

National Greening Program

Ricardo L. Calderon, CESO III

Director, Forest Management Bureau
National Coordinator, National Greening Program



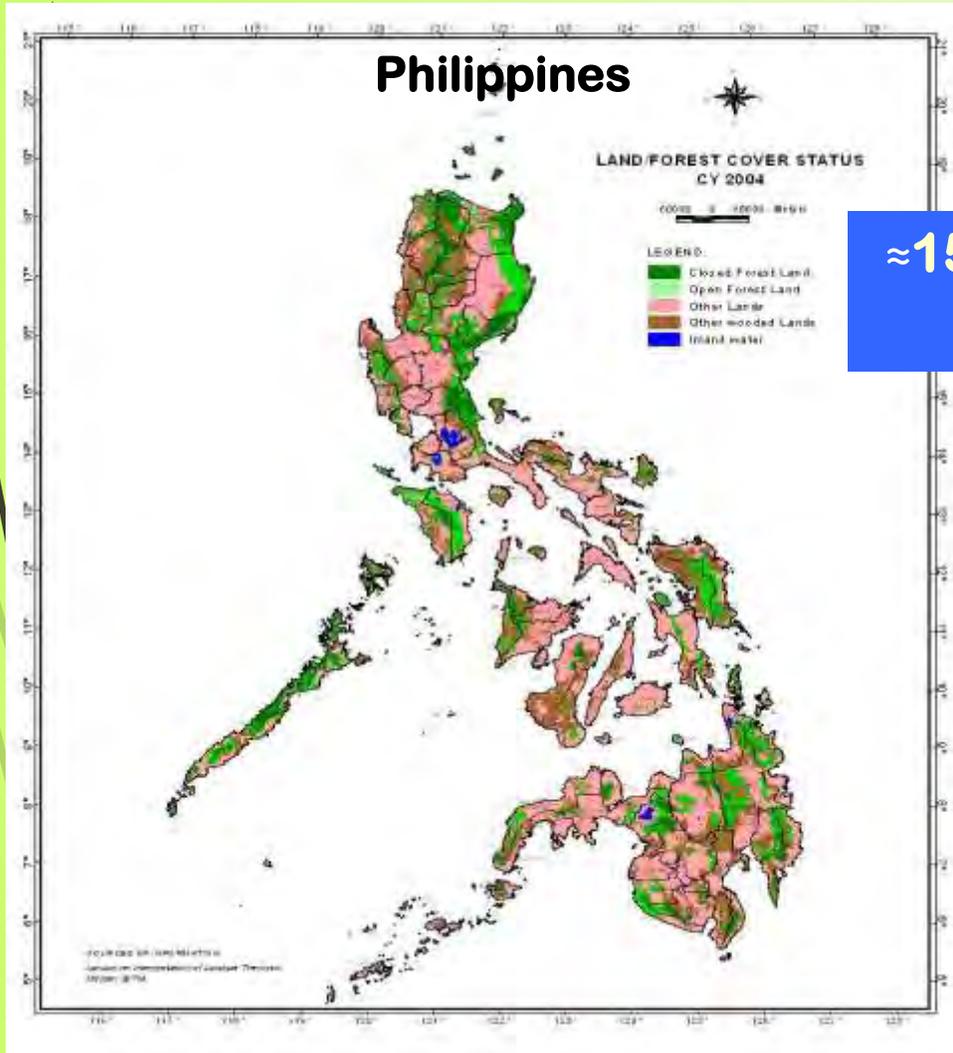
APFW Stream 4 – “New Institutions ,New Governance” Raising Standards: Building for Cross- Sectoral Investments in Forests, Climate Change, and Livelihoods, February 24, 2016, at Mahogany Room, Holiday Inn



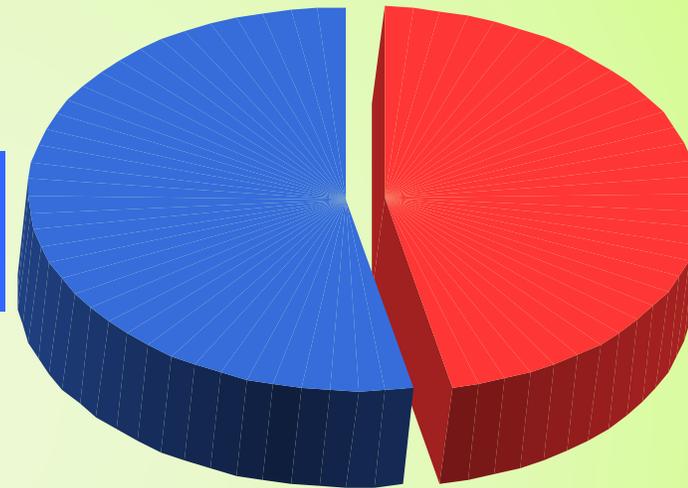
STATE OF THE FOREST



LAND CLASSIFICATION



≈15,868,412 ha
(53%)



≈14,017,988 ha
(47%)

Alienable and Disposable
Forestland/Timberland

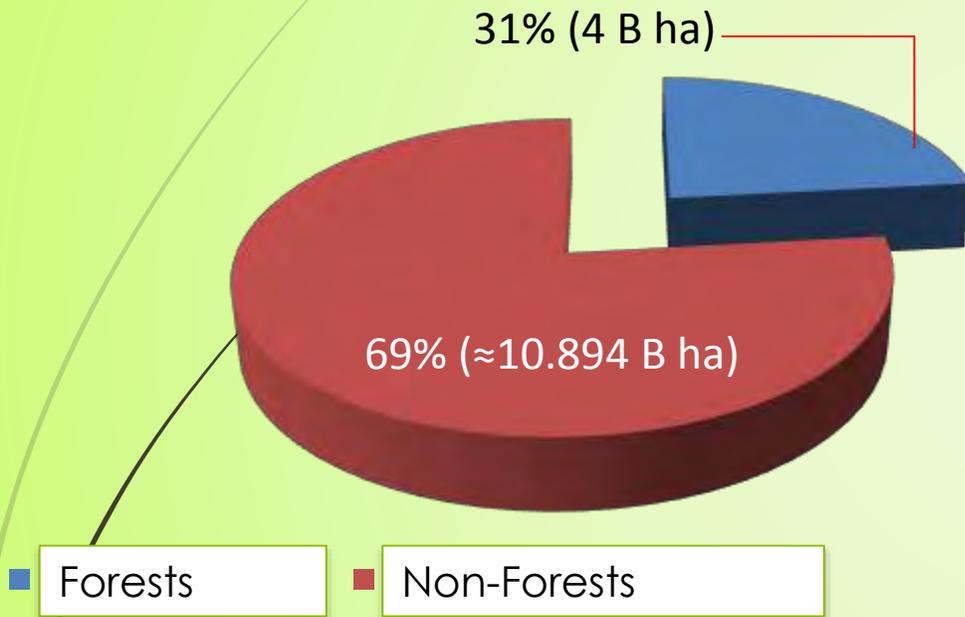
- Forestland/Timberland
- Alienable & Disposable Land

Total Area - 29,940,400 hectares*

*Based on NAMRIA data

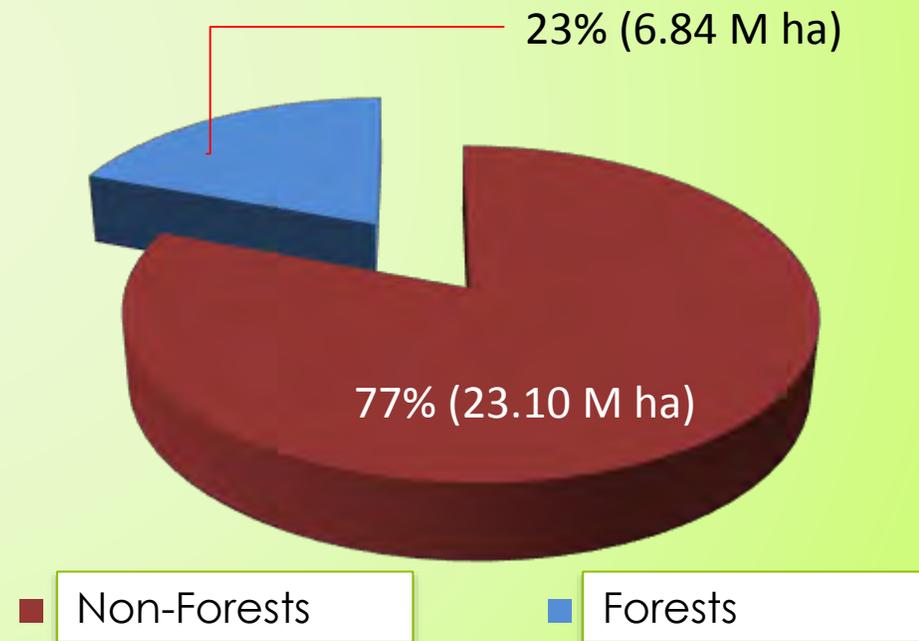
FOREST COVER

World's Forest Cover (FRA 2010, FAO)



