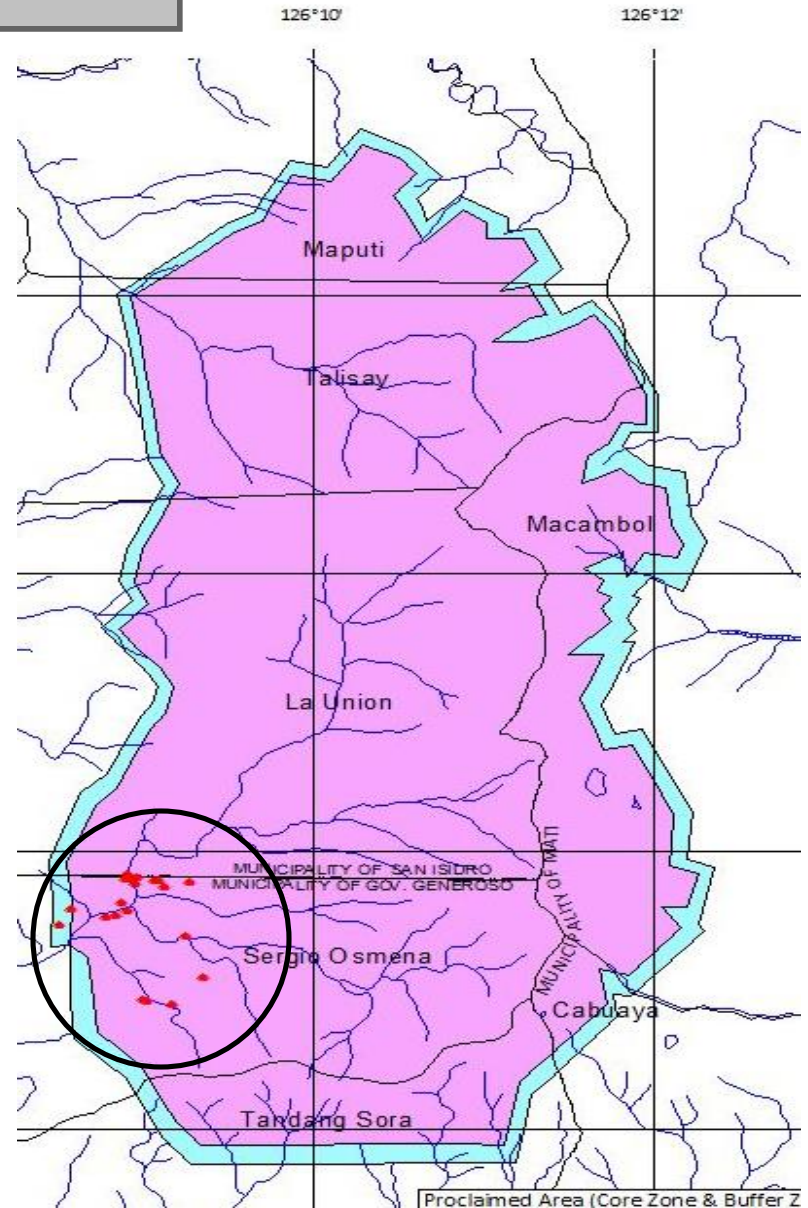
- Headwater catchment of the 5 major river networks (Bitaoogan, Mabua, Dumagooc, Tibanban & Jericho-Salingkomot)



