



**DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES**

STATE OF THE ENVIRONMENT

**APRIL 21, 2015
EARTH DAY**



REPUBLIKA NG PILIPINAS
KAGAWARAN NG KAPALIG
AT UKAS NA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES



Salikata National Park, Lanao del Sur



Tubтатаha Reefs Natural Park





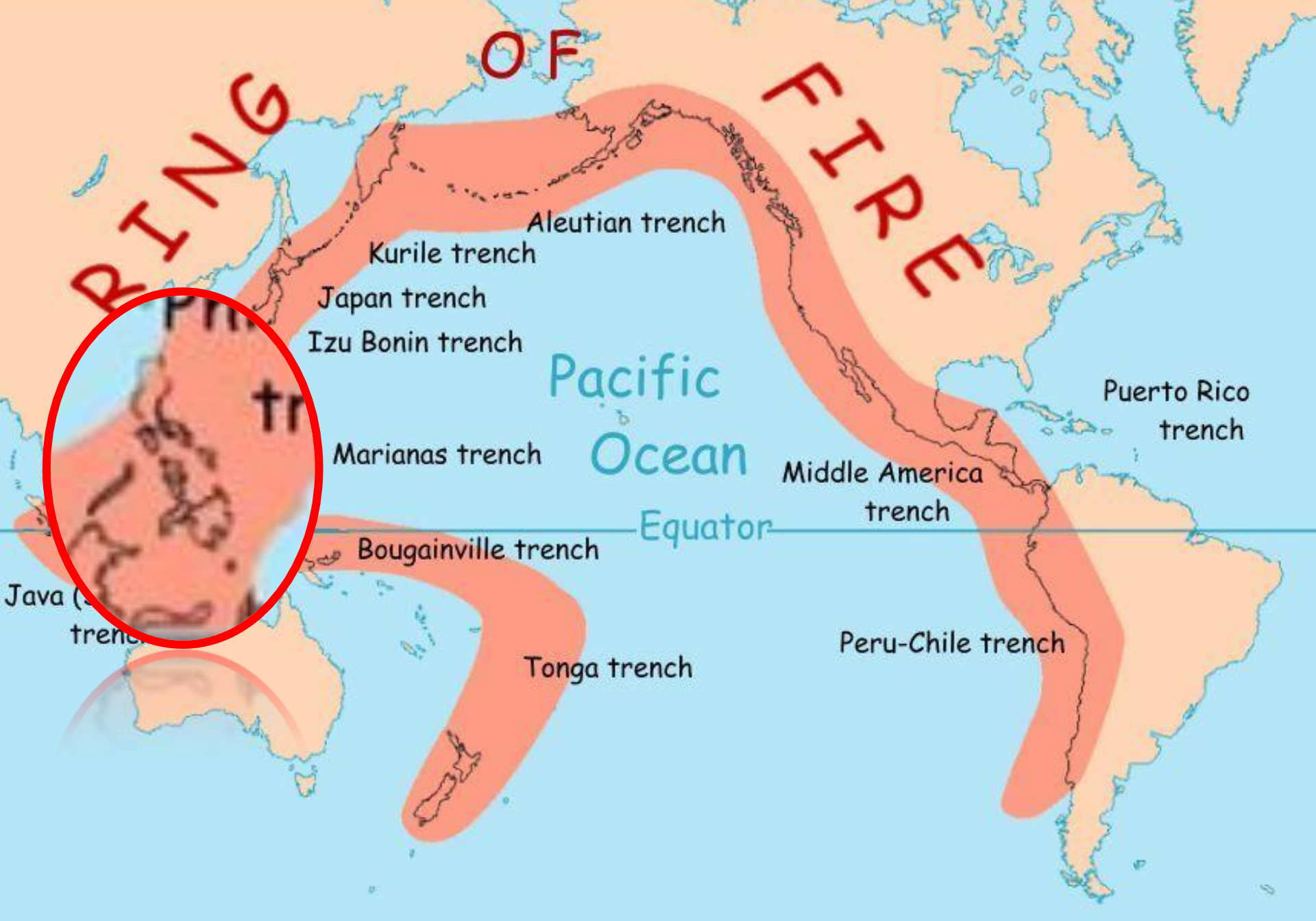




Photo credits: <http://www.ideadeaf.org>



REFORESTATION

THE PHILIPPINES' VERDANT FORESTLAND





REFORESTATION

DENUDED FORESTLAND



Ilocos Norte



REFORESTATION

NATIONAL GREENING PROGRAM

- Plant 1.5 billion trees in 1.5 million hectares of lands of the public domain for a period of six years (2011 to 2016)

BEFORE



AFTER



Brgy. Banban, Ayungon, Negros Oriental
(Mangium Plantation)



REFORESTATION

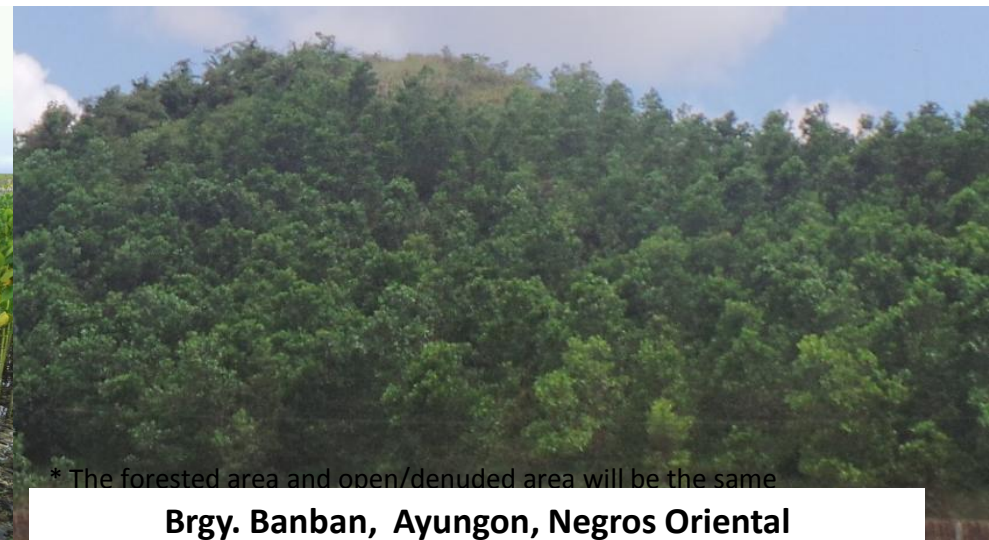
NATIONAL GREENING PROGRAM

Performance Indicator	2011		2012		2013		2014		Total	
	Target	Accom	Target	Accom	Target	Accom	Target	Accom	Target	Accom
area planted (ha)	100,000	128,558	200,000	221,763	300,000	333,160	300,000	321,532	900,000	1,005,013