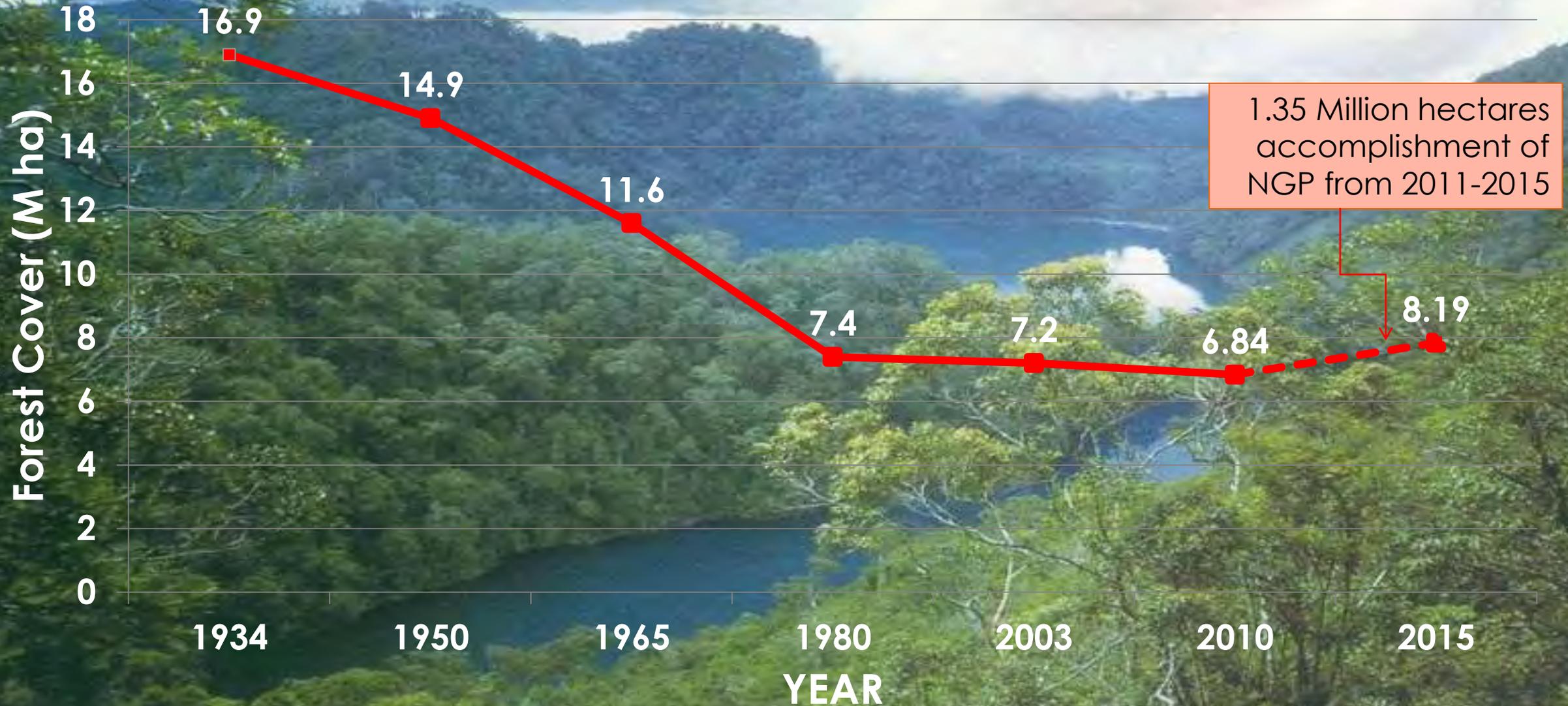
World Area –14.894 Billion hectares

Philippines' Forest Cover (2010, NAMRIA)



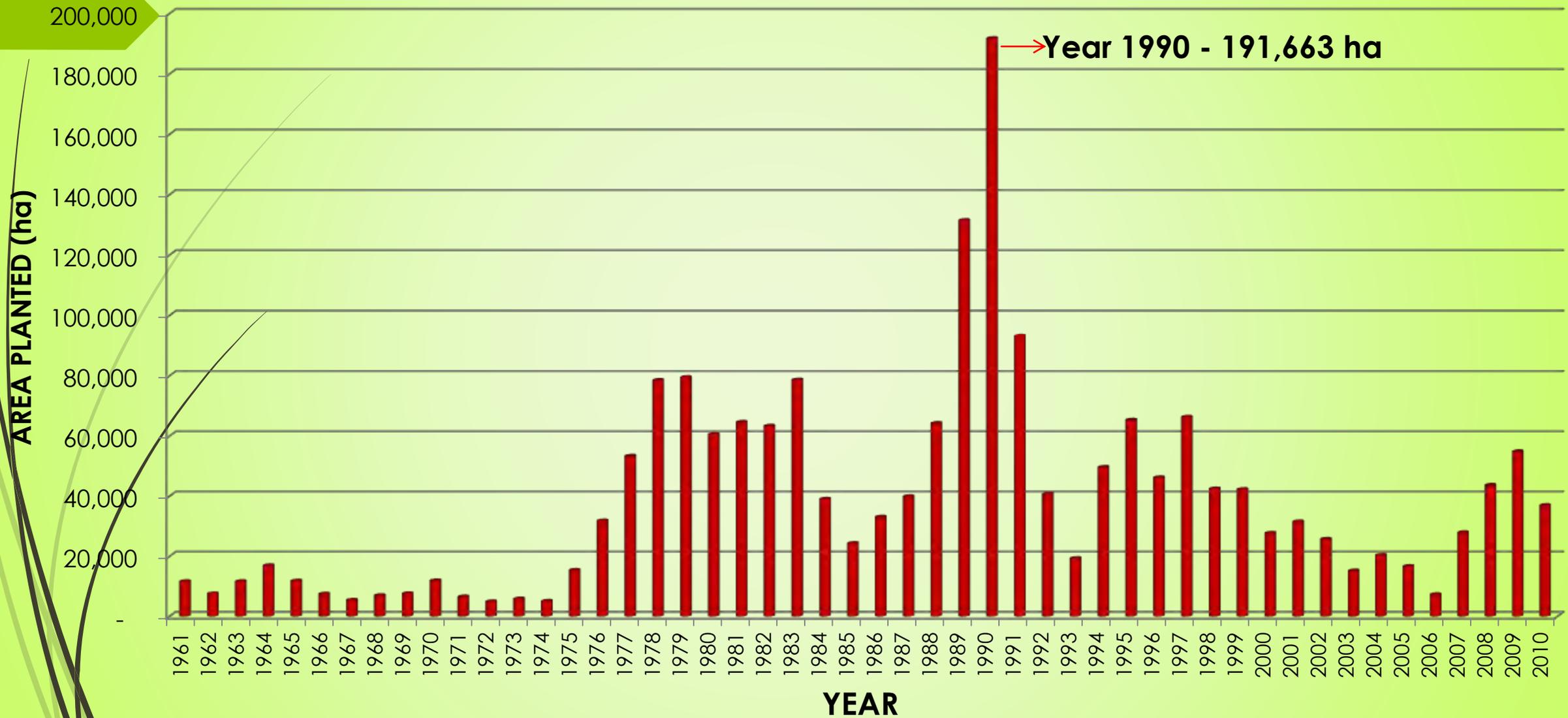
Philippine Area – 29,940,400 hectares

Forest cover trends in the Philippines



□ Forest cover decreased by 328,682 ha i.e. from 7,168,400 ha in 2003 to 6,839,718 ha in 2010 or an ANNUAL FOREST COVER LOSS of 46,954 ha.

