



Management System ISO 9001:2015 ISO 14001:2015

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CARAGA LAND AND TIMBER ASSET ACCOUNTS: CHALLENGES AND APPROACHES

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REPUBLIC OF THE PHILIPPINES PHILIPPINE STATISTICS AUTHORITY



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Outline

- >Overview
- Challenges and Approaches
- Policy Implication
- Conclusion and Recommendation

Theat	REPUBLIC OF THE PHILIPPINES		Table 2. Land cover classification (Interim)				
Id Solid	PHILIPPINE STATISTICS AUT	1	Artificial Surfaces				
3	Table 1: TWG Listing of Land Cover	2	Herbaceous Crops				
Classification			Woody Crops				
1	Closed Forest	4	Multiple or Layered Crops				
2	Open Forest	5	Grassland				
3	Mangrove Forest	6	Tree-covered areas				
4	Plantation Forest	7	Mangroves				
5	Built-up Areas	8	Shrub-covered areas				
6	Annual Crop	9	Shrubs and /or herbaceous				
7	Perennial Crop		vegetation, aquatic or				
8	Barren Land		regularly flooded				
9	Grassland	10	Sparsely natural vegetated				
10	Fallow		areas				
11	Wooden Grassland	11	Terrestrial barren land				
12	Shrubs		Inland water bodies				
13	Marshland/Swamp	13	Coastal water bodies and inter				
14	Fish pond		-tidal areas				
15	Inland Water	14	Permanent snow and glaciers				
16	Sandbars		U				





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Та	able 3: DENR-NAMRIA: Land		Table 4: SEEA2012-Central
	Cover Classification		Framework
1	Closed Forest	1	Artificial Surface
2	Open Forest	2	
3	Mangrove Forest		Crops
4	Built-up Areas	3	Grassland
5	Annual Crop	4	Tree-covered areas
6	Perennial Crop	5	
7	Barren Land		Shrub-covered areas
8	Grassland	6	Regularly flooded areas
9	Fallow	7	Inland water bodies
10	Wooden Grassland	8	
11	Shrubs		Terrestrial barren land
12	Marshland/Swamp		
13	Fish pond		
14	Inland Water		4

Table 5. Comparison of Land	Cover Classification		
Interim Land Cover Classification	SEEA 2012 – Central Framework		
Artificial surfaces (including urban and associated areas)	Artificial surfaces		
Herbaceous crops			
Woody crops	Crops		
Multiple or layered crops			
Grassland	Grassland		
Tree-covered areas	Tree-covered areas		
Mangroves			
Shrub-covered areas	Shrub-covered areas		
Shrubs and /or herbaceous vegetation, aquatic or regularly flooded	Regularly flooded areas		
Sparsely natural vegetated areas			
Inland water bodies			
Coastal water bodies and inter-tidal areas	Inland water bodies		
Terrestrial barren land			
Permanent snow and glaciers	Terrestrial barren land		

Table 6. Comparison of Land Cover Classification					
DENR-NAMRIA	SEEA 2012-Central Framework				
Built-up areas	Artificial surfaces				
Annual crop	Cropp				
Perennial crop	Crops				
Grassland					
Fallow	Grassland				
Wooden Grassland					
Closed forest	Tree-covered areas				
Open forest					
Mangrove forest					
Brush/Shrubs	Shrub-covered areas				
Marshland/Swamp	Regularly flooded areas				
Open/Barren	Terrestrial barren land				
Fishpond					
Inland water	Inland water bodies				

Table 7a: Land Covers, Caraga: 2003, 2010 and 2015 (in has)

Land Cover	2003	2010	2015
Closed Forest	64,728.7	99,811.7	125,937
Open Forest	431,831.6	558,447.3	571,786
Mangrove Forest	26,730.8	25,897.8	27,050
Inland water	23,652.2	36,161.5	41,753
Built-up	4,001.7	21,948.0	26,697
Annual crop	201,655.6	188,098.8	159,251
Perennial crop	461,995.5	469,789.8	438,698
Fishpond	5,842.8	7,392.0	6,329
Open/Barren	1,243.7	5,312.8	9,703
Marshland/Swamp	55,700.6	45,269.9	44,921
Grassland	65,487.8	32,265.1	33,426
Fallow	3,484.3	3,395.8	-
Brush/Shrubs	189,988.4	193,565.7	409,313
Wooded grassland	331,146.7	208,163.8	-
Total	1,867,491	1,895,520	1,894,865





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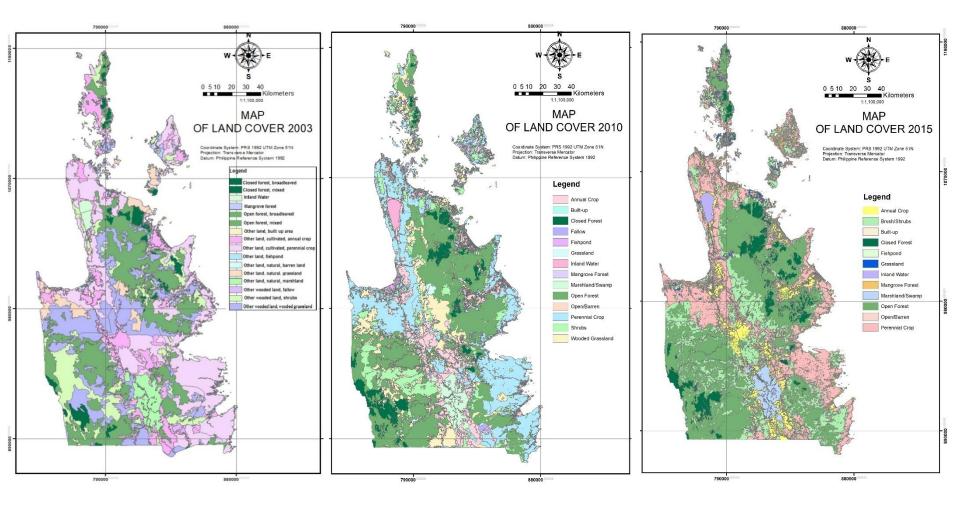