10°13'52"N, 124°13'20"E
accuracy: 4m



Brgy. Banacon, Getafe, Bohol
(Mangrove Plantation)



Brgy. Banban, Ayungon, Negros Oriental
(Mangium Plantation)

* The forested area and open/denuded area will be the same

Altitude
67

04/08/2015
AM



REFORESTATION

- Generated 2,148,971 jobs benefitting 317,656 individuals



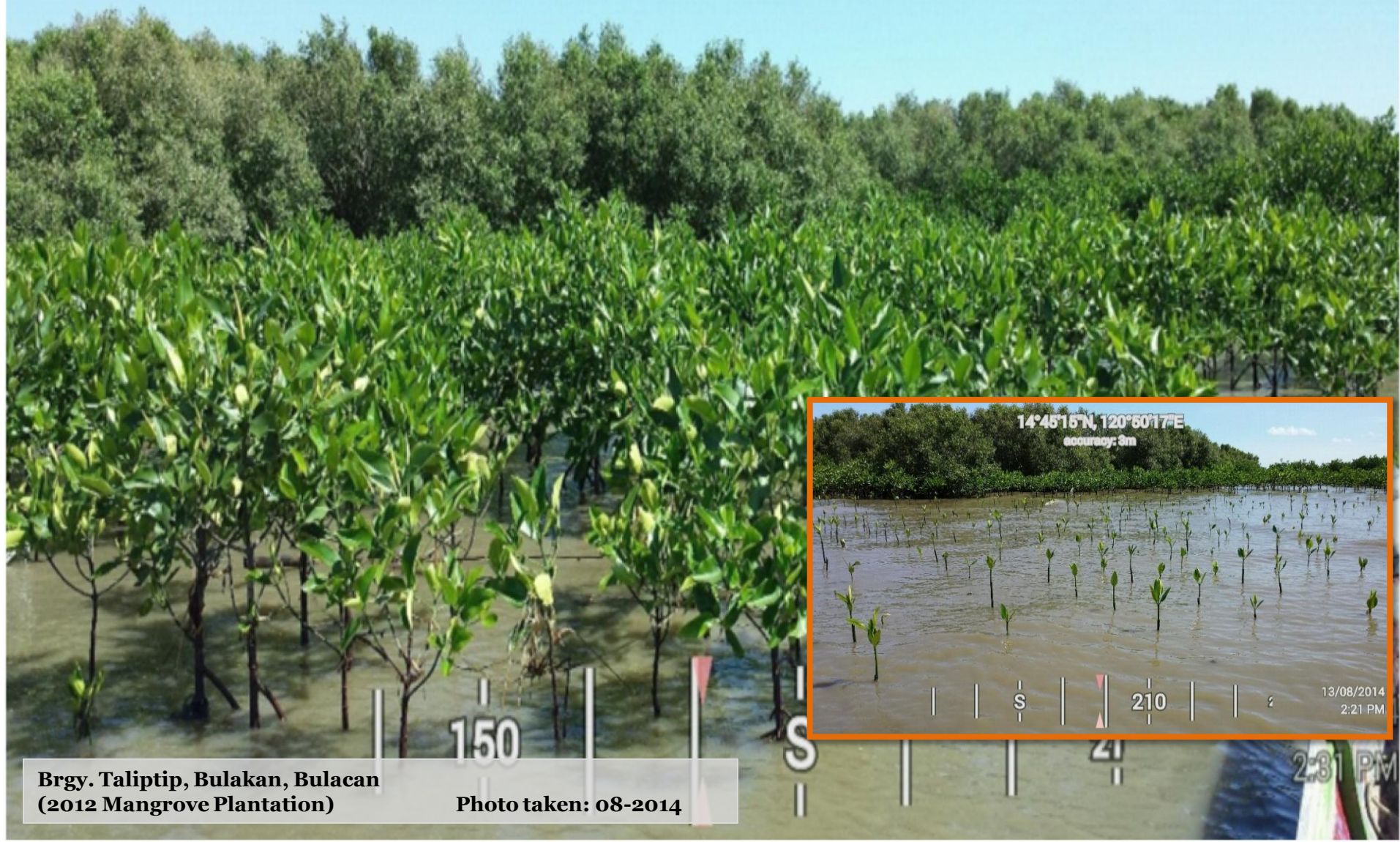
Bagging of soil in Mt. Malindang, Misamis Occidental



Nursery operations in Mt. Malindang, Misamis Occidental

14°45'15"N, 120°50'16"E

accuracy: 3m



14°45'15"N, 120°50'17"E

accuracy: 3m

13/08/2014
2:21 PM

Brgy. Taliptip, Bulakan, Bulacan
(2012 Mangrove Plantation)

Photo taken: 08-2014

SI P 356203 1625607

accuracy: 8m

Altitude

5

210

2

09/09/2014

3:50 PM

Brgy. Alitas, Infanta, Quezon
(2011 Mangrove Plantation)

Photo taken: 09-2014

51 N 758295 882091

accuracy: 10m.



**Brgy. Nakabuklad, San Fernando, Bukidnon
(2011 Brazilian Fire Tree Plantation)**

Photo taken: 05-2014

18°33'21"N, 121°11'44"E

accuracy: 4m

03/19/2014

2:27 PM

So. Malukit, Sanchez Mira, Cagayan
(2012 Coffee Plantation)

Photo taken: 03-2014

51 P 588780 1132406

accuracy: 10m



Pascual, Ubay, Bohol



05/22/2014

11:23 AM

Brgy. San Pascual, Ubay, Bohol
(2011 Coffee Plantation)

Photo taken: 05-2014)

16°22'50"N, 121°22'51"E
accuracy: 6m

07/

Brgy. Binugawan, Kasibu, Nueva Vizcaya
(2013 Citrus Plantation)

Photo taken: 07-2014



Brgy. Laboo, Maasin, Leyte
(2011 Mangium Plantation) Photo taken: 02-2014

51 P 309814 1625922

accuracy: 4m



**Brgy. Calawis, Antipolo City, Rizal
(2013 Kakawate Plantation in Upper Marikina River Basin Protected Landscape) Photo taken: 03-2014**