Annual Reforestation Data from 1960-2010 (50 years)



□ The total area reforested in the past 50 years (1961-2010) is only 1,939,749 hectares or an annual average of 38,795 hectares

NATIONAL GREENING PROGRAM



NGP RATIONALE: The Areas

At an average of 38,000 hectares reforestation accomplishment per year...

...it would take 210 years to reforest/rehabilitate the 8 M hectares of unproductive, open, denuded or degraded areas



NATIONAL GREENING PROGRAM



Coverage

The National Greening Program shall plant some 1.5 Billion trees covering about 1.5 Million hectares for a period of six (6) years from 2011 to 2016.



NGP AREAS FOR DEVELOPMENT



- **Open, Degraded & Denuded Forestlands**
- **Protected Areas and Mangrove**



NGP AREAS FOR DEVELOPMENT



- Ancestral domains



- Civil and military reservations



NGP AREAS FOR DEVELOPMENT



- Urban areas under the greening plan of LGUs



- Inactive and abandoned mine sites



Claver, Surigao del Norte



Zamboanga del Sur

NATIONAL GREENING PROGRAM



NGP: MORE THAN REFORESTATION

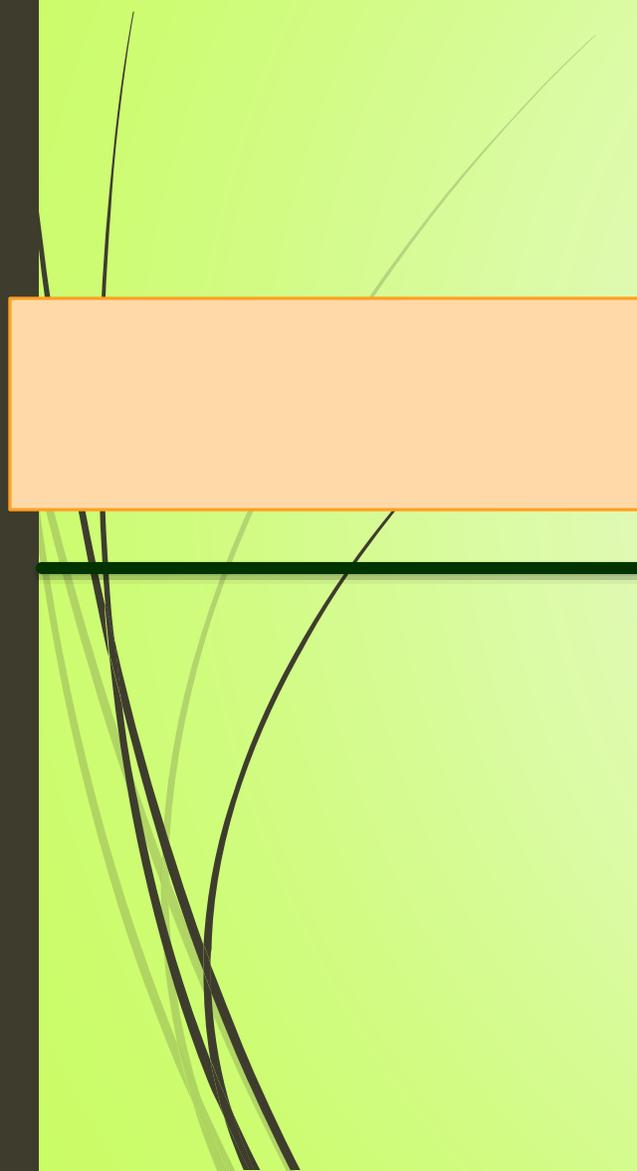
OUR MISSION

- Poverty Reduction
- Food Security
- Environmental Stability
- Biodiversity Conservation
- Climate Change Mitigation & Adaptation

Bringing together agencies, efforts, people:

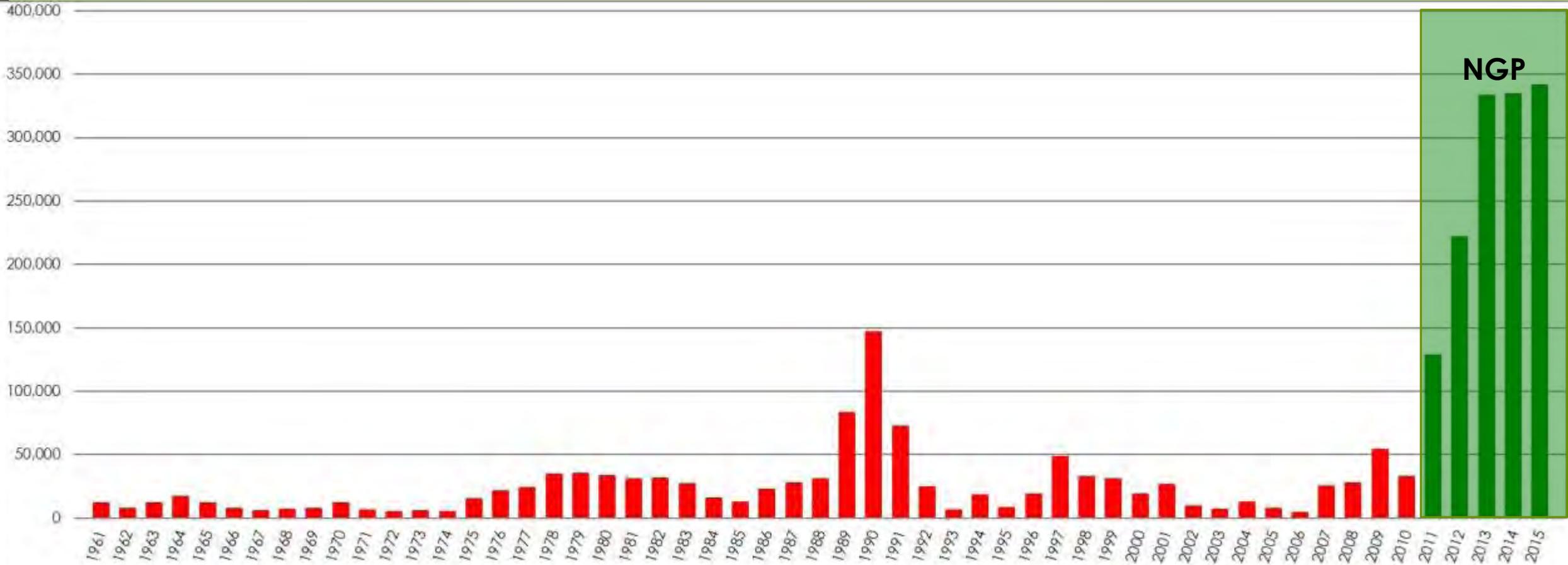


Convergence Works.



