ENR *Profile*

Land Classification & Distribution

1,714,803 hectares
TOTAL LAND AREA

817,669 hectares
ALIENABLE AND DISPOSABLE LAND

897,134 hectares
FORESTLAND

Forestland is divided into unclassified forestland measuring 52,602 hectares, and classified forestland of 844,532 hectares. The classified forestland is further classified into 6 types.

85,140 hectares
Forest Reserves

53,319 hectares
National Parks & GRBS/WA*

687,444 hectares
Established Timberland

7,996 hectares
Military and Naval Reservations

3 hectares
Civil Reservations

10,630 hectares
Fishpond

Note: *GRBA/WA-Game Refuge and Bird Sanctuaries/Wilderness Area
Source: Philippines Forestry Statistics, 2020

Land Classification & Distribution

By Province

BUKIDNON

Total Land Area: 829,378 ha
Forestland: 491,579 ha
A & D: 337,799 ha
Unclassified FL: 52,602 ha
Classified FL: 438,997 ha

Forest Reserves: 50,636 ha
Established Timberland: 379,589 ha
Fishpond: 8,752 ha

CAMIGUIN

Established Timberland: 4,223 ha

Total Land Area: 25,286 ha
Forestland: 4,223 ha
A & D: 21,063 ha
Classified FL: 4,223 ha

LANAO DEL NORTE

Total Land Area: 309,204 ha
Forestland: 150,731 ha
A & D: 158,473 ha
Classified FL: 150,731 ha

Forest Reserves: 26,388 ha
Established Timberland: 116,347 ha
Military & Naval Reservations: 7,996 ha

MISAMIS OCCIDENTAL

Forest Reserves: 280 ha
Established Timberland: 13,137 ha
National Park & GRBS/WA : 53,262 ha
Fishpond: 1,878 ha

Total Land Area: 193,932 ha
Forestland: 68,557 ha
A & D: 125,375 ha
Classified FL: 68,557 ha

MISAMIS ORIENTAL

Total Land Area: 357,003 ha
Forestland: 182,044 ha
A & D: 174,959 ha
Classified FL: 182,044 ha

Forest Reserves: 7,836 ha
Established Timberland: 174,148 ha
National Park & GRBS/WA : 57 ha
Civil Reservations: 3 ha

Source: Philippines Forestry Statistics, 2020

Forest Cover

By Province

179,007 hectares
CLOSED FOREST

126,626 hectares
Bukidnon

3,486 hectares
Camiguin

15,129 hectares
Lanao del Norte

23,274 hectares
Misamis Occidental

10,493 hectares
Misamis Oriental

198,132 hectares
OPEN FOREST

75,822 hectares
Bukidnon

2,026 hectares
Camiguin

55,711 hectares
Lanao del Norte

14,726 hectares
Misamis Occidental

49,848 hectares
Misamis Oriental

5,217 hectares
MANGROVE FOREST

19 hectares
Camiguin

2,439 hectares
Lanao del Norte

2,473 hectares
Misamis Occidental

287 hectares
Misamis Oriental

Bukidnon has no mangroves & coastal areas

Source: Philippines Forestry Statistics, 2020

Land Cover

By Type

1,745,682 hectares
Total Land Cover

491,162 hectares
ANNUAL CROP

435,232 hectares
PERENNIAL CROP

238,212 hectares
BRUSH/SHRUB

198,182 hectares
OPEN FOREST

179,016 hectares
CLOSED FOREST

128,234 hectares
GRASSLAND

48,885 hectares
BUILT-UP AREAS

16,175 hectares
INLAND WATER

5,217 hectares
MANGROVE

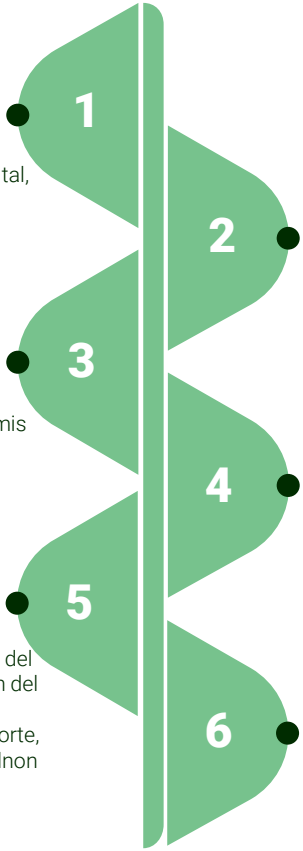
4,531 hectares
FISHPOND

830 hectares
OPEN/BARREN

6 hectares
MARSHLAND

Source: National Mapping and Resource Information Agency

Major River Basins



Cagayan de Oro River Basin

- Area: 1,370.84 sq. m
- Provinces Covered: Misamis Oriental, Bukidnon, and Lanao del Norte
- Outlet: Macajalar Bay

Ranao (Agus) River Basin

- Area: 11,917.86 sq. m
- Provinces Covered: Lanao del Sur, North Cotabato and Lanao del Norte
- Outlet: Ilagan Bay

Tagoloan River Basin

- Area: 1,779.76 sq. m
- Provinces Covered: Misamis Oriental and Bukidnon
- Outlet: Macajalar Bay

Mindanao River Basin

- Area: 20,956.33 sq. m
- Provinces Covered: Maguindanao, Lanao del Sur, Agusan del Sur Cotabato City, Sultan Kudarat, N. Cotabato, S. Cotabato, Davao del Sur, Davao del Norte, and Bukidnon
- Outlet: Moro Gulf

Agusan River Basin

- Area: 12,019.22 sq. m
- Provinces Covered: Surigao del Sur, Agusan del Sur, Agusan del Norte, Compostela Valley, Davao Oriental Davao del Norte, Misamis Oriental, and Bukidnon
- Outlet: Butuan Bay