16.80201°N, 120.791°E
accuracy: 8m

Altitude

03/10/2014

1 Brgy. Suyoc, Mankayan, Benguet
(2011 Benguet Pine Plantation)

Photo taken: 03-2014

12:18 PM

16°34'47"N, 120°22'48"E

accuracy: 3m



09/17/2014

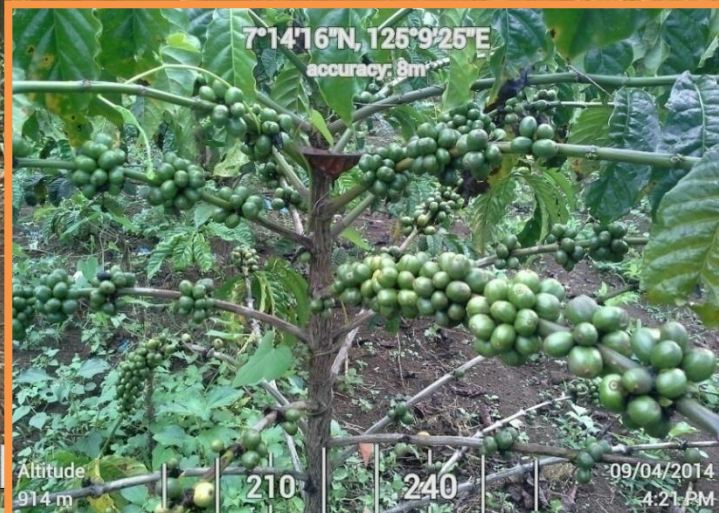
9:21 AM

Brgy. Cabarsican, San Fernando, La Union
(2011 Mahogany Plantation)

Photo taken: 09-2014

7°14'17"N, 125°9'26"E

accuracy: 6m



7°14'16"N, 125°9'25"E

accuracy: 8m

Altitude
914 m

210

240

09/04/2014

4:21 PM

210

240

09/04/2014

4:06 PM

Brgy. Mahongkog, Magpet, North Cotabato
(2012 Coffee Plantation)

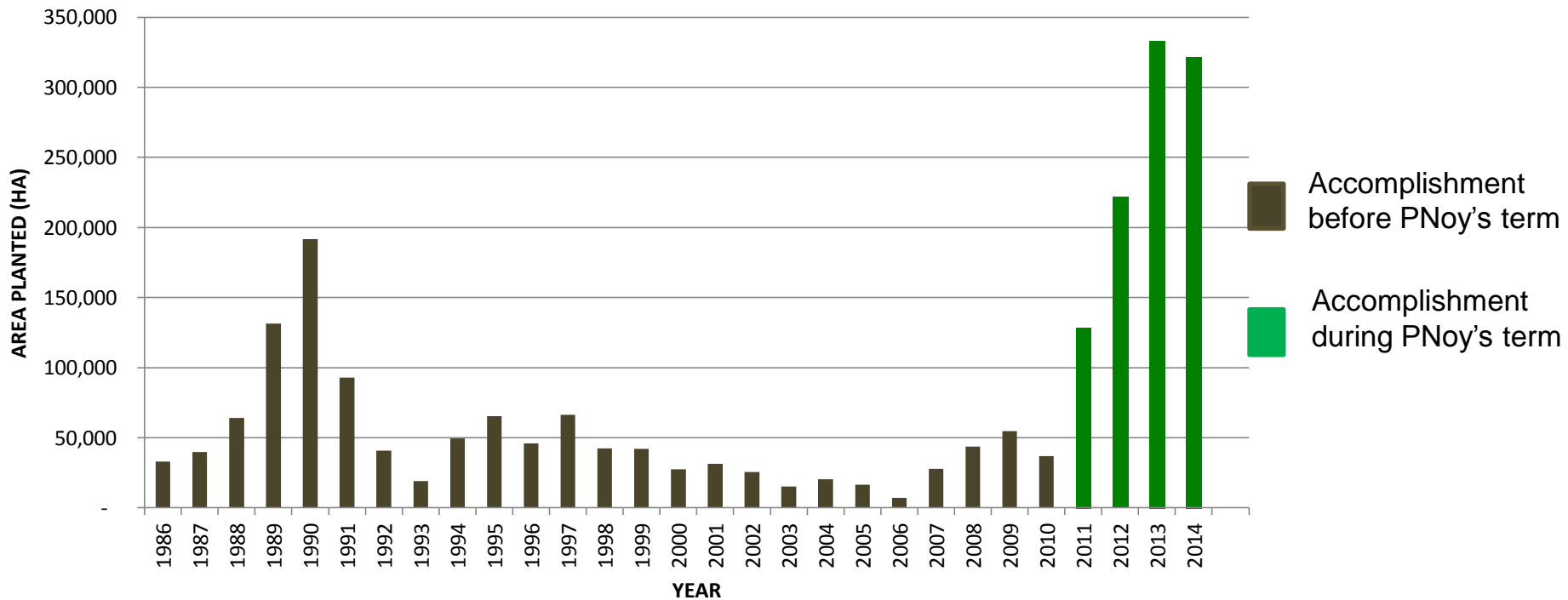
Photo taken: 09-2014



REFORESTATION

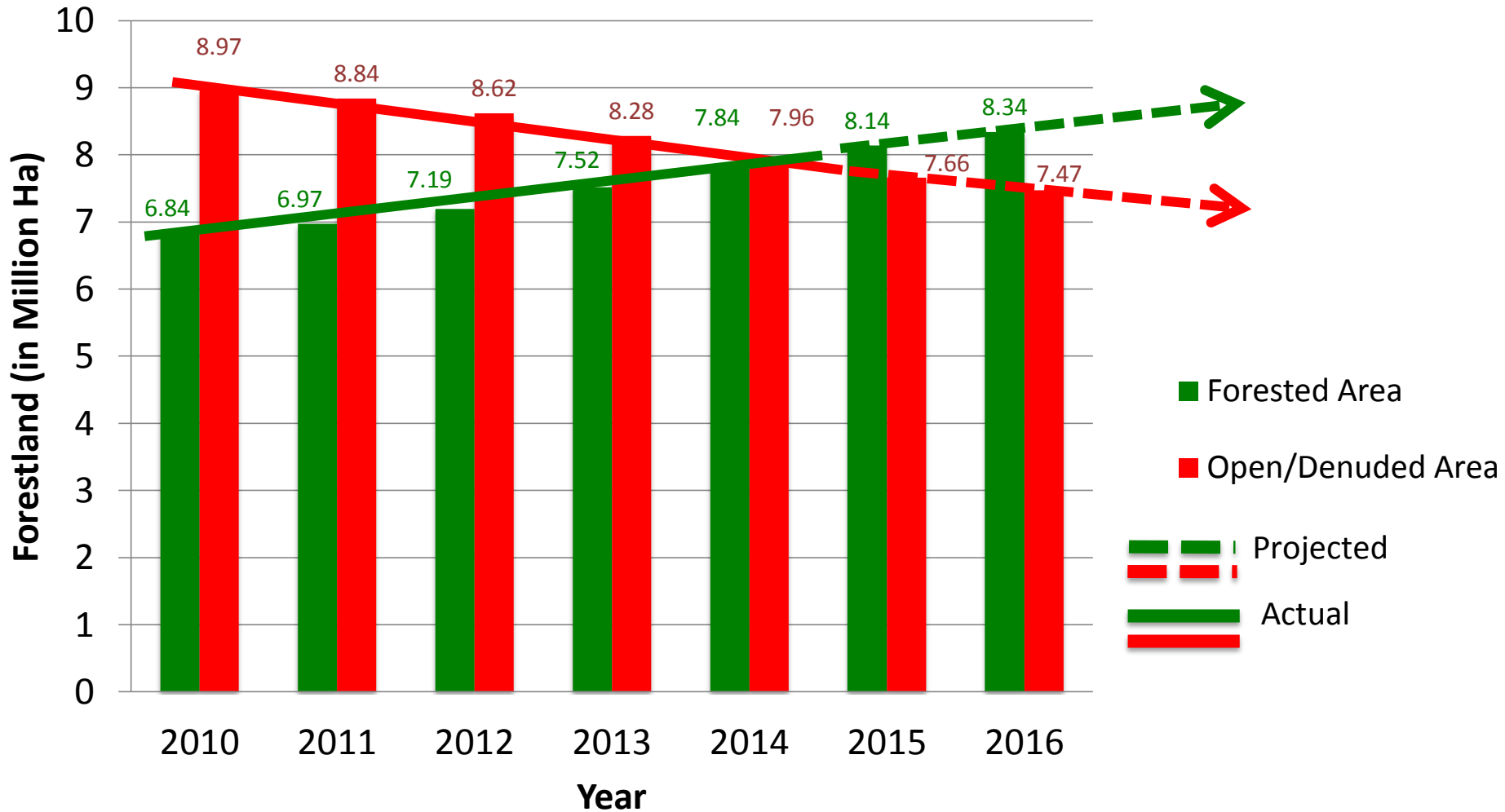
ANNUAL REFORESTATION DATA (1986-2014)