NGP MILESTONES

NGP Accomplishment from Year 2011 to 2015



□ The total area reforested in the past 50 years (1961-2010) by the DENR is only 1,193,927 hectares or an annual average of 23,879 hectares. From 2011 to 2015, NGP has planted 1,352,147 hectares out of the 1,200,000 hectares target or 113% accomplishment



Coffee Plantation - Sanchez Mira, Cagayan



Mangrove plantation - Camarines Sur



Tree plantation - Antipolo City, Rizal

Jobs Generated from CY 2011-2015 as contribution to inclusive growth

Major Program/ Project	Performance Indicator	2011	2012	2013	2014	2015	Total
National Greening Program	Jobs generated (no.)	335,078	380,696	466,990	1,079,792	795,628	3,058,184
	Persons employed	47,868	55,146	65,198	152,008	112,288	432,508



Bagging Mt. Malindang, Misamis Occidental



Nursery operations in Banban Ayungon, Negros Oriental

Partnership with Peoples' Organizations



Massive involvement of various stakeholders





GOOD GOVERNANCE

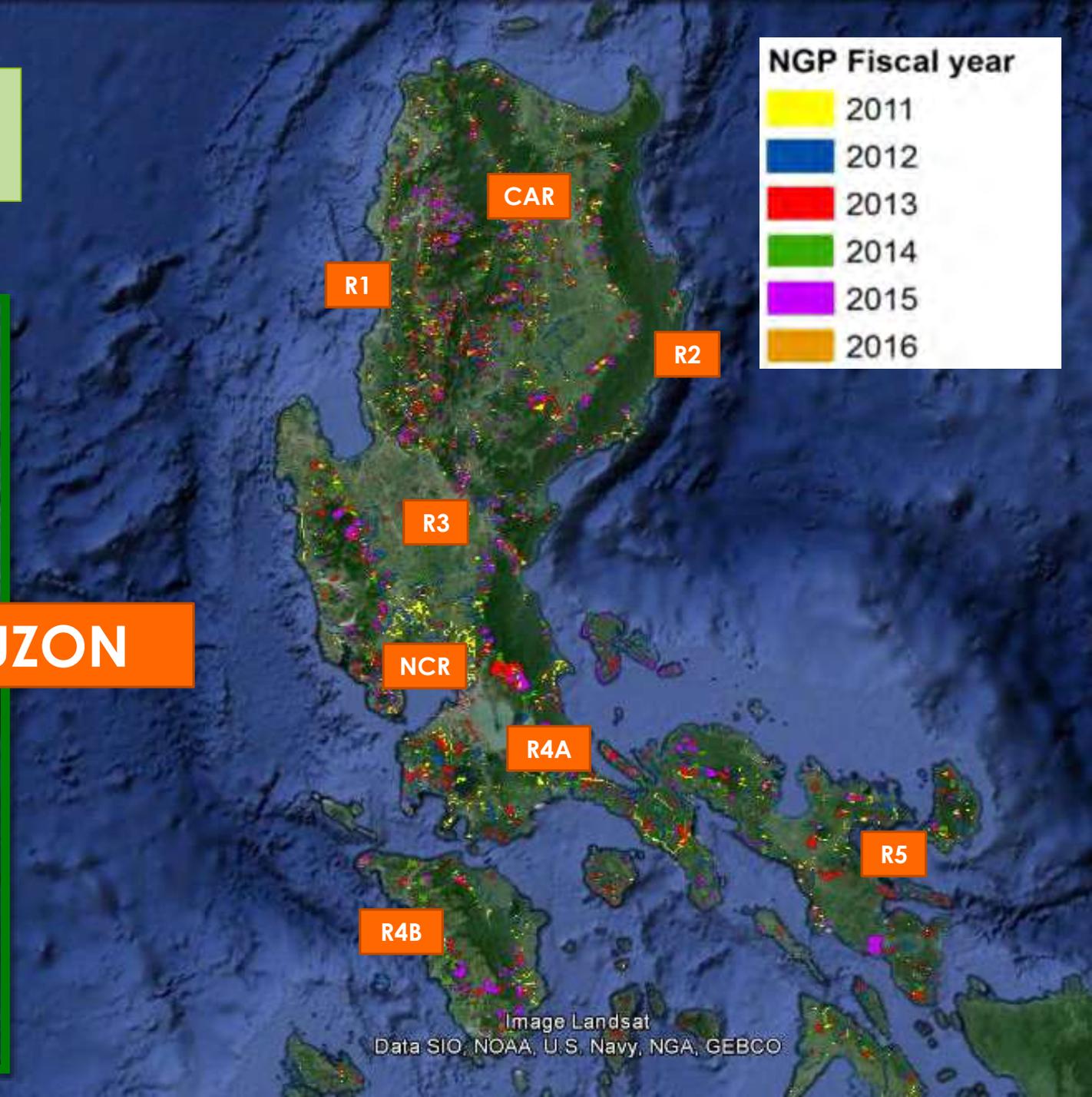
MEASURES FOR NGP

NATIONAL GREENING PROGRAM

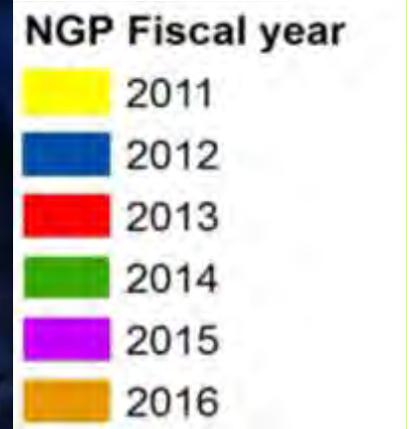
1. Compliant with procurement law



2. GIS/GPS Mapping and Site Validation of NGP target area



VISAYAS



R6

R8

R7

MINDANAO

NGP Fiscal year



R9

R10

R13

R11

R12

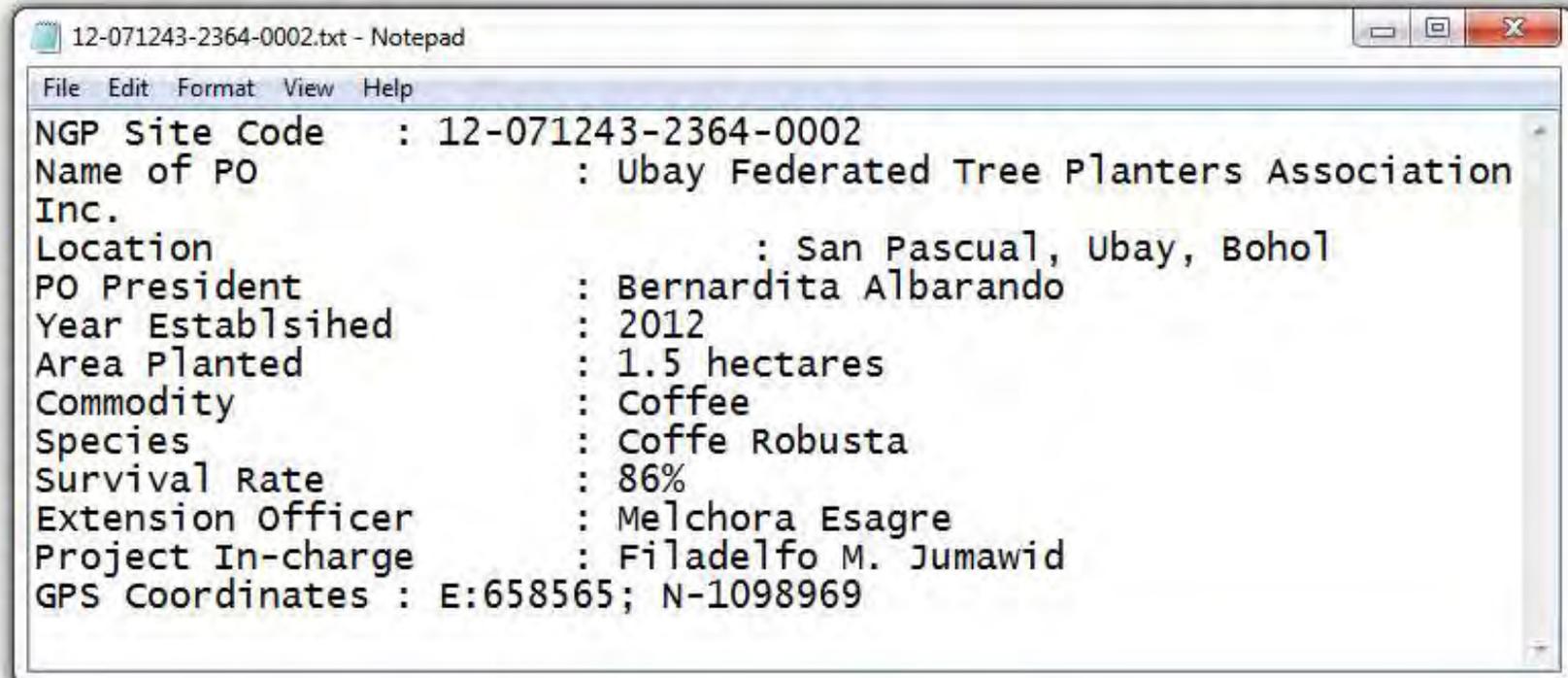
Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