Davao River Basin

- Area: 1,759.60 sq. m
- Provinces Covered: Bukidnon, Davao del Sur, Davao del Norte, and N. Cotabato
- Outlet: Davao Gulf

Source: 18 Major River Basins in the Philippines (DENR-River Basin Central Office)

Waterbodies

By Classification

4

Major Rivers

- (3) Class A
- (1) Class C

35

Principal Rivers

- (19) Class A
- (5) Class A, B & C
- (4) Class A & C
- (1) Class D
- (6) Unclassified

77

Minor Rivers

- (8) Class A
- (5) Class A, B & C
- (1) Class A & B
- (7) Class A & C
- (1) Class C
- (55) Unclassified

10

Marine Waters/Bays

- (2) Class SA
- (1) Class SA, SB & SC
- (1) Class SB & SC
- (6) Unclassified

6

Lakes

- (1) Class A
- (1) Class B
- (4) Unclassified

Bukidnon

- (1) Major River
  >Classified
- (11) Principal River
  >9 Classified
  >2 Unclassified
- (10) Minor River
  >3 Classified
  >7 Unclassified
- (4) Lakes
  >2 Classified
  >2 Unclassified

Camiguin

- (18) Minor River
  >Unclassified
- (2) Marine Waters
  >Classified

Lanao del Norte

- (1) Major River
  >Classified
- (11) Principal River
  >7 Classified
  >4 Unclassified
- (13) Minor River
  >1 Classified
  >12 Unclassified
- (1) Marine Waters/Bays
  >Classified
- (1) Lake
  >Unclassified

Misamis Occidental

- (3) Principal River
  >Classified
- (16) Minor River
  >7 Classified
  >9 Unclassified
- (4) Marine Waters/Bays
  >Unclassified
- (1) Lake
  >Unclassified

Misamis Oriental

- (2) Major River
  >Classified
- (10) Principal River
  >Classified
- (20) Minor River
  >11Classified
  >9 Unclassified
- (3) Marine Waters/Bays
  >1 Unclassified
  >2 Unclassified

Source: Environmental Management Bureau, Region X

Watershed Forest Reserve

Pulangi Watershed Reservation

Area: 309,750 hectares

Location: Portion of Impasugong, Cabanglasan, San Fernando, Maramag, portion of Quezon, Valencia City, and Malaybalay all in Bukidnon

Proclamation No.: 871

Mahoganao Watershed Forest Reserve

Area: 136 hectares

Location: Cagayan de Oro City, Misamis Oriental

Proclamation No.: 470

Source: Philippines Forestry Statistics, 2020

Priority Critical Watershed

Region X as the lead region

Cagayan River Watershed
135,558 hectares

Daromaoang River Watershed
45,235 hectares

Region X as the support region

Salug Daku River Watershed
89,908 hectares

Labangan River Watershed
48,112 hectares

Sibuguey River Watershed
83,038 hectares

Tagum Libuganon River Watershed
316,857 hectares

Tomantaca River Watershed
1,861,419 hectares

Agusan-Agusan del Norte River Watershed
1,160,552 hectares

Maria Cristina River Watershed
189,400 hectares

Source: Philippines Forestry Statistics, 2020

Watershed Profiling, VA & IWMP

PROFILING

38

- (7) Bukidnon
- (2) Camiguin
- (5) LDN
- (10) Mis Occ
- (14) Mis Or

VA/CRVA

32

- (7) Bukidnon
- (2) Camiguin
- (3) LDN
- (9) Mis Occ
- (11) Mis Or

IWMP

28

- (6) Bukidnon
- (2) Camiguin
- (4) LDN
- (6) Mis Occ
- (10) Mis Or

For CRVA Updating

18

- (5) Bukidnon
- (1) Camiguin
- (2) LDN
- (4) Mis Occ
- (6) Mis Or

VA- Vulnerability Assessment

CRVA- Climate Risk Vulnerability Assessment

IWMP- Integrated Watershed Management Plan

Source: RBCO-CDD, DENR-X

Key Biodiversity Area

1) Mt. Kitanglad RNP
2) Mt. Kalatungan RNP
3) Mt. Kaluayan-Mt. Kinabalian Complex
4) Mt. Tago RNP

4

BUKIDNON

(3) Critically Endangered Species
(9) Endangered Species
(56) Vulnerable Species
(42) Restricted-range Species

1) Mt. Timpoong-Hibok-hibok Natural Monument

1

CAMIGUIN

(1) Endangered Species
(2) Vulnerable Species
(26) Restricted-range Species

1) Munai/Tambo

1

LANAO DEL NORTE

(1) Critically Endangered Species
(1) Endangered Species
(4) Vulnerable Species
(1) Restricted-range Species

1) Mt. Malindang RNP

1

MISAMIS OCCIDENTAL

(1) Critically Endangered Species
(4) Endangered Species
(23) Vulnerable Species
(30) Restricted-range Species

1) Mt. Balatukan RNP

1

MISAMIS ORIENTAL

(1) Critically Endangered Species
(5) Vulnerable Species
(9) Restricted-range Species

Source: Priority Sites for Conservation in the Philippines: Key Biodiversity Areas- BMB, and PAMBCS-CDD, DENR-X

Protected Area

Legislated

- Total Area: 47,234 hectares
- PA: 31,236 hectares
- Buffer Zone: 16,034 hectares
- Multiple-used Zone: 125 km
- Strict Protection Zone: 117 km
- Location: Bukidnon

Mt. Kitanglad Range Natural Park

- Total Area: 22,225.11 hectares
- PA: 22,225.14 hectares
- Multiple-used Zone: 114 km
- Strict Protection Zone: 90 km
- Location: Bukidnon