- 82% more than the reforestation of the past 25 years





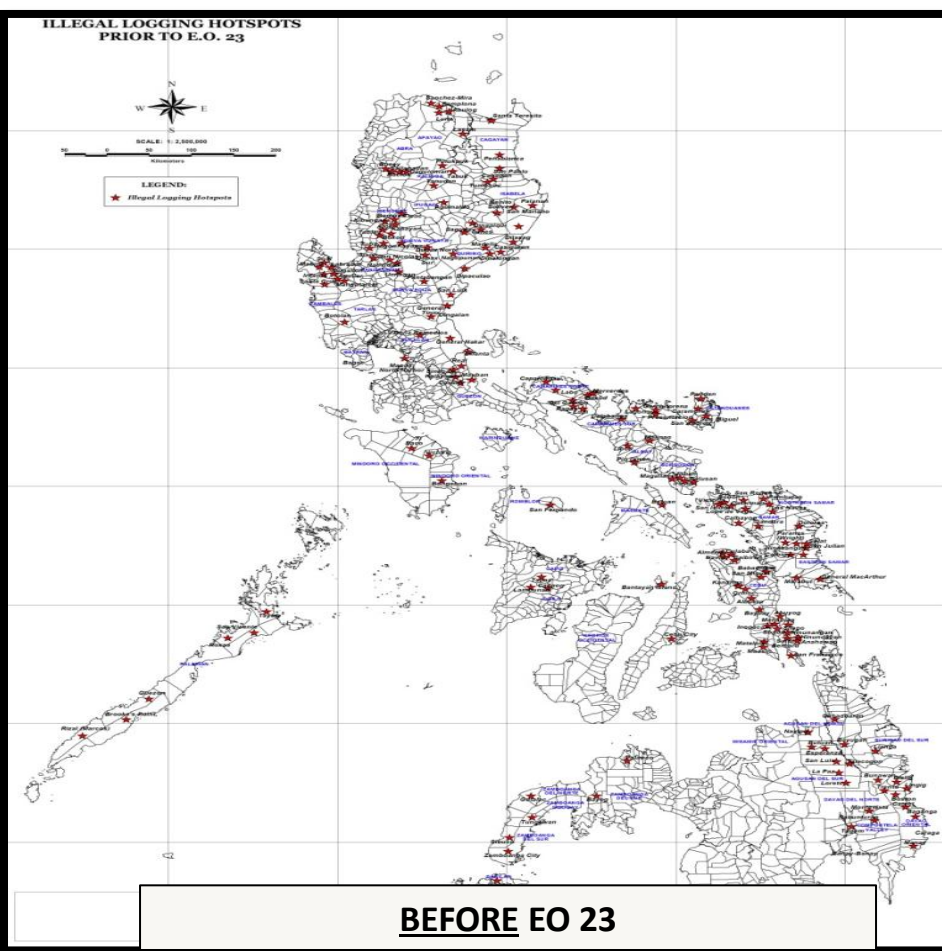
REFORESTATION



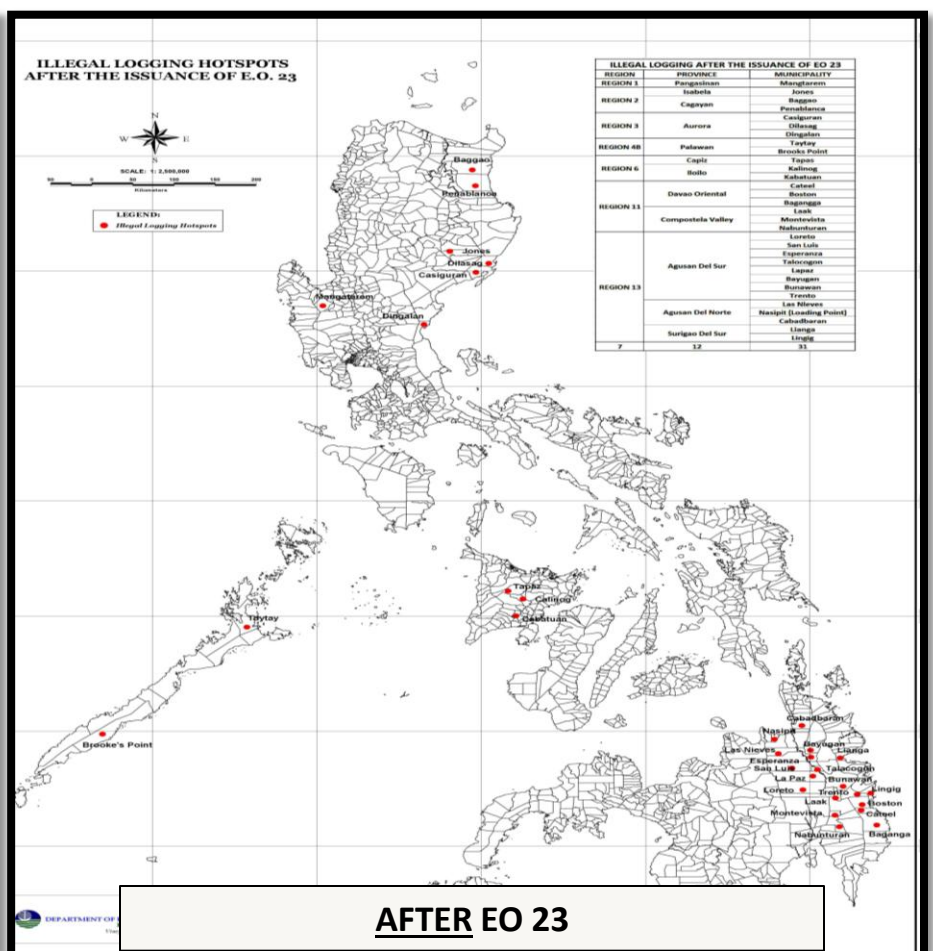


ANTI-ILLEGAL LOGGING (EO 23)