NATIONAL GREENING PROGRAM

3. ALL PROGRAM SITES GEO-TAGGED WITH GEOGRAPHICAL COORDINATES AND TIME STAMP



Geo-tagged photo taken using GEOCAM



NATIONAL GREENING PROGRAM

4. WEB BASED ACCESS TO NGP CODED MAPS AND GEOTAGGED PHOTOS



www.ngp.denr.gov.ph

SAMPLE SITES

11-074602-0722-0008

Ayungon, Negros
Oriental

11-071242-0015-0004

Calape Bohol

Site Profile

National Greening Program
1.5 billion trees covering 1.5 million hectares for a period of six years from 2011 to 2016

HOME ABOUT NGP PLANTING SITES REFERENCE MATERIALS REPORTS GALLERY NEWS CONTACT US

LGU Uyugan

Site ID:	11-020900-0028-003
Address:	Imnabun, Uyugan, Batanes
Area in hectares:	3.11 Has
Commodity/Species Planted:	Bitag
Year Planted:	2011
NGP Partner Beneficiaries:	LGU Uyugan

Photos

View in Google Earth

Image © 2013 DigitalGlobe
© 2013 Google
© 2013 Kingway Ltd.
Image Landsat

Installed Plugin Version: 7.0.0.8642

LEGEND
• Geo-tagged photo
• 2011 Planting site

NATIONAL GREENING PROGRAM

5. Map coding of all NGP Sites in accordance to PSGC accessible through the NGP Website (www.ngp.denr.gov.ph)

NGP CODE FORMAT



CODE	CODE NAME	DESCRIPTION
YY	Year	code based on the last two digit numbers of the year when the NGP plantation was established
RRPPCC	Responsible DENR Field Office	code based on the Philippine Standard Geographic Code (PSGC)* for each DENR Field Office responsible for the site
NNNN	Planting Site Number	code based on assigned numeral by continuously numbering all NGP Plantation Sites established for the specific year per Region
AAAA	Area	code based on the area of the NGP Planting Site in hectares rounded off to the nearest ones

NGP PLANTING SITE CODING SYSTEM

Example:

12.4 hectares, NGP Plantation Site 342, established on June 6, 2011 in Jones, Isabela .

	YEAR	REGION	PENRO	CENRO	PLANTATION NUMBER	AREA
SITE DETAILS	2011	Cagayan Valley	Isabela	Jones is under CENRO San Isidro	342	12.4
SITE CODE	11	02	31	29	0342	0012

NGP PLANTATION SITE CODE

11-023129-0342-0012

NATIONAL GREENING PROGRAM

6. Submission of Certificate of Site Development duly signed by concerned field implementers

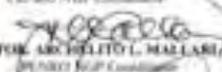
Republic of the Philippines
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Office of the Regional Director
No. 1 Lungsod Center St.

Region XI
National Greening Program
Certificate of Development
Site Code No.:
13-112403-0007-0134

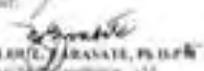
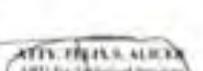
It is hereby certified that the NGP Site located at **BARANGAY MANAGA, Municipality of BANSALAN, Province of DAVAO DEL SUR** covering a total of **1.158 HECTARES**, and with geographic coordinates as partially reflected in geo-tagged photos shown herein, has been established and developed in partnership with **MANAGA COMMUNITY WATERWORKS AND SANITATION ASSOCIATION, INC.** since 2013.

It is further certified that the site which has been planted with **77,810 seedlings of Coffee** and **39,690 seedlings of White Lemon**, registered a survival rate of **87.83%** as of February 5, 2013.

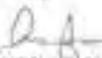
Attested:

 KAREL A. SAVELINO CEBRO NUP Coordinator	 HIGINIO P. GUARRA ERC, DENR Division Office
 FOR. ARNELITO L. MALLARI PUNRO NUP Coordinator	 FORTUNATO A. MENDOZA PUNRO-BUSCO Coordinator
 MICAELA C. DE ARAGON CE, DENR Office	

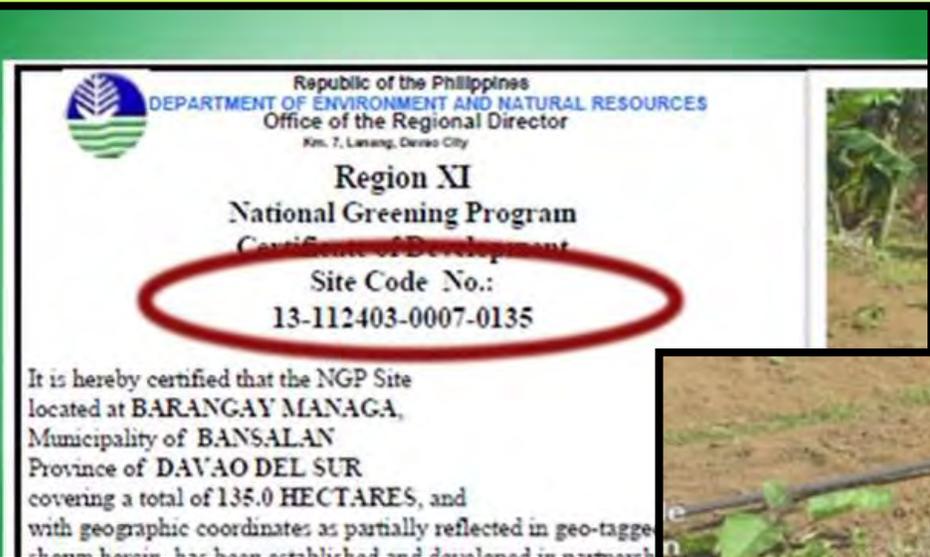
Certified Correct:

 FOR. MARIBEL P. MASATE, Ph.D. Regional NUP Coordinator	 ATTY. FRANK S. ALDEA ARD for Technical Services
---	---

Approved by:

 JORELIN MARCUS B. PRAGADA, CESO III Regional Director
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Site Code



Geographic Coordinates



Time Stamp

NATIONAL GREENING PROGRAM

7. Maximization of available Science and Technology

7.1 Mechanized and Modernized Forest Nurseries



NATIONAL GREENING PROGRAM

7. Maximization of available Science and Technology

7.2 Use of Organic / Microbial Fertilizer (Mycorrhiza Inoculants)



NATIONAL GREENING PROGRAM

7. Maximization of available Science and Technology

7.3 Cloning of Planting Materials

22 DENR-managed clonal nurseries

27 State Universities and Colleges



NATIONAL GREENING PROGRAM



KEY ELEMENTS FOR INVESTMENT IN FORESTRY

- **Political Will**
- **Convergence initiatives among government agencies**
- **Collaboration with other stakeholders**
- **Participatory and transparent governance**



Thank You!