Mt. Kalatungan Range Natural Park

- Total Area: 2,203.39 hectares
- Multiple-used Zone: 14 km
- Strict Protection Zone: 14 km
- Location: Camiguin

Mts. Timpoong-Hibok-hibok Natural Monument

- Total Area: 4,236.18 hectares
- Multiple-used Zone: 14 km
- Strict Protection Zone: 50 km
- Location: Lanao del Norte

Mt. Iniyawan Range Natural Park

- Total Area: 53,028 hectares
- Buffer zone: 18,334 hectares
- Multiple-used Zone: 145 km
- Strict Protection Zone: 174 km
- Location: Misamis Occidental

Mt. Malindang Range Natural Park

- Area: 315.50 hectares
- Multiple-used Zone: 6 km
- Strict Protection Zone: 4 km
- Location: Misamis Occidental

Baliangao Protected Landscape & Seascape

- Area: 921.02 hectares
- Terrestrial: 64.86 ha
- Seascape: 256.16 ha
- Location: Misamis Oriental

Initao-Libertad Protected Landscape & Seascape

- Area: 66 hectares
- Location: Misamis Oriental

Mimbilisan Protected Landscape

- Area: 8,437.87 hectares
- Location: Misamis Oriental

Mt. Balatukan Range Natural Park

Declared as ASEAN Heritage Parks

Source: PAMBCS-CDD, DENR-X

Protected Area

Liangan-Lipatan Rivers Mangrove Swamp Forest Reserve

- Total Area: 2,700.44 hectares
- Location: Lanao del Norte

Bagumbang-Malaubang Mangrove Swamp Forest Reserve

- Total Area: 340 hectares
- Location: Misamis Occidental

Malasag-Mahuganao Watershed Forest Reserve

- Area: 8,437.87 hectares
- Location: Misamis Oriental

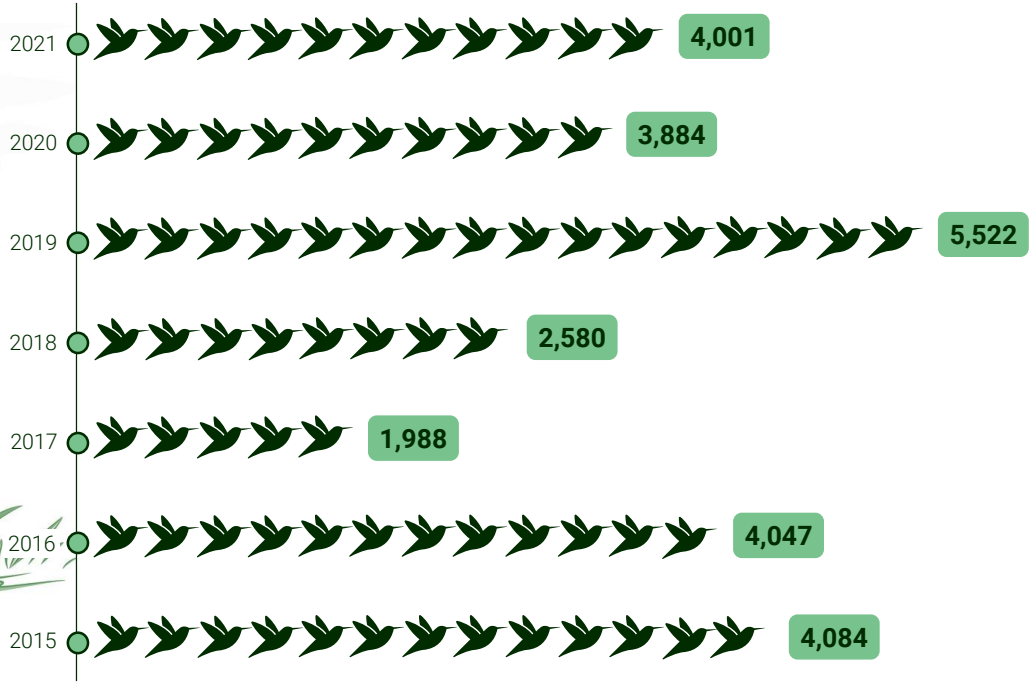
Source: PAMBCS-CDD, DENR-X

Wetlands

Note: *Wetlands that have been assessed and with a Management Plan
Source: PAMBCS-CDD, DENR-X