- Significantly reduced illegal logging hotspots from **197** to **31** in **2011** which to date, was further reduced to **23**, corresponding to 88% decrease



BEFORE EO 23

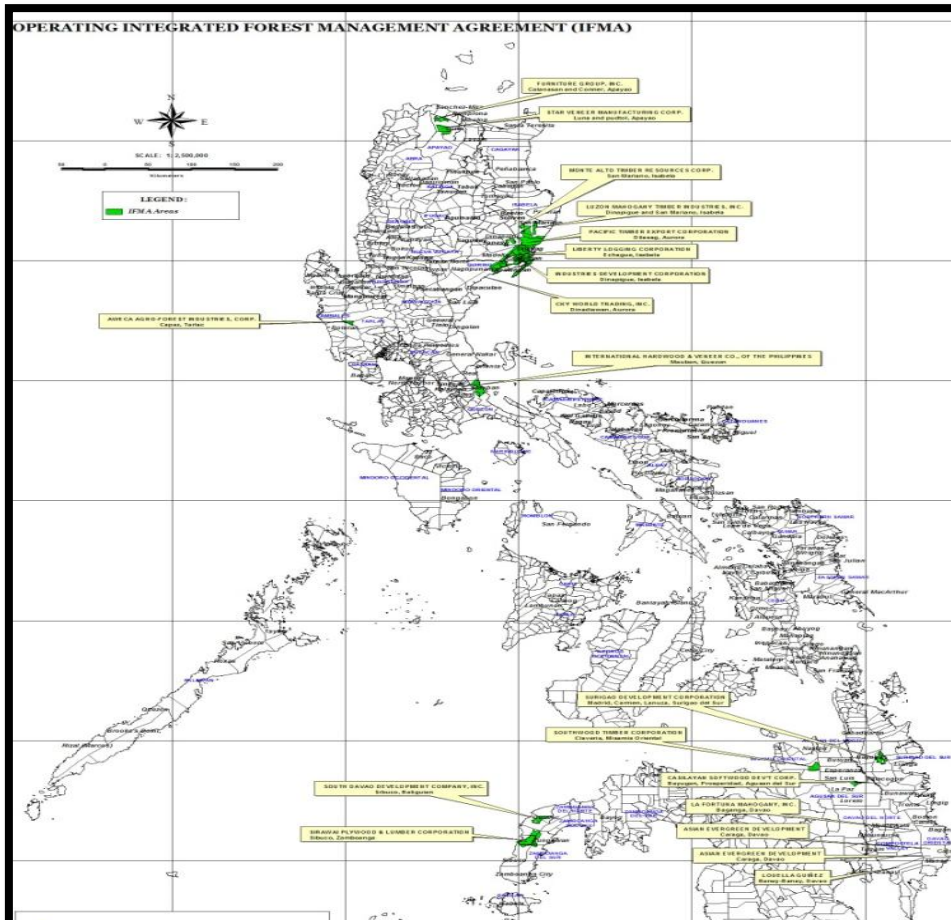


AFTER EO 23

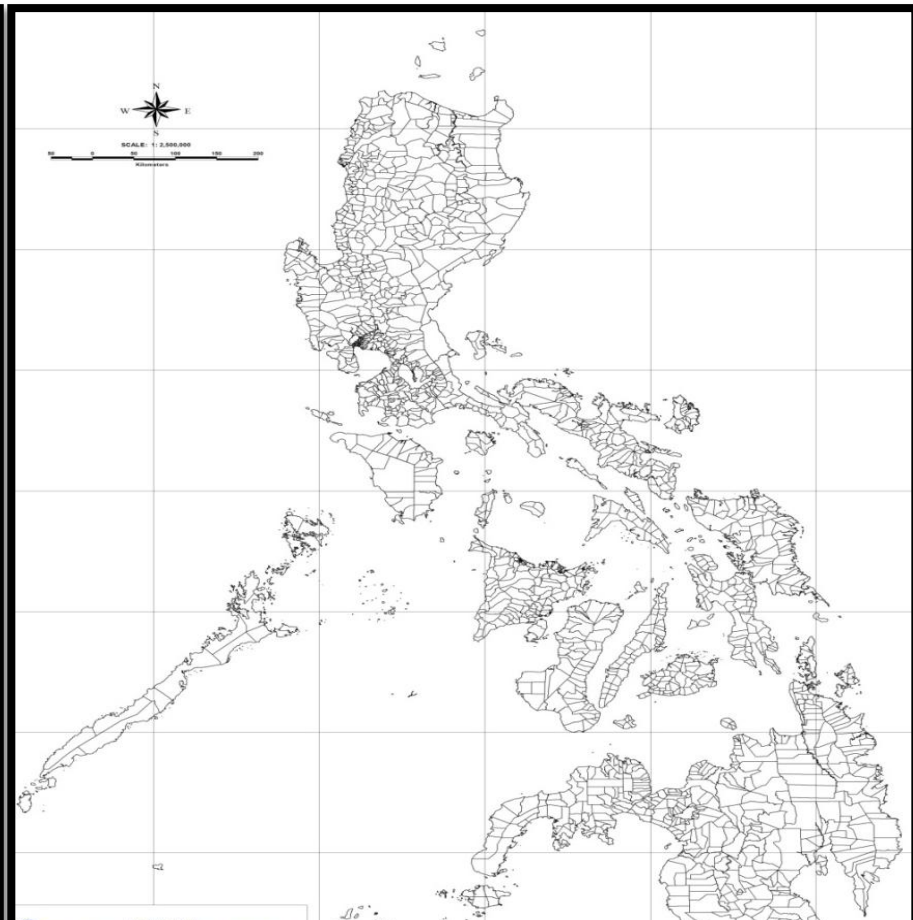


ANTI-ILLEGAL LOGGING (EO 23)

- Closed all logging concessions (19 IFMAs)



BEFORE EO 23



AFTER EO 23



ANTI-ILLEGAL LOGGING (EO 23)



Sierra Madre Mountain Range Protected Under EO 23



ANTI-ILLEGAL LOGGING (EO 23)

STRICT ENFORCEMENT OF LOGGING BAN

- Confiscated 29,210,105 board feet of illegally cut and transported forest products
- Filed 1,411 cases with 197 persons convicted