SOCIO-CULTURAL FEATURES

COMMUNITY SETTLEMENT

- Generally uninhabited by human communities

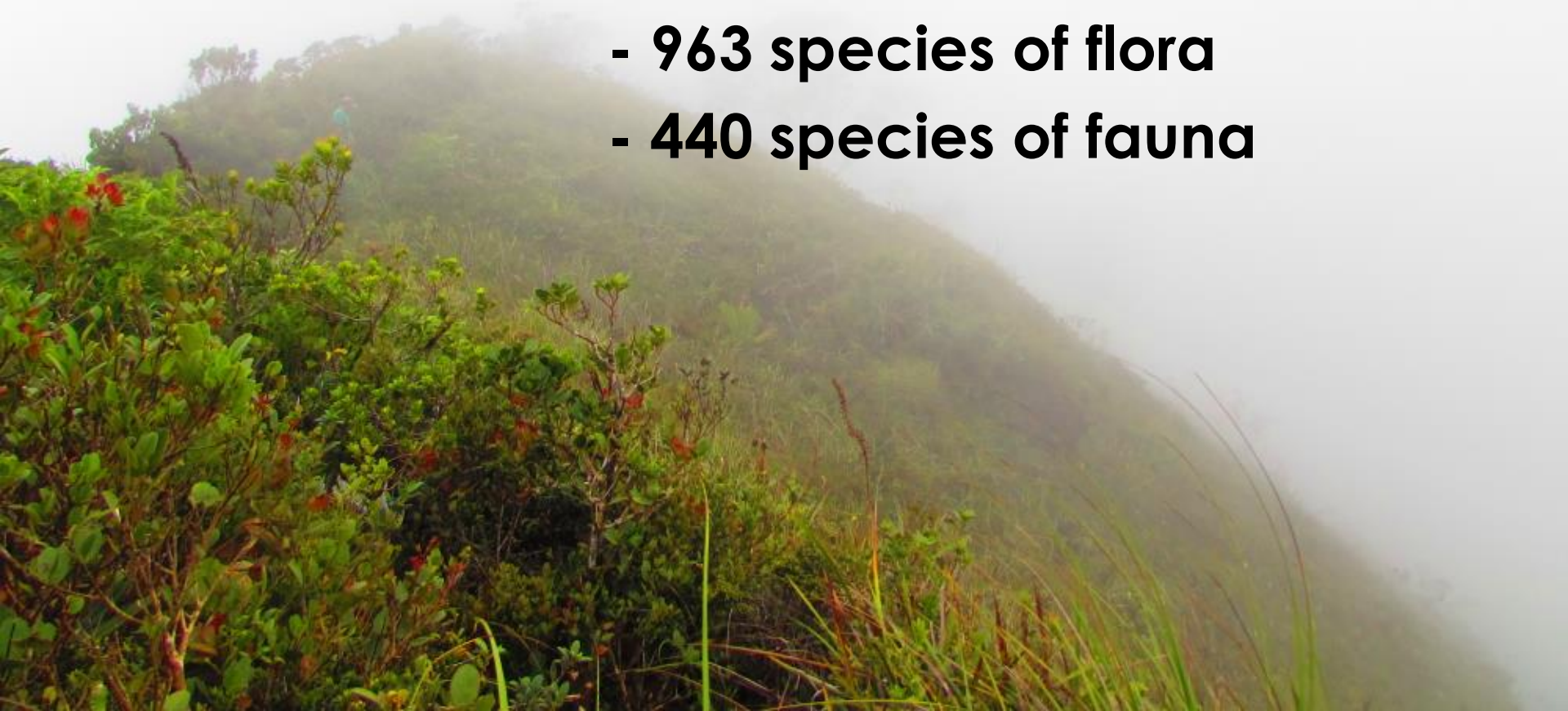


BIOLOGICAL FEATURES

SPECIES DIVERSITY

A Total of 1,403 species

- 963 species of flora**
- 440 species of fauna**



BIOLOGICAL FEATURES

FLORA (963 total species)

- 729 angiosperms
- 27 gymnosperms
- 151 ferns
- 13 fern allies
- 17 Mosses
- 13 Liverworts
- 13 Lichens

Site Endemic:

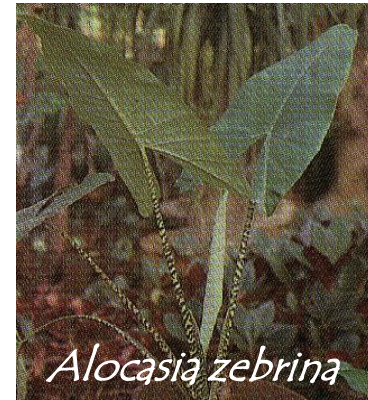
- *Nepenthes hamiguitanensis*
- *Nepenthes peltata*
- *Nepenthes micramphora*
- *Dendrochilum kopfii*
- *Lindsaea hamiguitanensis*
- *Hoya amorosoae*

11/04/2014

BIOLOGICAL FEATURES

SOME THREATENED PLANT SPECIES

- ***Shorea astylosa*** (Yakal)
- ***S. polysperma*** (Tanguile)
- ***S. contorta*** (White Lauan)
- ***Alocasia zebrina*** (Badiang)
- ***Nepenthes* spp.** (Pitcher Plants)
- ***Paphiopedillum adductum***
(Lady's Slipper Orchid)
- ***Bikkia montoyae***
- ***Phalaenopsis sanderiana***



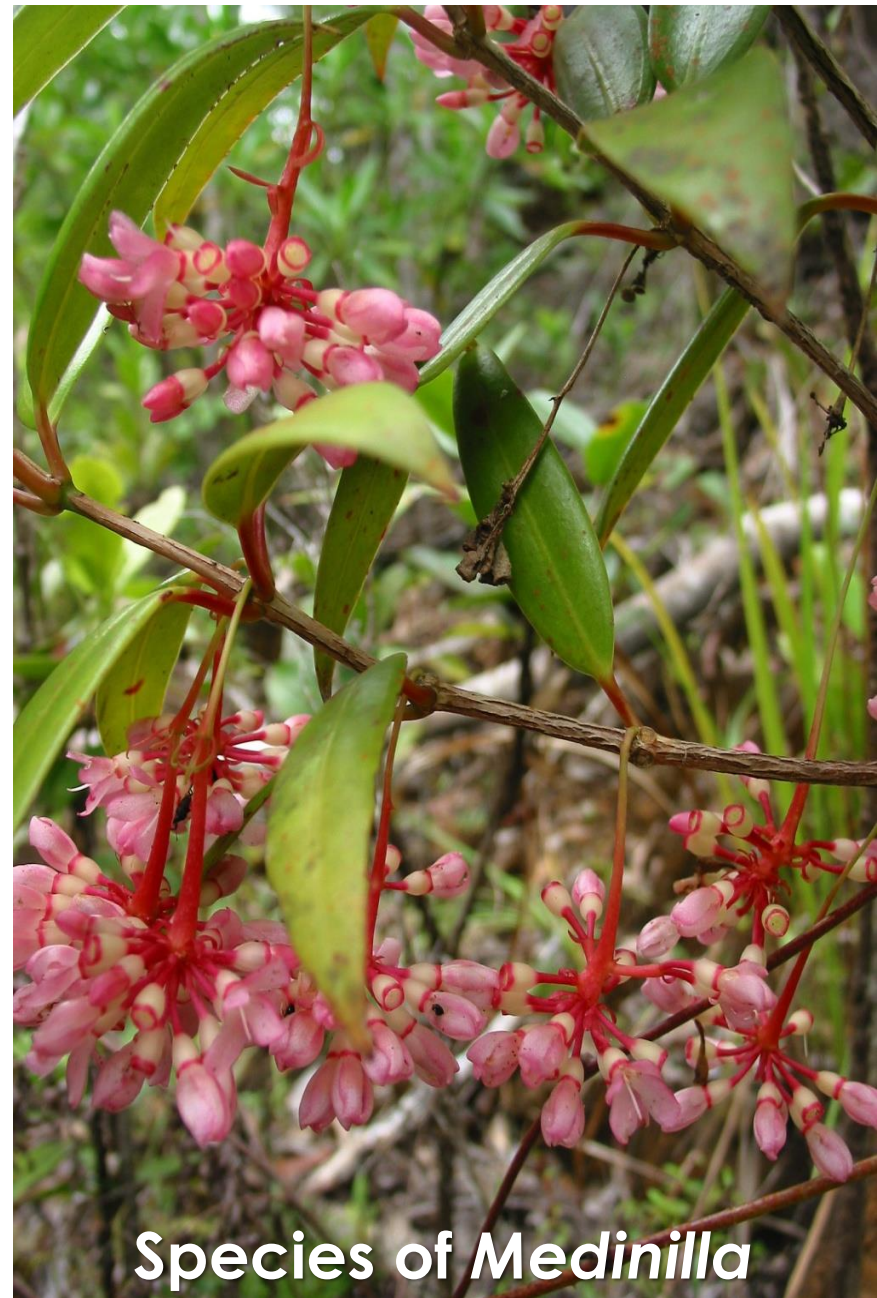
SOME ENDEMIC & ORNAMENTAL PLANTS



Medinilla apoensis



Medinilla surigaoensis



Species of *Medinilla*

SOME RARE AND ORNAMENTAL FERNS



Capa de Leon Fern
(*Platycerium coronarium*)
Ornamental



Blechnum egregium (Endemic & Edible)

RARE ANT FERNS



Lecanopteris sinousa



Lecanopteris deparioides



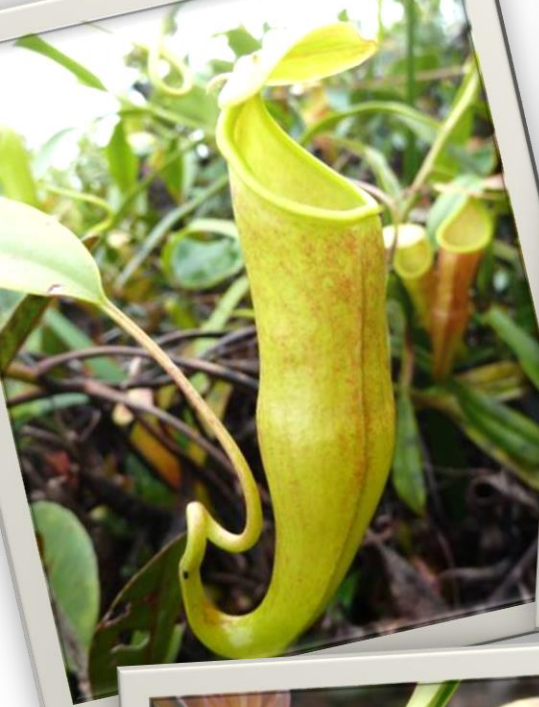