Water Bird Census

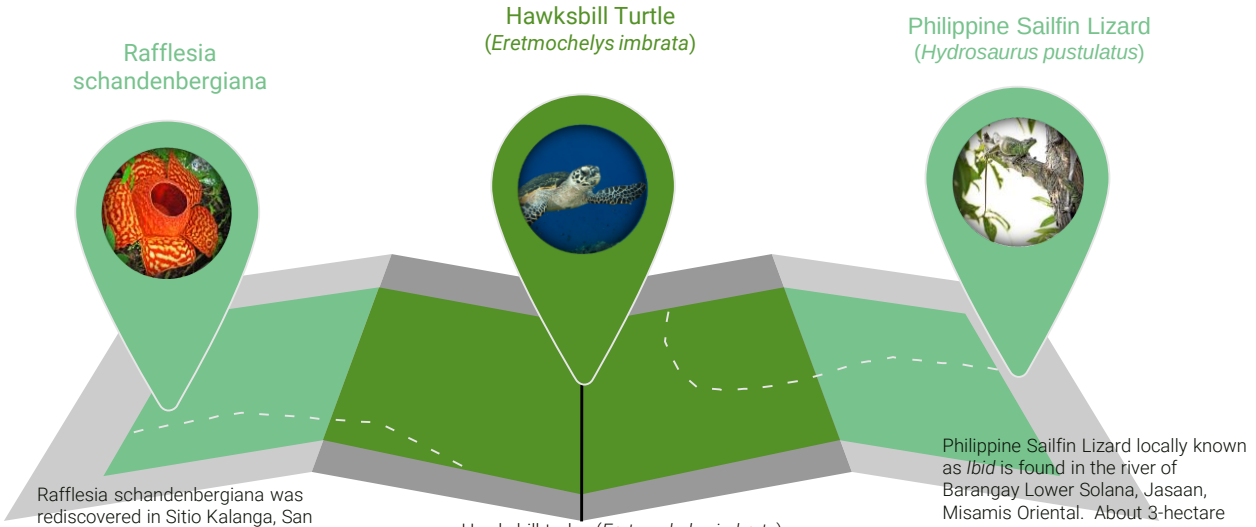
By No. and/or Count



Source: PAMBCS-CDD, DENR-X

Critical Habitat

Established & Proposed



Rafflesia schandenbergiana was rediscovered in Sitio Kalanga, San Vicente, Baugon, Bukidnon. Covering an area of 2 hectares was declared as CH by virtue of DAO No. 2011—02. It is the largest flower in the Rafflesia species.

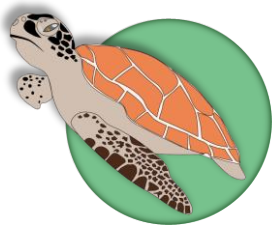
Hawksbill turles (*Eretmochelys imbrata*) are mostly found in Barangays Kandiis, San Isidro and Damayuhan, Magsaysay, Misamis Oriental with an area of 612.87hectares. This coastal area was declared as CH by virtue of DAO No. 2016-02.

Philippine Sailfin Lizard locally known as *Ibid* is found in the river of Barangay Lower Solana, Jasaan, Misamis Oriental. About 3-hectare along the Solana River are now in the final stage to be declared as CH. IUCN listed Philippine Sailfin Lizard under threatened species if the vulnerable category or high risk in the wild.

Source: PAMBCS-CDD, DENR-X

Nesting Sites

Philippine Eagle & Marine Turtle



	Philippine Eagle		Marine Turtle
	8 — *Malaybalay City, Lantapan, San Fernando*, Impasug-ong*, Manolo Fortich*,*	BUKIDNON	*No nesting site, no coastal area*
	No nesting site recorded	CAMIGUIN	10 — *Mambajao*, Guinsiliban*, Mahinog, and Catarman*
	No nesting site recorded	LANAO DEL NORTE	4 — *Sultan Naga Dimaporo*
	1 — *Concepcion*	MISAMIS OCCIDENTAL	2 — *Aloran, and Clarin*
	1 — *Gingoog City*	MISAMIS ORIENTAL	28 — *Magsaysay*, Gingoog City*, Medina, Binuangan*, Salay*, Sugbongcogon, Gitagum*, Naawan, Libertad, Opol*, El Salvador*, Tagoloan, Alubijid*, CDO*, Initao, Laguindinga*

Note: * Municipalities with 2-4 barangays having nesting sites
Source: PAMBCS-CDD, DENR-X

Marine Protected Area

2

Proposed NIPAS MPAs

- Balingoan-Talisayan Protected Landscape and Seascape
- Sultan-Naga Dimaporo Protected Landscape and Seascape

3

Established NIPAS MPAs

- Initao-Libertad Protected Landscape and Seascape
- Baliangao Protected Landscape and Seascape
- Liangan-Lipatan Rivers Mangrove Swamp Forest Reserve

90

LGU-Managed MPAs

- (30) Camiguin
- (17) Lanao del Norte
- (6) Misamis Occidental
- (37) Misamis Oriental

Source: PAMBCS-CDD, DENR-X

Tenured Areas

By No. of Tenurial Instrument

IFMA 3
- (1) Expired
- (2) For cancellation

SIFMA 4
- (3) Existing
- (1) For cancellation

TFLA 1
- (1) Existing

FLGMA 13
- (12) Existing
- (1) Expired

FLGLA 8
- (1) Existing
- (7) Expired

CBFMA 294
- (257) Existing
- (32) In-active
- (50) For cancellation

Source: Enforcement Division, DENR-X

National Greening Program

CY 2011-2021

SEEDLINGS PRODUCED

111,495,544

TOTAL SEEDLINGS PRODUCED

National Greening Program is a massive forest rehabilitation of the government established through Executive Order No. 26 on February 24, 2011. It seeks to plant 1.5 billion seedlings to a 1.5 million hectares nationwide within a period of six years (211-2016). On the heels of the implementation of the NGP, the state saw it fit to further extend its implementation to year 2028 and, thereby, issued Executive Order No. 193, series of 2015 entitled "Enhancing National Greening Program (ENGP)". It aims to cover the remaining 7.1 million hectares of unproductive, denuded and degraded forestlands in the country.