FOREST MANAGEMENT BUREAU
Department of Environment and Natural Resources

Visayas Avenue, Diliman, Quezon City

Tel No. +632-928-9313, 927-4788

Website: <http://www.denr.gov.ph>, E-mail: web@denrgov.ph



Geo-tagged Actual Accomplishments



51 Q 264520 1865272

accuracy: 4m

2011 Benguet Pine Plantation
Poblacion, Mankayan, Benguet
Picture taken on Sept. 4, 2013

Altitude
1343 m

09/04/2013
9:39 AM



16.80201°N, 120.791°E
accuracy: 8m

Altitude
Suyoc, Mankayan, Benguet
2011 Benguet Pine Plantation

03/10/2014
12:18 PM



**Bado Dangwa, Tabuk City, Kalinga, CAR
2011 NGP Site**

51 Q 316076 1846228

accuracy: 16m

So. Mabalanti, Tupaya, Lamut, Ifugao, CAR
2014 NGP Site
Picture taken on Nov. 19, 2014

11/19/2014

2011 Mahogany plantation in Cabarsian,
San Fernando, La Union, R1



Picture taken on Feb. 24, 2013



Picture taken on Sep. 17, 2014



**2012 NGP Mangrove Plantation
Casantaan, Sto. Tomas, La Union (R1)**

17°14'7"N, 121°40'15"E

accuracy: 4m

2011 Teak Plantation (Timber)
Trinidad Mallig, Isabela, R2
Picture taken on Sept 18, 2013



Before



Altitude
162 m



09/18/2013
10:26 AM



2011 Mango Plantation
Pimentel-Dumanisi, Diffun, Quirino, R2
Picture taken on April 08, 2014

04.08.2015

18°33'21"N, 121°11'44"E

accuracy: 4m

2012 Coffee Plantation
So. Malukit, Sanchez Mira, Cagayan R2
Picture taken on Mar. 19, 2014

03/19/2014

2:27 PM

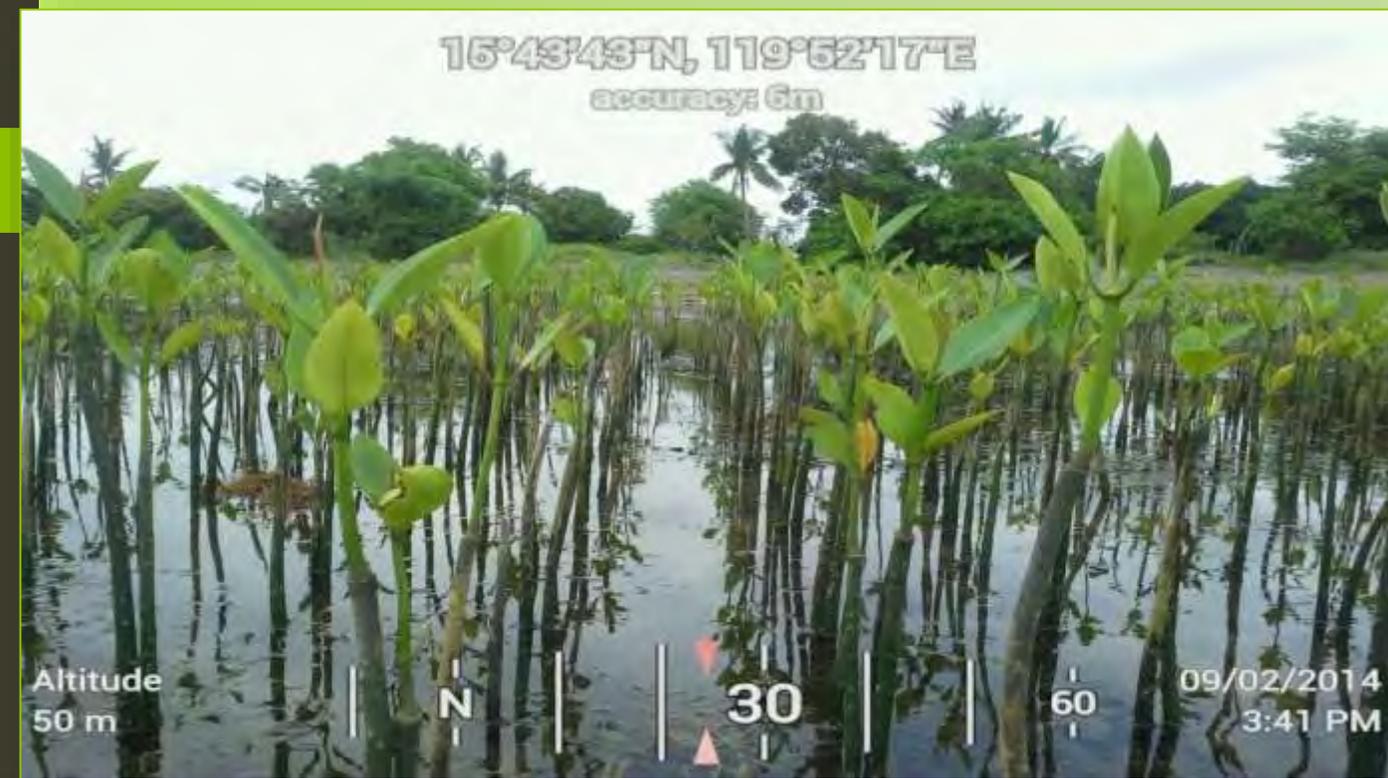
16°22'50"N, 121°22'51"E
accuracy: 6m



2013 Citrus Plantation
Binugawan, Kasibu, N.Vizcaya, R2
Picture taken in July 2014

15°43'43"N, 119°52'17"E

accuracy: 6m



Altitude
50 m



09/02/2014
3:41 PM

15°43'35"N, 119°52'25"E



15°43'34"N, 119°52'25"E

accuracy: 12m



Altitude
50 m



09/02/2014
3:52 PM



**2011 Mangrove Plantation
Sabang, Sta. Cruz, Zambales, R3
Picture taken on Sept 2, 2014**



2013 NGP Plantation
Rio Chico, General Tinio, N. Ecija, R3
Picture taken on Aug 28, 2014

2011 Magrove Plantation Brgy. Alitas,
Infanta, Quezon, R4A
Picture taken on June 18, 2015

51 P 356381 1625663
accuracy: 4m



Altitude 53 m 210 | 240 | W 06/18/2015 4:27 PM

This block contains the geotagging data for the main image. It includes altitude (53 m), coordinates (210, 240, W), date (06/18/2015), and time (4:27 PM). The data is presented with vertical bars and a central compass indicator.

51 P 272355 1599651

accuracy: 4m

San Rafael, Noveleta, Cavite
2011 Mangrove Plantation

Altitude
47 m

120

150

S

06/03/2015
3:00 PM



Portion of 2,430 Timber Plantation located at Brgy San Francisco, Tagkawayan, Quezon



**2012 Narra, Cashew, Banaba,
Lipote, Kupang, Palosapit,
Kalumpit, Alibangbang
Plantation
San Jose, Antipolo City, Rizal R4A**

NGP SITE CODE 12-045402-0368-0200

13°58'57"N, 122°39'32"E

accuracy: 8m

Alt
25

**Balik Probinsya Rubber Plantation, Brgy.
Maguibway Calauag, Quezon
Photo taken on Feb. 19, 2014**

W

19/02/2014
10:32 AM

8°50'18"N, 117°53'40"E

accuracy: 8m

2011 Mahogany Plantation
Brgy. Ipilan, Brook's Point, Palawan
Picture taken on Feb 25, 2014

02/25/2014

2:06 PM



**Claudio, Salgado, Sablayan Occ. Mindoro, R4B
2011 Mangrove Plantation**



**Camandag, Looc, Romblon, R4B
2012 Mangrove Plantation**

51 P 327723 1394337

accuracy: 6m

13°50'01"N 121°24'48"E
accuracy: 6m



2013 Planted with Narra and other timber species
So. Naalin, Tagytay, Cogon Lobong , Mansalay, Oriental Mindoro
Picture taken on May 21, 2014