Lecanopteris carnosa

Site endemic Pitcher plant



Nepenthes peltata

Site endemic Pitcher plant



Nepenthes micramphora
one of the new species recently
discovered

Site endemic Pitcher plant



Nepenthes hamiguitanensis

BIOLOGICAL FEATURES

FAUNA (440 total species)

- 15 non volant (non-flying) mammals
- 11 volant (flying) mammals
- 103 avi-fauna
- 33 reptiles
- 16 frogs
- 142 butterflies
- 31 dragonflies
- 46 spiders
- 4 earthworms
- 15 nematodes
- 17 Fish

Site Endemic:

1. *Batomys hamiguitan* (Hairy-tailed Rat)
2. *Bicirronema hamiguitanense* (nematode)
3. *Arophala eridanus davalma* (Butterfly)
4. *Taraka hamada dustinkeani* (Butterfly)
5. *Paroparu cebuensis hamiguitanensis* sspn. (Butterfly)
6. *Delias magsadana* (Butterfly)

BIOLOGICAL FEATURES

CONSERVATION STATUS OF FAUNA

- 39 Mindanao Endemic
- 6 Site Endemic
- 2 Critically Endangered
- 6 Endangered
- 21 Vulnerable
- 113 Rare
- 124 Philippine Endemic
- **6 New Species**