AREA PLANTED

128,467.57 hectares

TOTAL AREA PLANTED

JOBS GENERATED

69,640 employment

TOTAL PERSONS EMPLOYED

With 301,023 jobs generated

SEEDLINGS PLANTED

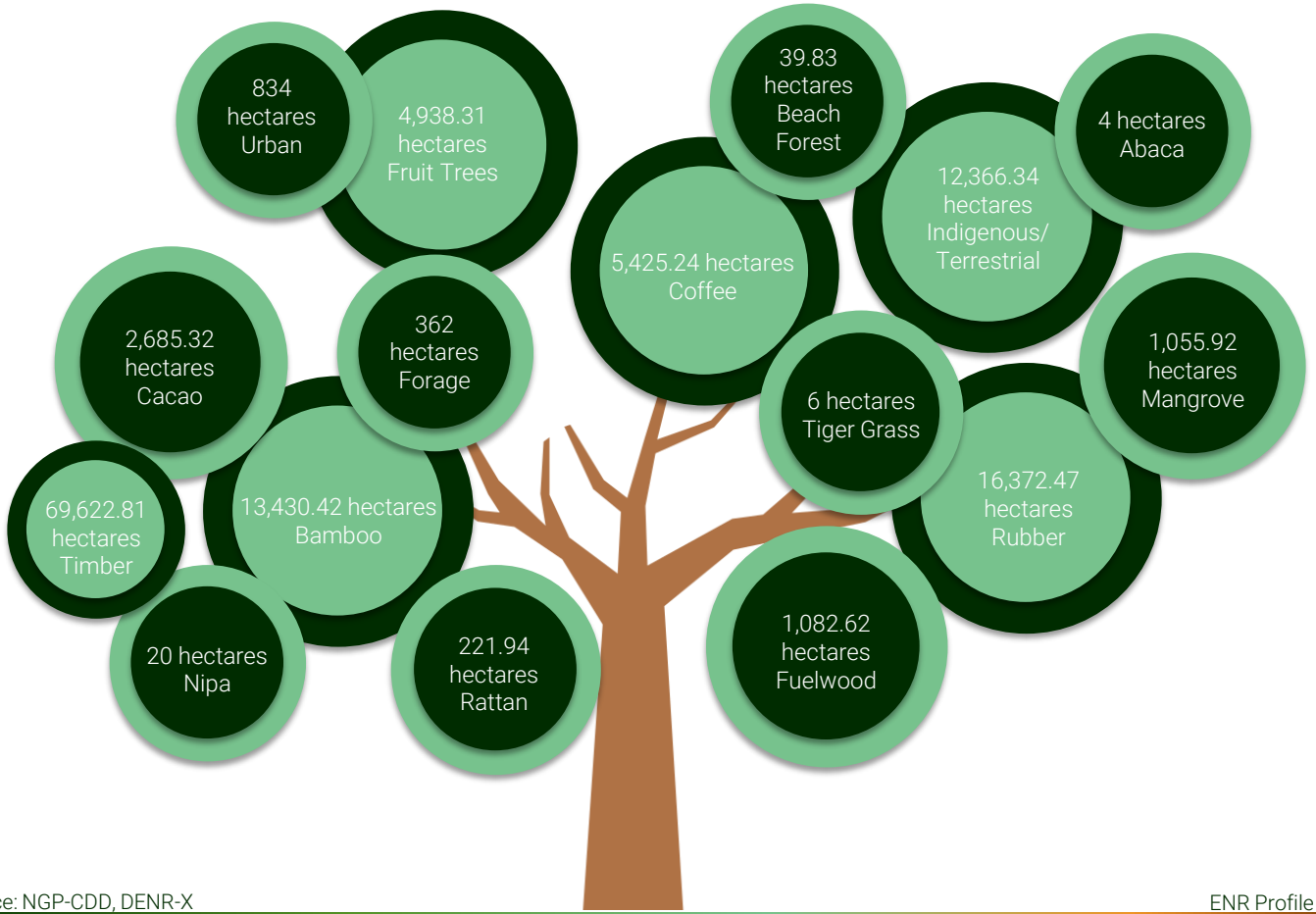
111,447,654

TOTAL SEEDLINGS PLANTED

Source: NGP-CDD, DENR-X

National Greening Program

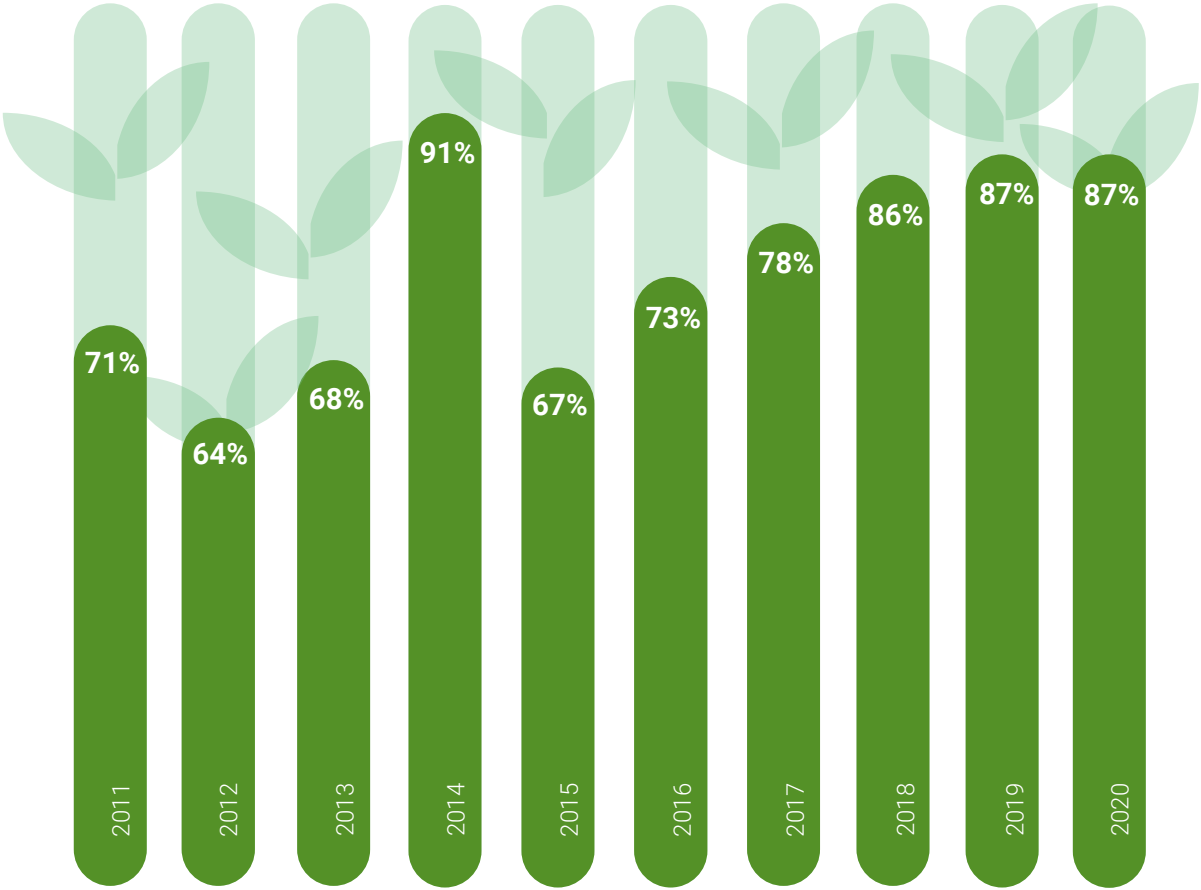
Planted Commodities (ha)