05/21/2014

9:42 AM

8°35'27"N, 117°32'16"E

accuracy: 4m

2011 Mangrove Plantation
Brgy. Igang-igang, Brook's Point, Palawan, R4B
Picture taken on September 23, 2015

09/23/2014

10:51 AM

**2013 Mangrove Plantation
Brgy. Biga, Sta. Cruz, Marinduque
Picture taken on Oct. 16, 2014**



**Altitude
61 m**

**10/16/2014
12:32 PM**



Hauling of seedlings, Brgy. Harisson, Paluan, Occidental Mindoro

Picture taken in 2011



2011 Mangrove Plantation in Brgy. Tarahid, Panganiban, Catanduanes, Region V



Picture taken on May 11, 2014

13°37'26"N, 123°29'38"E
accuracy: 4m

2012 Mahogany Plantation
Talojongan, Tigaon, , Camarines Sur
Picture taken on Mar 3, 2014

03/03/2014
2:45 PM

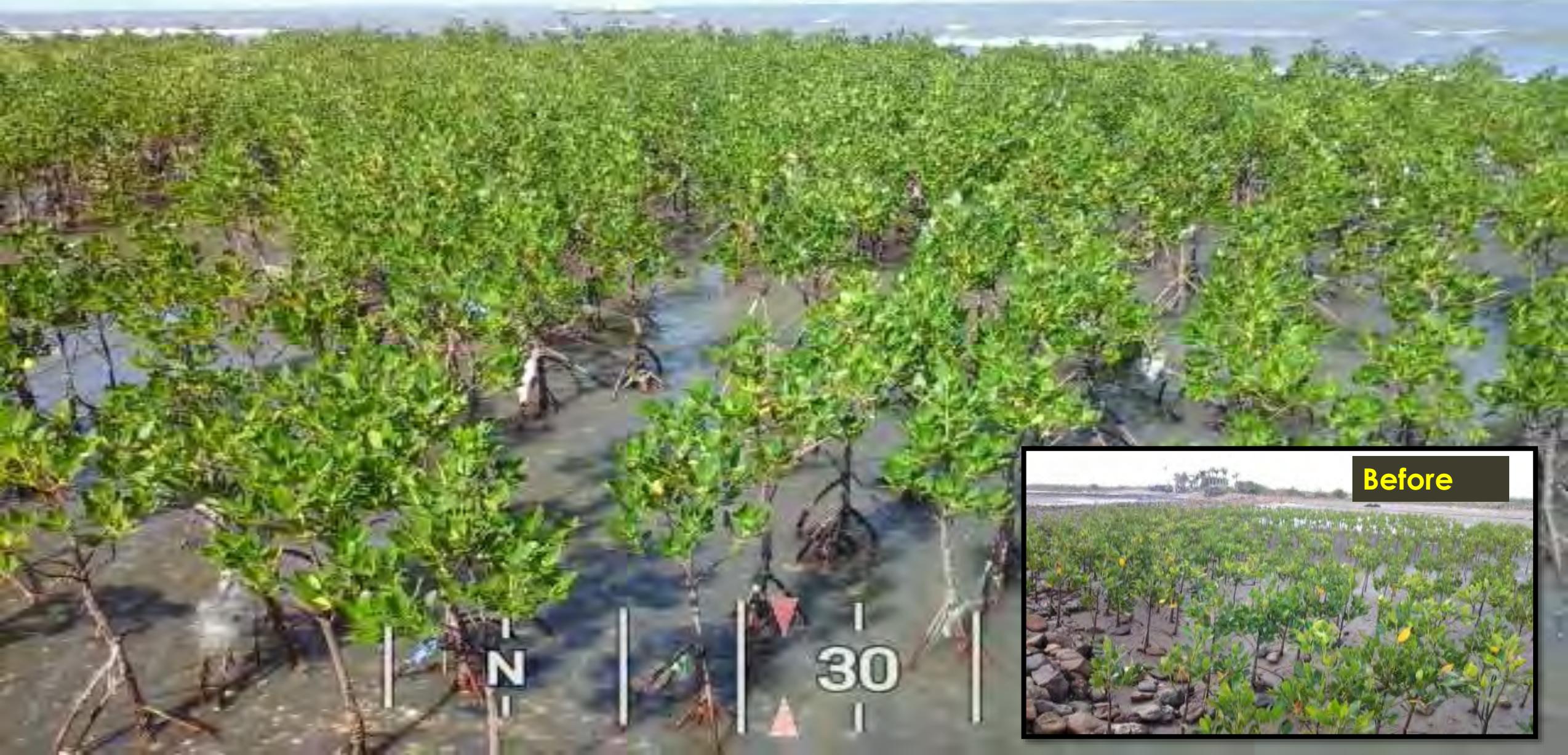
51 P 566542 1361874

accuracy: 5m

Brgy. Tugbo, Masbate , R5
Mahogany, Pili, Narra Plantation

10°53'56"N, 122°47'19"E
accuracy: 16ft

2011 Mangrove Plantation
Brgy. Talisay, Barotac Nuevo, Iloilo
Picture taken on Feb. 17, 2014



10°13'25"N, 122°50'26"E
accuracy: 16ft



2011 Mangrove Plantation Brgy. Canmoros,
Binalbagan, Negros Occidental
Picture taken on Nov. 25, 2013

210 25/11/2013
9:04 AM

2011 Mangrove Plantation
Brgy. Alimango, Escalante City, Negros Occidental
Picture taken on Mar. 5, 2014

123°31'55"E
ey: 33ft



03/05/2014
8:28 AM

51 P 383235 1311927
accuracy: 5m



9/18/2014
1:04 PM

51 P 388426 1310293
accuracy: 10m



8/29/2014
8:22 AM

**2013 NGP Plantations
Brgy. Naba-oy, Malay, Aklan
Pictures taken on Sept 18 and Aug 28, 2014**

Picture taken in September 2014



2011 Mangium Plantation in Banban, Ayungon, Negros Oriental, Region VII

Picture taken in 2011



51 P 588780 1132406
accuracy: 10m

Pascual, Ubay, Bohol

2012 Coffee Plantation
San Pascual, Ubay, Bohol
Picture taken on May 22, 2014

330

N

05/22/2014
11:23 AM

**2012 Mangium Plantation
Banban, Ayungon, Negros Oriental (R7)**



2012 Mangrove Plantation Banacon, Getafe, Bohol, R7



10°13'52"N, 124°13'20"E
accuracy: 48m

**2012 Mangrove Plantation
Banacon, Getafe, Bohol, R7**



**Altitude
67 m**

**04/08/2015
8:50 AM**

**2012 Mangrove Plantation
Banacon, Getafe, Bohol, R7**



**2013 Mangrove Plantation
Banacon, Getafe, Bohol, R7**



Photo credit: The Philippine Star

51 P 651051 1131027

accuracy: 16ft

2013 Mangrove Plantation
Cataban, Talibon, Bohol
Picture taken on Feb. 25, 2014

02/25/2014

09:15



**2013 Mangrove Plantation
Calituban, Talibon, Bohol**

**2011 Mangium Plantation
Brgy. Laboon Maasin City So. Leyte (R8)
Picture taken in Feb 2014**



10°16'0"N, 124°50'59"E
accuracy: 20ft

Mangrove planting activity in Tinago, Calbiga, Samar





**Mangrove planting
Zamboanga City**

**2011 Rubber Plantation
Sinoropan, Licombo, CENRO East PENRO Zamboanga City, R9**





**2012 Mangrove Plantation
Brgy. Concepcion, Kabasalan, Zamboanga Sibugay, R9**

51 N 697303 858965

Accuracy: 8m

2011 Coffee Plantation
Ninoy Aquino Kalilangan, Bukidnon, R10
Picture taken on Feb 23, 2014

Altitude
875 m



02/23/2014
9:17 AM



Before

**2012 Coffee Plantation
Brgy. San Vicente, Pangantucan , Bukidnon (R10)**

51 N 696302 862757
accuracy: 5m



Altitude
734 m

51 N 696290 862762
accuracy: 5m



7/8/2014
3:42 PM

Sitio San Vicente, Barandias, Pangantucan, Bukidnon (2011)
Kapunungan sa mga Mag-uuma sa Kabukiran Association (KASAMAKA)