ANTI-ILLEGAL LOGGING (EO 23)

DONATION OF CONFISCATED FOREST PRODUCTS

- **146,424 school armchairs** and furniture were **produced and donated** to public schools while **380 school buildings** were repaired using confiscated logs and lumber
- Confiscated forest products were also donated to other government institutions which were converted to **1,820 chairs, 105 double-deck beds, 110 hospital beds, 102 core shelters** and repaired 18 building



Confiscated logs/lumber manufactured into school furniture



CLEAN AIR

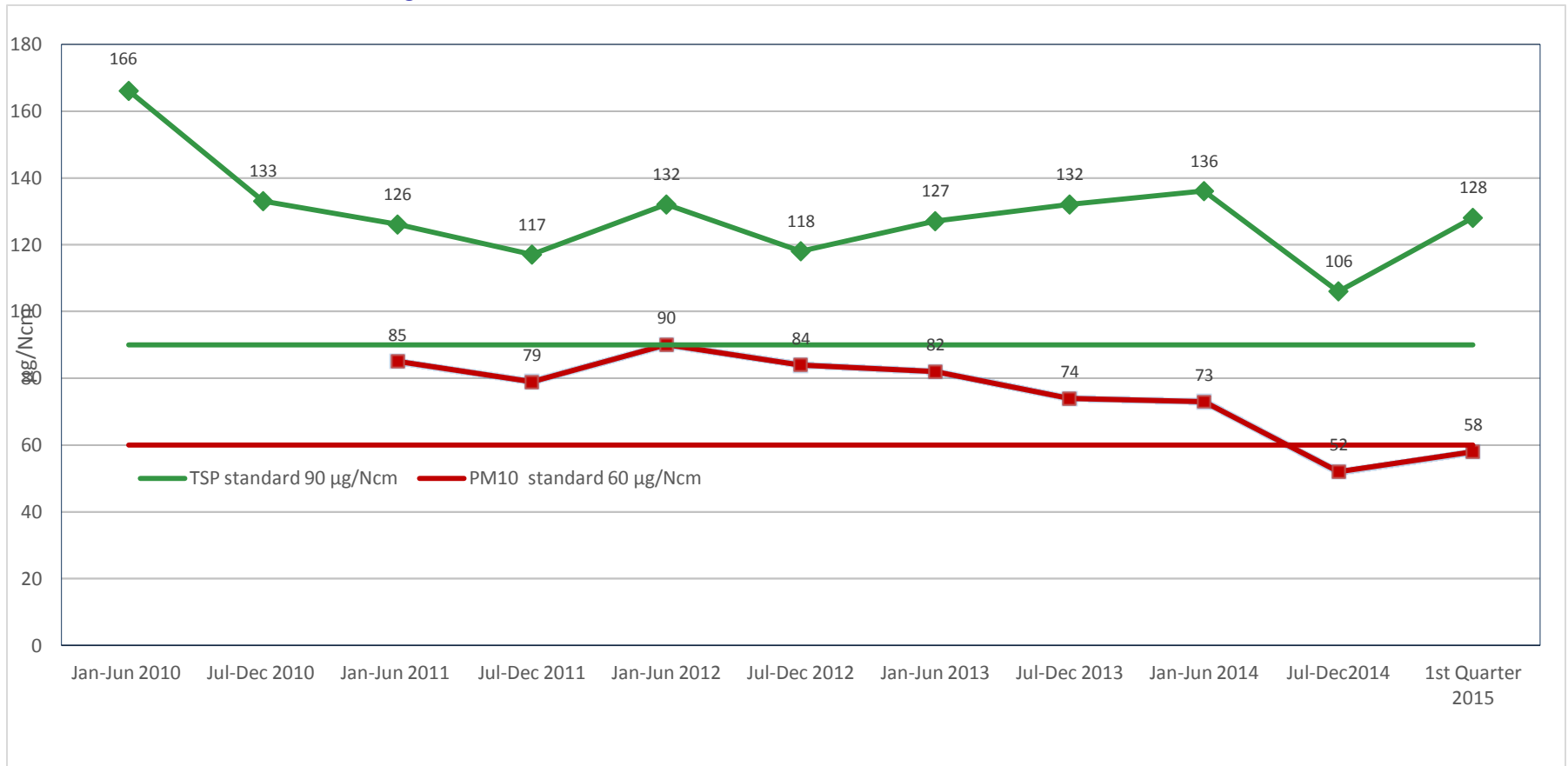
POLLUTION IN MAKATI, METRO MANILA





CLEAN AIR

- Reduced TSP level by 23% from the 2010 level
- Reduced PM₁₀ level by 32% from the 2011 level





CLEAN AIR

- Mandating, through DAO 2015-04, the shift from Euro 2 to Euro 4 emission and fuel standard (i.e., sulfur content of fuel reduced from 500 ppm to 50 ppm)



Republic of the Philippines
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Visayas Avenue, Diliman, Quezon City
Tels No. 929-6626 to 29; 929-6633 to 35
Website: <https://www.denr.gov.ph/> E-mail: web@denr.gov.ph

MAR 24 2015

DENR ADMINISTRATIVE ORDER

No. 2015- 04

Subject: **Implementation of Vehicle Emission Limits for Euro 4/IV, and In-Use Vehicle Emission Standards**

Fuel type	Euro IV fuel	Euro II fuel
1. Diesel - Sulfur	50 ppm	500 ppm
2. Gasoline -Sulfur - Benzene (% by volume, max.) - Aromatics (% by volume, max.)	50 ppm 1 35	500ppm 5 No limit