Source: NGP-CDD, DENR-X

National Greening Program

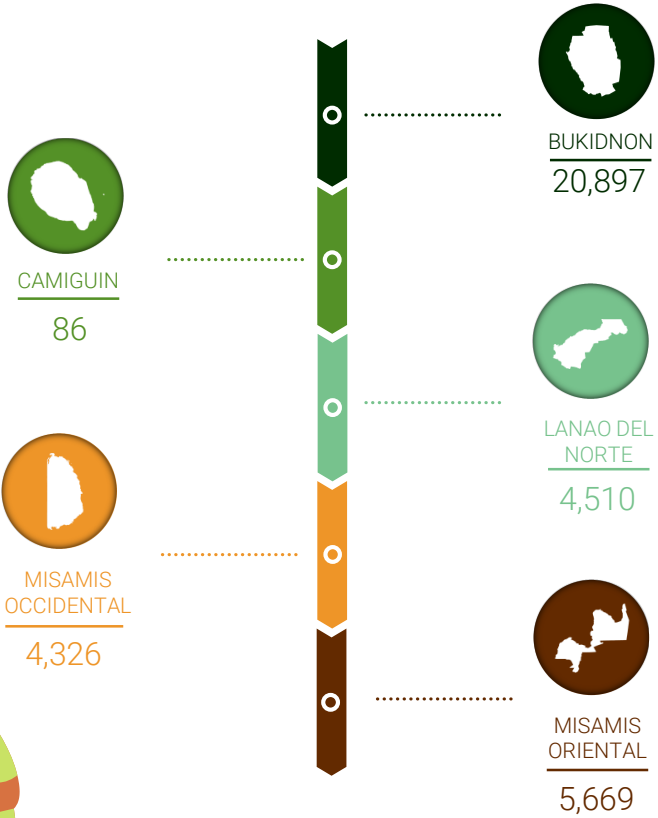
Survival Rate (%)



Source: NGP-CDD, DENR-X

National Greening Program

Beneficiaries (CY 2011-2021)



Caves

By Province

Class I: Caves with delicate and fragile geological formations, threatened species, archeological and paleontological values, and extremely hazardous conditions. Allowable activities are limited to mapping, photography, education, and scientific purposes, and are closed to ecotourism activities.

Class II. Caves with areas or portions which have hazardous conditions and contain sensitive geological, archeological, cultural, historical, and biological values or high-quality ecosystems. It may be necessary to close sections of these caves seasonally or permanently. It is open to experienced cavers or guided educational tours/visits.

Class III. Caves with no known threatened species and archeological, geological, natural history, cultural and historical values. It is safe to inexperienced visitors but should still be accompanied by cave guide/s. The caves may also be utilized, when appropriate, for other economic purposes such as guano extraction and edible birds nest collection.