BIOLOGICAL FEATURES



The Philippine Eagle
(*Pithecophaga jefferyi*),
Critically Endangered

Mindanao Tarictic Hornbill
(*Pinelopides affinis*),
Vulnerable





Philippine Cockatoo
(*Cacatua haematuropygia*)
Critically Endangered



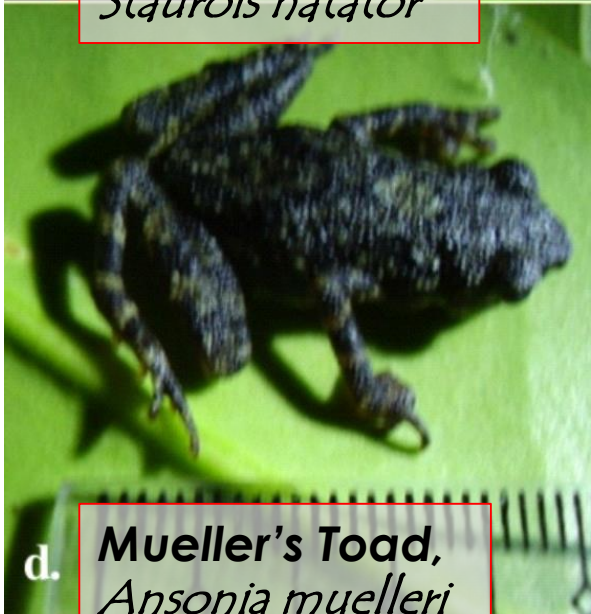
a. **Rock Frog,**
Staurois natator



b. **Big-eyed Frog (Tig-tig),**
Rana granducola



c. **Philippine Wood land Frog (Bak-bak),**
Limnonectes magnus



d. **Mueller's Toad,**
Ansonia muelleri



e. **Stjnegeri Megopghrys (Baki-sungayan),**
Megophrys stejnegeri



f. **Pointed-snouted Tree Frog,**
Phyllautus acutirostris

Endemic amphibians (Frogs)

Reptiles: Snakes



Philippine Pit Viper (Dupong)
Tropidolaemus wagleri
subannulatus

Dark-spotted Mock Viper
Psammodynastes pulverulentus





White - Spotted Anglehead,
Gonyocephalus semperi



Yellow-Striped Slender Tree Skink,
Lipinia pulchellum



Variable-backed Narrow-disked Gecko,
Gekko monarchus

Reptiles: Endemic Lizard



Philippine Trogon (Bakaka),
Harpactes ardens



Philippine Bulbul
(Tagbay/Tagmaya),
Hypsipetes philippinus



Yellow-Wattled
Bulbul (Baliwing),
Pycnonotus urostictus



Yellow - bellied
Whistler (Tagkolirit),
Pachycephala philippensis



Black – headed
tailorbird (Tamsi),
Orthotomus nigriceps



Blue Fantail (Siloy),
Rhipidura superciliaris

Endemic birds



**Philippine Pygmy
Fruit Bat (Kwaknit),**
Haplonycteris fischeri



Musky Fruit Bat (Kwaknit),
Ptenochirus mayor



Asian Palm Civet (Milo)
Paradoxurus hermaphroditus



Lesser Musky Fruit Bat (Kwaknit),
Ptenochirus minor



Mammals: Volant (flying) and non-volant (non-flying)

SITE ENDEMIC FAUNA

The Rarest Butterfly (*Delias magsadana*)

MHRWS is the home of diverse and endemic butterfly species. A total of 142 species of butterflies have been identified from 65 genera and five families. Of these, 44 species are endemic: four sites in the Philippines, 22 species of Philippine endemic, two eastern Mindanao endemic, 16 Mindanao endemic, and four species is site endemic such as *Coladenia ochracea*, *Colandenia semperi*, *Arisbe euphratoides* and *Delias magsadana* the rarest of them all and can be found only in the mossy-pygmy forest of the sanctuary.