51 N 696262 862726
accuracy: 6m



04/10/2015
2:47 PM



Altitude
816 m

Net income per year : 1.288 M

7.49235°N, 124.96595°E
accuracy: 8m

2011 Rubber and Falcata Plantation
Old Damulog, Damulog, Bukidnon, R10
Picture taken on Jul. 27, 2014

07/27/2014
09:32

60

51 N 71 7162 823391
accuracy: 12m



51 N 71 7187 823381
accuracy: 16m

Ready for Tapping

04/11/2015
9:47 AM

2012 Rubber Plantation
Lagandang Damulog Bukidnon, R10
Picture taken on April 11, 2015

51 P 757249 886827

accuracy: 5m

2011 Brazilian Fire tree Plantation
Paradise, Cabanglasan, Bukidnon, R10
Picture taken on July 3, 2014

330

03/07/2014

11:04 AM

51 N 758295 882091

accuracy: 10m

**2011 Brazilian Fire tree Plantation
Nakabuklad, San Fernando, Bukidnon, R10
Picture taken in May 2014**



7.98182°N, 125.32153°E
accuracy: 16m

**2011 Brazilian Fire tree Plantation
Tugop, San Fernando, Bukidnon, R10
Picture taken in April 10, 2014**

**04/10/2015
9:23 AM**

7.9819°N, 125.32156°E
accuracy: 12m

**2011 Brazilian Fire tree Plantation
Tugop, San Fernando, Bukidnon, R10
Picture taken in April 10, 2014**

**04/10/2015
9:24 AM**





**2012 Falcata Plantation
Digkilaan, Manticao, Misamis Oriental, R10**

7°33'51"N, 125°33'7"E
accuracy: 6m

2011 Rubber tree plantation
Magwawa, Sto. Tomas, Davao del Norte
Picture taken on Sept. 9, 2014



09/03/2014
9:03 AM

6°28'18"N, 125°26'13"E

accuracy: 13ft

2012 Cacao and Rubber Plantation Sta.
Maria, San Antonio, R11

6°13'24"N, 125°39'2"E
accuracy: 8m

2011 Mahogany Plantation
Nueva Villa, Don Marcelino, Davao del Sur, R11
Picture taken on Jan 29, 2014

50 S

01/29/2014
3:44 PM

NGP: Planting Davao City

TreeVolution



Mangrove Plantations
established in Labangan,
Sta. Cruz, Davao del Sur



7°16'53"N, 125°1'26"E
accuracy: 6m

2011 Rubber tree plantation
New Pontevedra, Antipas, Region 12
Picture taken on July 23, 2014



7°16'53"N, 125°1'26"E
accuracy: 4m

Picture taken on Feb 23, 2014

7°14'17"N, 125°9'26"E
accuracy: 6m

2011 Coffee Plantation
Mahongkog, Magpet, Region 12
Picture taken on Sept. 4, 2014



51 N 678703 710679

accuracy: 12m

2011 Narra, Rubber & Mahogany Plantation
Bai Saripinang, Bagumbayan, Sultan Kudarat
Picture taken on Mar 4, 2014

210

24

03/04/2014

10:39 AM

2011 Rubber tree plantation
Kimarayag, Pigcawayan, Cotabato, R12
Picture taken on Feb 22, 2014

19°47'N, 124°28'53"E
accuracy: 3m

Altitude
352 m

W

300

02/22/2014
9:23 AM

7°26'7"N, 125°6'48"E
accuracy: 13ft



2012 Rubber tree plantation
Kabalantian, Arakan, Cotabato, R12
Picture taken on Sept. 15, 2013



09/15/2013
1:45 PM



**2011 Mangrove Plantation
Panubigon, Surigao City, Surigao del Norte, R13
Picture taken on Sept 12, 2013**

09/12/2013

9:20 AM

2011 Mangrove Plantation
Lipata, Surigao City, Surigao del Norte
Picture taken on Aug. 26, 2014

8°12'N, 125°27'25"E
accuracy: 5m



26/02/2014
2:41 PM

8°52'5"N, 125°29'35"E
accuracy: 5m

Altitude

357 m

2011 Falcata Plantation
Nongnong, Butuan City, Agusan del Norte, R13
Picture taken on Mar 12, 2014

03/12/2014

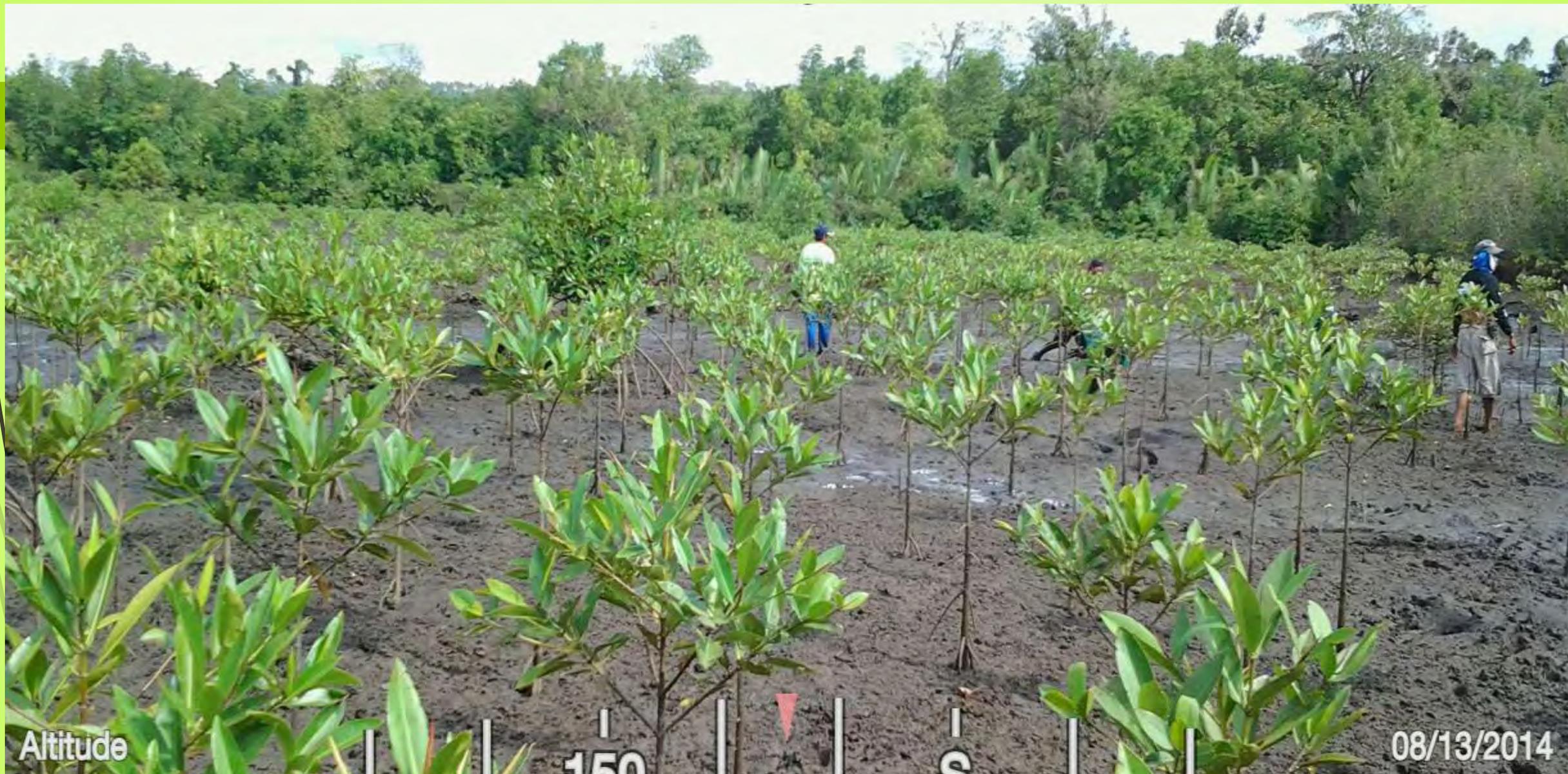
11:44 AM

8°41'28"N, 125°52'27"E
accuracy: 6m

2011 Falcata Plantation
Sta. Irene, Prosperidad, Agusan del Sur, R13
Picture taken on Dec 6, 2013

12/06/2013

3:26 PM



Altitude

150

08/13/2014

**2012 Mangrove Plantation
San Juan, Hinatuan, Surigao del Sur, R13
Picture taken on Aug 13, 2014**

Thank You!



FOREST MANAGEMENT BUREAU
Department of Environment and Natural Resources

Visayas Avenue, Diliman, Quezon City

Tel No. +632-928-9313, 927-4788

Website: <http://www.denr.gov.ph>, E-mail: web@denrgov.ph