45

BUKIDNON

(6) Class II Category

(4) Caves with Management Plan

19

LANAO DEL NORTE

(4) Class II Category

(2) Caves with Management Plan

43

MISAMIS ORIENTAL

(1) Class I Category

(6) Class II Category

(1) Class III Category

(3) Caves with Management Plan

8

CAMIGUIN

2

MISAMIS OCCIDENTAL

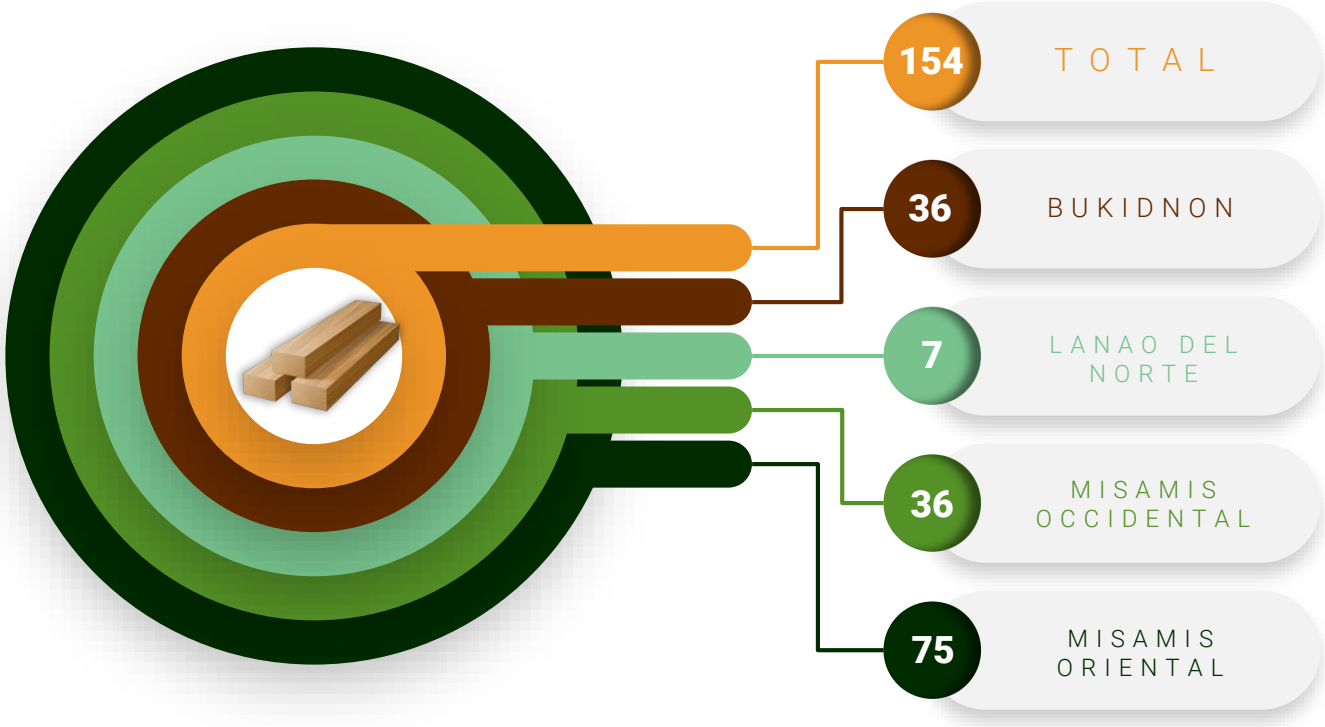
116

CAVES IN REGION X

Source: PAMBCS-CDD, DENR-X

Wood Processing Plant

By Province



Source: LPDD, DENR-X

CWR/WFP Monitored

By Year

83
CY 2015

9
CY 2016

17
CY 2017

52
CY 2018

75
CY 2016

76
CY 2020

94
CY 2021

Source: Enforcement Division

Residential & Agricultural Patents

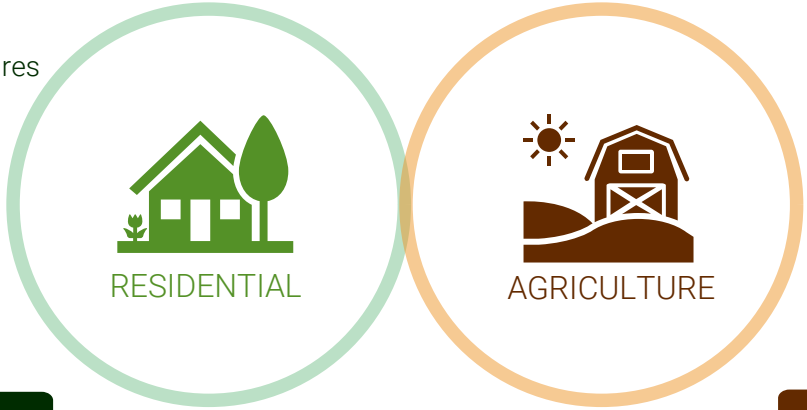
2011-2021

Patents Processed

34,239 lots
672.0311 hectares

Patents Processed

22,075 lots
25,989.0898 hectares



Patents Issued

33,874 lots
717.4388 hectares

Patents Issued

22,104 lots
25,603.6975 hectares

Source: Planning and Management Division

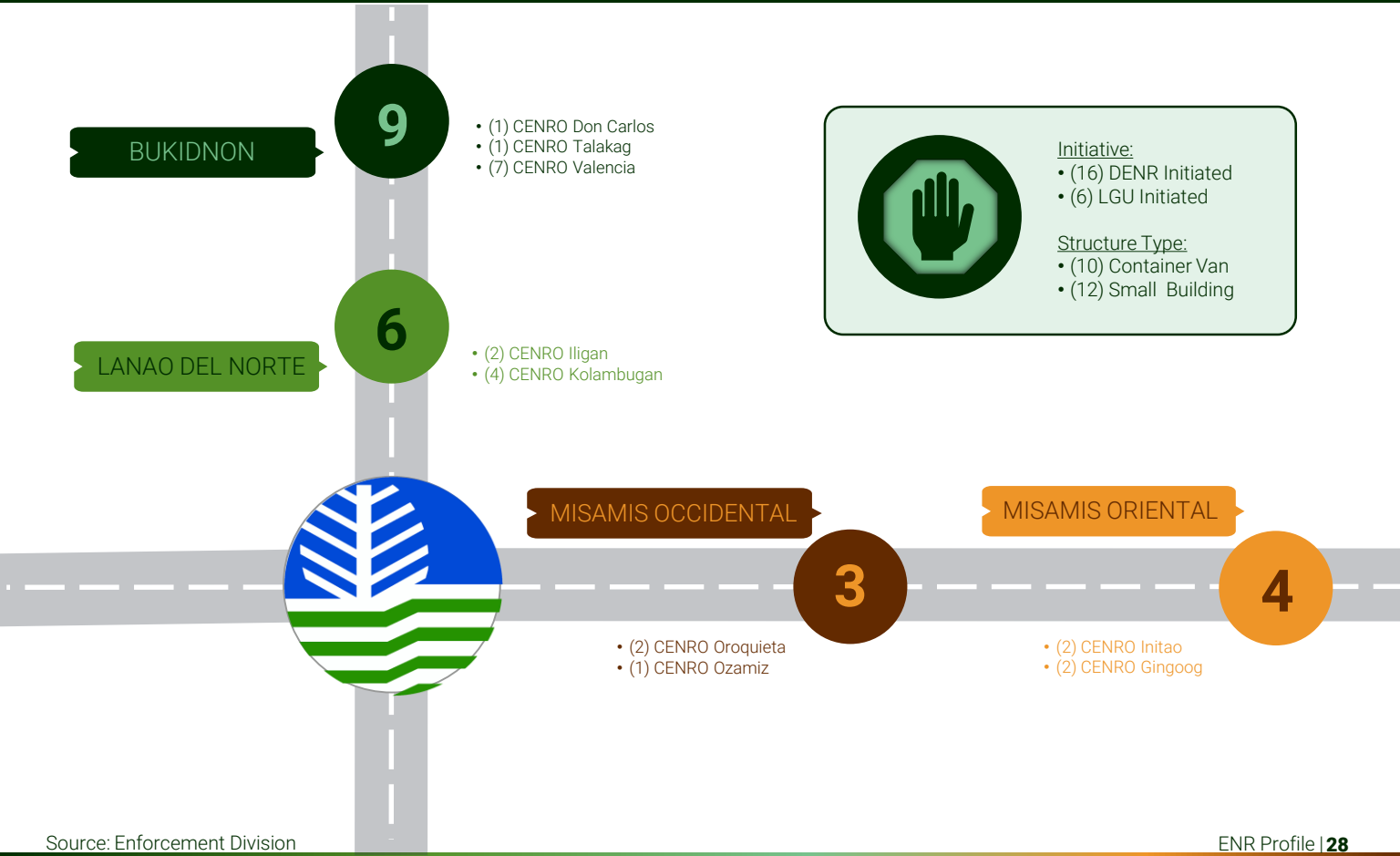
Special & Miscellaneous Patents

MISCELLANEOUS	SPECIAL
PATENTS ISSUED **56 lots**	PATENTS ISSUED **534 lots**
LOT **15.6764 hectares**	LOT **77.8895 hectares**

Source: Planning and Management Division

ENR Monitoring Stations

By CENRO



Initiative:
- (16) DENR Initiated
- (6) LGU Initiated