Endemic Butterflies



Catopsilia p. pomona
PIERIDAE



Catopsilia p. pyranthe
PIERIDAE



Catopsilia scylla asema
PIERIDAE



Cepora aspasia oranfia
PIERIDAE



Delias magsadana
PIERIDAE



Delias hyparete mindanaensis
PIERIDAE



Eurema alina alina
PIERIDAE



Eurema brigitta roberto
PIERIDAE



Eurema hecabe tamiathis
PIERIDAE



Eurema s. sarilata
PIERIDAE



Pareronia



Pareronia

SITE ENDEMIC FAUNA



Site Endemic

Hamiguitan hairy-tailed rat (*Batomys hamiguitan*)

One new species, the Hamiguitan hairy-tailed rat *Batomys hamiguitan* was likewise noted to be site endemic. The Hamiguitan hairy-tailed rat is a yellow-brown rodent with a long furry tail. Weighing about 175 grams (6.2 ounces), it lives 950 meters (3,117 feet) above sea level in the mossy-pygmy forests.

Mount Hamiguitan Range Wildlife Sanctuary under Long-Term Ecological Research (LTER)

Mt. Hamiguitan was identified and declared as one of the six sites in the Philippines under a site-based LTER by the Philippine LTER which is one of the country-based networks of the International LTER

International LTER is an affiliation of networks of scientists in various countries who are engaged in long-term, site-based research which aimed to improve understanding of global ecosystems and cater solutions to present and forthcoming environmental problems.

A photograph of a bird, possibly a hawk or eagle, in flight over a dense forest. The bird is seen from below, with its wings spread, flying towards the right. The background is a lush green forest with various trees and foliage. The text is overlaid on the top half of the image.

Mount Hamiguitan Range Wildlife Sanctuary as part of the Eastern Mindanao Biodiversity Corridor (EMBC)

Mount Hamiguitan is one of the nine Key Biodiversity Areas housing diverse assemblage of fauna and flora that comprise the EMBC, under a conservation program funded by the Critical Ecosystems Partnership Fund which aimed to set up protection and management regimes and establish links between patches of wildlife habitat called “biological corridors” in Eastern Mindanao.



Mount Hamiguitan Range Wildlife Sanctuary listed as Important Bird Area (IBA)