CLEAN WATER

Launched “Adopt-A-Estero/ River” Program

- 329 esteros/rivers adopted and 549 MOAs signed nationwide



Clean-up of Bitan-Ag Creek, Cagayan de Oro



CLEAN WATER

BEFORE



AFTER



Concepcion Creek, J. Molina St., Marikina City



CLEAN WATER

BEFORE



AFTER



Ciudad Grande Creek, Valenzuela City

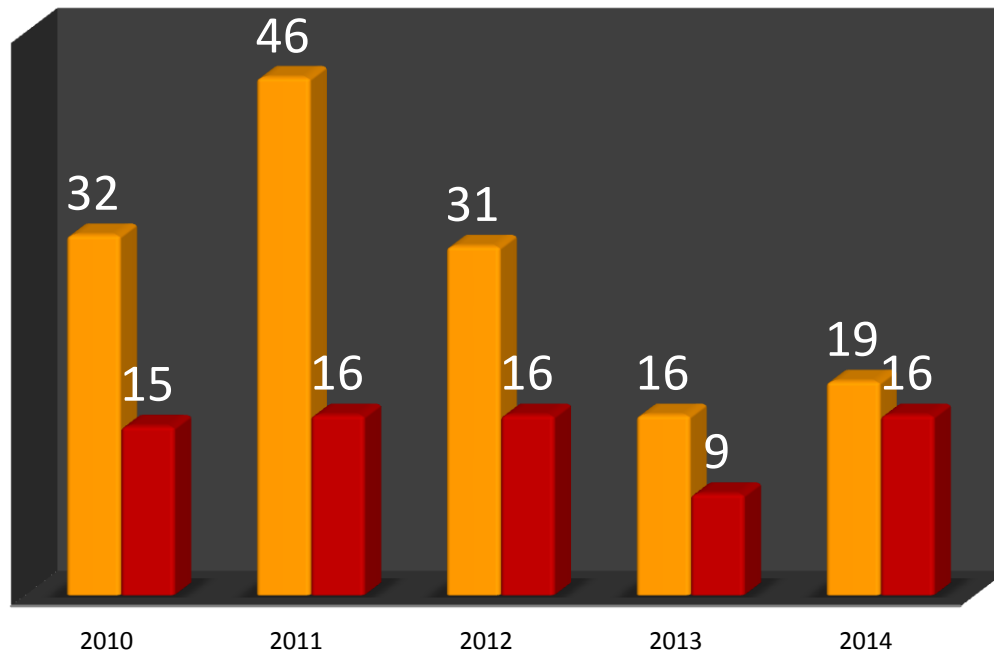


BIODIVERSITY

- Improvement of regulation on wildlife trade and enforcement for wildlife protection

Confiscation Records (2010-2014)

■ No. of confiscations ■ Cases filed in Court





BIODIVERSITY

- Increase in population of Philippine eagle (29 to 39), Philippine tamaraw (274 to 382), and Pawikan (14,035 to 17,593 nesting sites)





PROTECTED AREAS

Significantly increased biodiversity protection areas

- Mt. Malindang and Mt. Makiling Range Watershed Forest Reserve as ASEAN Heritage Park
- Mt. Hamiguitan Range Wildlife Sanctuary as World Heritage Site
- Aliwagwag Falls Protected Landscape and Upper Marikina River Basin Protected Landscape proclaimed as PAs.



Aliwagwag Falls Protected landscape



Mt. Malindang National Park



Mt. Makiling Range Watershed Forest Reserve



Upper Marikina River Basin Protected Landscape (UMRBPL)

MT. HAMIGUITAN RANGE WILDLIFE SANCTUARY

Mt. Hamiguitan Wildlife Sanctuary, located in the province of Davao Oriental is a protected area by virtue of Republic Act 9351. It covers a total area of 6,826 hectares within the political boundaries of the municipalities of San Isidro, Governor Generoso and Mati City. A 1,235 hectares unique pygmy forest growing on ultrabasic soil is also found within the protected area. The provincial officials of Davao Oriental are seeking the inclusion of the protected area to the UNESCO World Heritage Site.

The Mt. Hamiguitan Mountain Range is the headquarters of different streams and creeks which are sources of water for agriculture and domestic use in the low lying areas and towns surrounding the protected area. A total of 67 endemic species of amphibians, reptiles, birds and mammals have been observed to occur within the protected area. These include two species of birds that are critically endangered, the Philippine Cockatoo (*Cacatua halmaherensis*) and the Philippine Eagle (*Philicophaga jefferyi*) and seven other threatened species (1 endangered and 6 vulnerable).

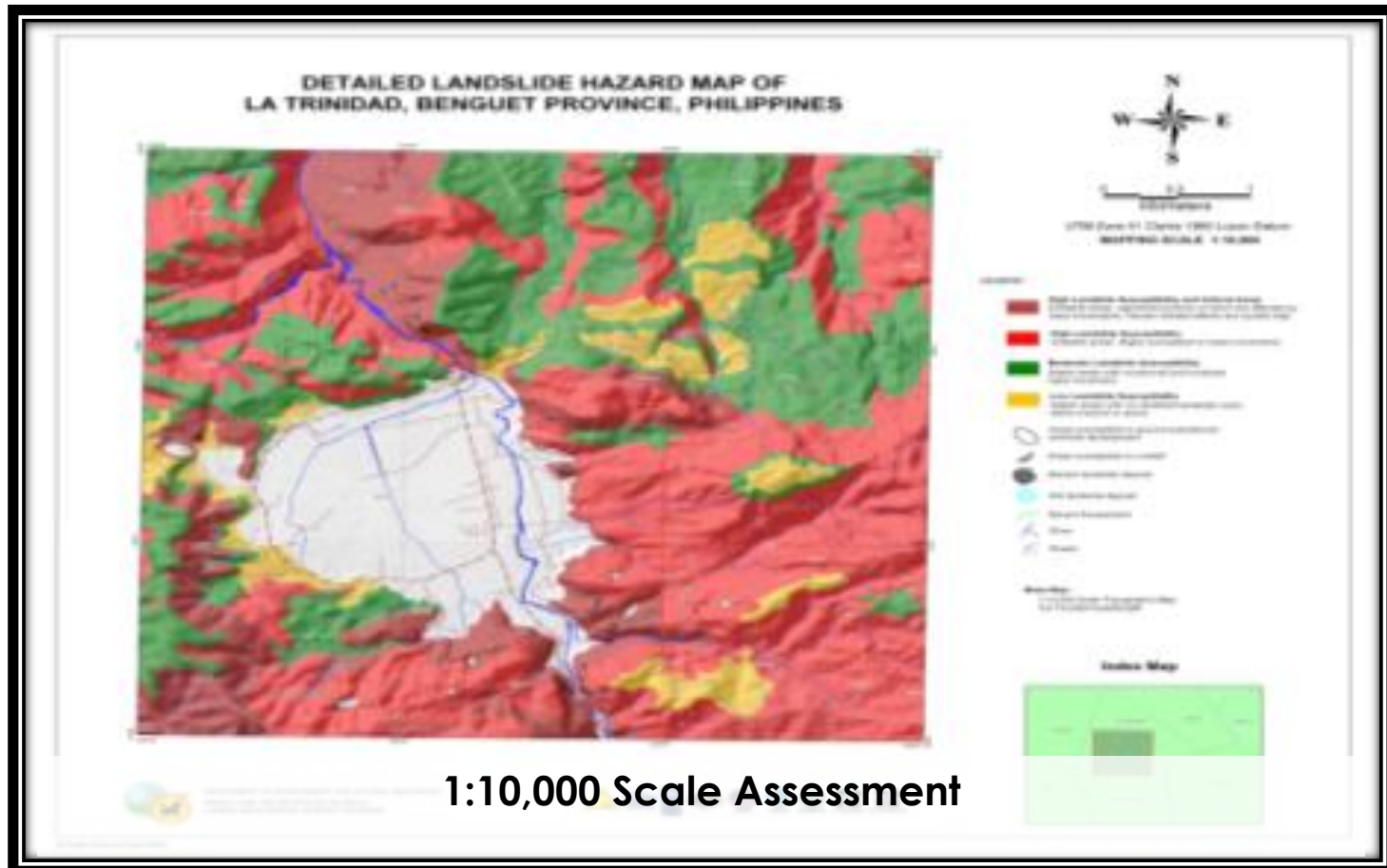
Philippine Eagle
Philicophaga jefferyi



MAPPING

NATIONAL GEOHAZARDS ASSESSMENT

- Completed geohazards assessment and mapping of entire country (1,634 cities/municipalities) at 1:10,000 scale