Structure Type:
- (10) Container Van
- (12) Small Building

Source: Enforcement Division

Forest Protections Officers & Forest Guards

1,014

Total Number of Forest Protection Officers & Forest Guards

2017

119

- (1) Regional Office
- (42) Bukidnon
- (5) Camiguin
- (18) Lanao del Norte
- (33) Misamis Occidental
- (20) Misamis Oriental

2018

134

- (1) Regional Office
- (47) Bukidnon
- (6) Camiguin
- (26) Lanao del Norte
- (25) Misamis Occidental
- (29) Misamis Oriental

2019

458

- (1) Regional Office
- (212) Bukidnon
- (54) Camiguin
- (27) Lanao del Norte
- (55) Misamis Occidental
- (109) Misamis Oriental

2020

195

- (105) Bukidnon
- (15) Lanao del Norte
- (15) Misamis Occidental
- (60) Misamis Oriental

2021

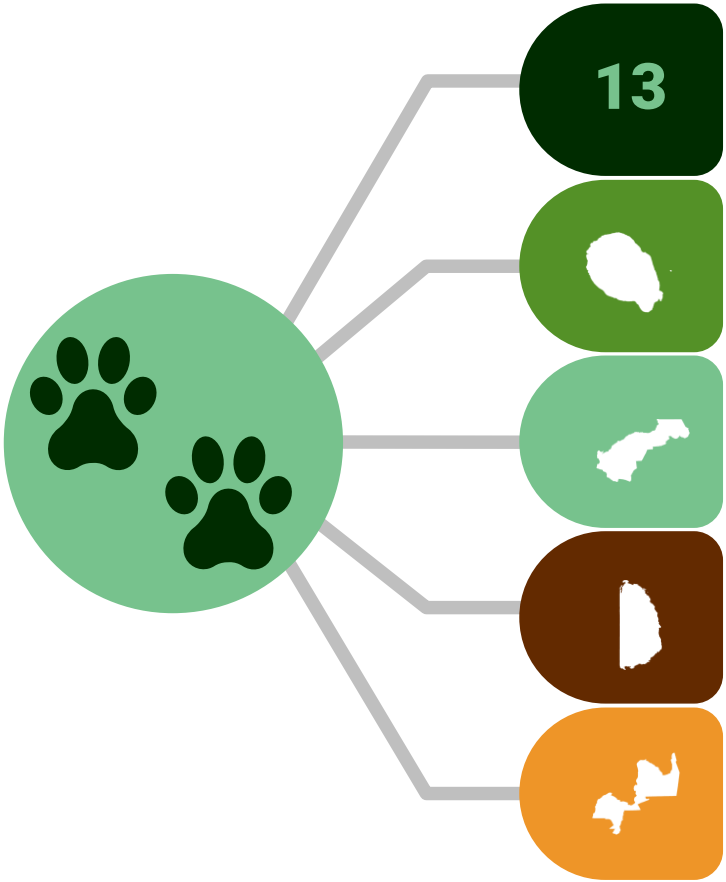
108

- (55) Bukidnon
- (1) Camiguin
- (15) Lanao del Norte
- (19) Misamis Occidental
- (18) Misamis Oriental

Source: Enforcement Division

Wildlife Traffic Monitoring Unit

By Province



3 Airport
10 Seaport

- Camiguin Airport
- Balbagon Seaport
- Benoni Seaport
- Guinsiliban Seaport

- Iligan City Seaport
- Mukas Port

- Ozamiz City Airport
- Ozamiz City Seaport
- Plaridel Seaport

- Laguindingan Airport
- Tagoloan Seaport
- Cagayan de Oro Seaport
- Balingoan Seaport

Source: Enforcement Division