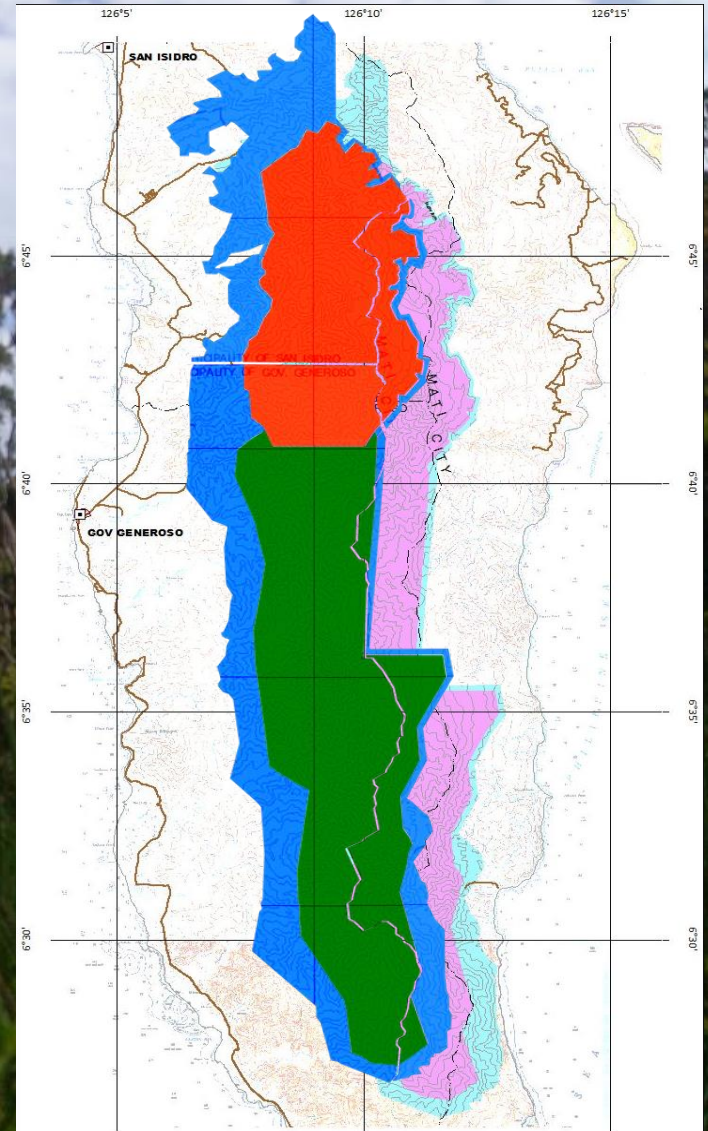
As listed, Mount Hamiguitan (PH089) falls under A1 and A2 Global Important Bird Area (IBA) Criteria, which means that the area is known or thought to hold a significant number of globally threatened or other species of global conservation concern (including the critically endangered Philippine Eagle) and group of restricted-range species whose breeding distributions define an Endemic Bird Area (EBA) or Secondary Area.

Mount Hamiguitan Range Wildlife Sanctuary (MHRWS) as expanded by Local Conservation Areas (LCAs) and declared a World Heritage site

The expansion of Mount Hamiguitan Range Wildlife Sanctuary (MHRWS) by LCAs was mandated through local initiatives.

Currently, the Local Conservation Areas (LCA) were already approved through Municipal Ordinances of LGUs San Isidro (Mun. Ord. # 2014-225 & 2014-330) and Gov. Generoso (Mun. Ord. # 2014-04).

The LCA in the City of Mati is currently in the process for approval through the passage of Ordinance.





MOUNT HAMIGUITAN RANGE WILDLIFE SANCTUARY


represents a complete set of intact mountain ecosystems
which contains **OUTSTANDING UNIVERSAL VALUE**

that led to its declaration as
the Philippines' 6th

UNESCO WORLD HERITAGE SITE

and ASEAN HERITAGE PARK

Mindanao's 1st and only ...



**Mount Hamiguitan Range Wildlife Sanctuary
(MHRWS) was officially declared as a World
Heritage Site during the 38th Session of the World
Heritage Committee of UNESCO on June 23, 2014 in
Doha, Qatar and ASEAN Heritage Park on October
31, 2014 in Myanmar during 35th session of the ASEAN
Heritage Committee**

**the significance for inscription is heightened pride
with heightened responsibility for protection and
conservation**

SAFETY AND SECURITY

We have:

Registered BANTAY GUBATS	31
❖ LGU- San Isidro	21
❖ Peoples Organization (PO)	10

PNP-San Isidro	32
TOURIST POLICE-San Isidro	4
28IB PHILIPPINE ARMY 2 nd SCOUT RANGER BAT.	



San Isidro ACCOMMODATION

HOMESTAY ACCREDITED	58



SERVICE

REGISTERED PORTERS	125

The background of the image is a vibrant, lush green forest. In the foreground, there are various types of tropical plants, including some with long, thin, needle-like leaves and others with broader, rounded leaves. The forest extends into the distance, with a blue sky and some white clouds visible at the top. A semi-transparent grey rectangular box is positioned in the upper left quadrant, containing the text "THANK YOU!!!".

THANK YOU!!!

**Explore and Experience San Isidro,
Davao Oriental**