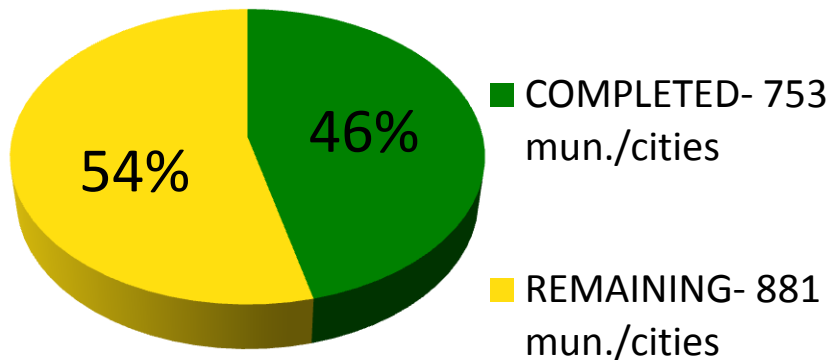


LANDS

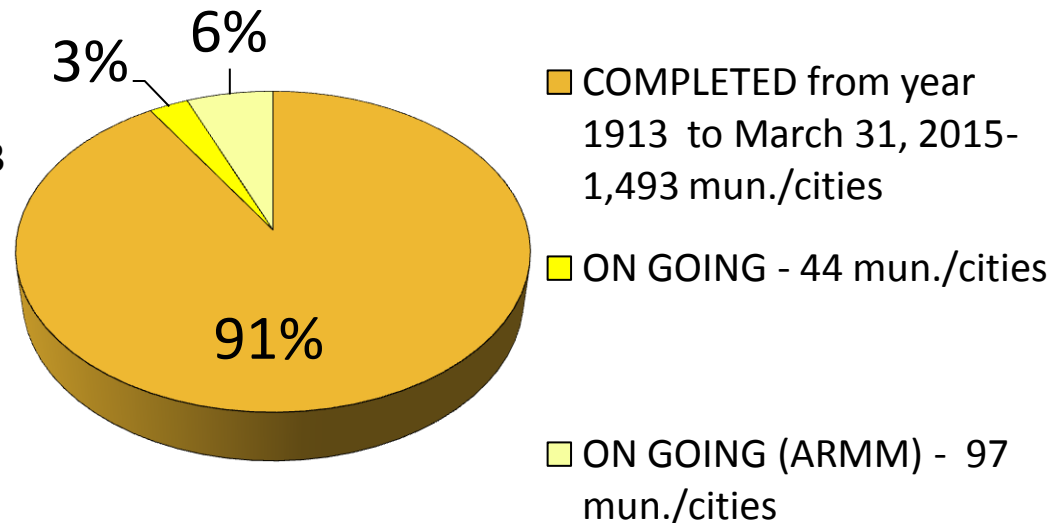
NATIONAL CADASTRAL SURVEY

- Surveyed a total of 1,493 cities and municipalities comprising 91% of the total 1,634 municipalities nationwide

1913-2009



2010-2015



This will be completed by 2015.



GOOD GOVERNANCE

COMPARATIVE PERFORMANCE RATINGS OF THE NATIONAL ADMINISTRATION ON SELECTED NATIONAL ISSUES

November 2014 and March 2015 / Philippines

Selected National Issues	Approval		Change*	Undecided		Change*	Disapproval		Change*
	Nov 14	Mar 15	<u>Mar15 - Nov14</u>	Nov 14	Mar 15	<u>Mar15 - Nov14</u>	Nov 14	Mar 15	<u>Mar15 - Nov14</u>
Responding to the needs of those affected by calamities	49	49	0	33	33	0	18	18	0
Stopping the destruction and abuse of our environment	45	48	+ 3	34	29	- 5	21	22	+ 1
Fighting criminality	47	45	- 2	31	30	- 1	22	25	+ 3
Defending the integrity of Philippine territory against foreigners	50	43	- 7	32	33	+ 1	18	23	+ 5
Fighting graft and corruption in government	45	42	- 3	23	26	+ 3	32	33	+ 1
Enforcing the law on all, whether influential or ordinary people	41	41	0	38	30	- 8	21	29	+ 8
Increasing peace in the country	45	40	- 5	34	31	- 3	21	29	+ 8
Creating more jobs	37	37	0	34	33	- 1	30	30	0
Controlling fast population growth	32	37	+ 5	38	33	- 5	31	30	- 1
Improving/Increasing the pay of workers	32	33	+ 1	33	35	+ 2	35	33	- 2
Controlling inflation	24	29	+ 5	31	30	- 1	45	41	- 4
Reducing the poverty of many Filipinos	28	28	0	31	32	+ 1	41	40	- 1



GOOD GOVERNANCE

SWS Survey on Satisfaction with the National Administration (On Specific issues, June 2014)

	Satisfied	Undecided	Dissatisfied	Net *	Net Sat Rating
Protecting the Environment	65	16	18	+46	Good
Providing enough supply of electricity	64	16	19	+45	
Defending the country's territorial rights	63	17	20	+43	
Promoting welfare of overseas workers	63	16	21	+42	
Foreign relations	60	20	19	+41	
Helping the poor	64	9	26	+39	
Reconciliation with Muslim rebels	50	21	28	+22	Moderate
Fighting terrorism	50	19	30	+21	
Providing jobs	53	13	33	+20	
Reconciliation with Communist rebels	48	19	31	+17	
Fighting crimes	48	16	35	+13	
Tax collection	47	17	34	+13	
Eradicating graft and corruption	48	15	36	+12	Neutral
Ensuring that no family will be hungry	37	17	46	-9	
Fight inflation	34	13	52	-18	Poor
Ensuring oil firms don't take advantage of oil prices	30	20	49	-19	Bad
Resolving Maguindanao massacre case with justice	20	16	64	-44	

Source: SWS Second Quarter 2014 Social Weather Report

Summary and Conclusions



SUMMARY AND CONCLUSIONS

- Significant improvement of the performance of government towards environmental protection and rehabilitation
- Slight improvement in the quality of environment which remains challenging
- Increased awareness, consciousness and participation of the communities with respect to climate change and environmental protection
- Restored confidence of communities on environmental programs and efforts of the government
- Increased compliance to environmental regulations



End of presentation