Table 7b: Re-aligned Land Cover for Comparability								
	(Published) DENR-NAMRIA				(Re-aligned with 2015) DENR-NAMRIA			
	2003	2010	2015	2003	2010	2015		
Closed Forest	64,728.70	99,811.70	125,937.00	64,728.70	99,811.70	125,937.00	Closed Forest	
Open Forest	431,831.6 0	558,447.30	571,786.00	431,831.60	558,447.30	571,786.00	Open Forest	
Mangrove Forest	26,730.80	25,897.80	27,050.00	26,730.80	25,897.80	27,050.00	Mangrove Forest	
Built-up	4,001.70	21,948.00	26,697.00	4,001.70	21,948.00	26,697.00	Built-up	
Annual Crop	201,655.60	188,098.80	159,251.00	201,655.60	188,098.80	159,251.00	Annual Crop	
Perennial Crop	461,995.50	469,789.80	438,698.00	461,995.50	469,789.80	438,698.00	Perennial Crop	
Open/ Barren	1,243.70	5,312.80	9,703.00	1,243.70	5,312.80	9,703.00	Open/ Barren	
Grassland	65,487.80	32,265.10	33,426.00	65,487.80	32,265.10	33,426.00	Grassland	
Fallow	3,484.30	3,395.80	-	-	-	-	Fallow	
Wooded Grassland	331,146.70	208,163.80	-	-	-	-	Wooded Grassland	
Brush/ Shrubs	189,988.40	193,565.70	409,313.00	524,619.40	405,125.30	409,313.00	Brush/ Shrubs	
Marshland /Swamp	55,700.60	45,269.90	44,921.00	55,700.60	45,269.90	44,921.00	Marshland /Swamp	
Fishpond	5,842.80	7,392.00	6,329.00	5,842.80	7,392.00	6,329.00	Fishpond	
Inland Water	23,652.20	36,161.50	41,753.00	23,652.20	36,161.50	41,753.00	Inland Water	
Total	1,867,491	1,895,520	1,894,864	1,867,491	1,895,520	1,894,864	Total	

Table 8: Comparison of Land Cover for Comparability								
(Re-aligned with 2015) DENR-NAMRIA				SEEA 2012 - Central Framework				
	2003	2010	2015	2003	2010	2015		
Built-up	4,001.70	21,948.00	26,697.00	4,001.70	21,948.00	26,697.00	Artificial Surfaces	
Annual Crop	201,655.60	188,098.80	159,251.00	662 651 10	651.10 657,888.60	597,949.00	Crops	
Perennial Crop	461,995.50	469,789.80	438,698.00	003,031.10				
Grassland	65,487.80	32,265.10	33,426.00	65,487.80	32,265.10	33,426.00	Grassland	
Closed Forest	64,728.70	99,811.70	125,937.00	523,291.10	523,291.10 684,156.80	724,773.00	Tree	
Open Forest	431,831.60	558,447.30	571,786.00				-Covered	
Mangrove Forest	26,730.80	25,897.80	27,050.00				Area	
Open/ Barren	1,243.70	5,312.80	9,703.00	1,243.70	5,312.80	9,703.00	Terrestrial Barren Land	
Fallow	-	-	-					
Wooded Grassland	-	-	-	524,619.40	9.40 405,125.30	409,313.00	Shrub -covered	
Brush/ Shrubs	524,619.40	405,125.30	409,313.00				Area	
Marshland /Swamp	55,700.60	45,269.90	44,921.00	55,700.60	45,269.90	44,921.00	Regularly Flooded Areas	
Fishpond	5,842.80	7,392.00	6,329.00	29,495.00				Inland Water
Inland Water	23,652.20	36,161.50	41,753.00		43,553.50	48,082.00	Bodies	
Total	1,867,490	1,895,520	1,894,864	1,867,490	1,895,520	1,894,864	Total	





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Valuation of Land or Source of Data for the revaluation :

$\sqrt{\text{DEPARTMENT ORDER No.}}$ 016-2000 (March 21, 2000) for AGUSAN del NORTE $\sqrt{\text{DEPARTMENT ORDER No.}}$ 013-2015 (April 10, 2015) for AGUSAN del NORTE

$\sqrt{\text{DEPARTMENT ORDER No. 84-}}$ 96 (August 21, 1996) <u>AGUSAN del SUR</u> $\sqrt{\text{DEPARTMENT ORDER No. 30-}}$ 05 (February 26, 2006) <u>AGUSAN del</u> <u>SUR</u>

 $\sqrt{\text{DEPARTMENT ORDER No. 80}}$ - 2015 (October 4, 2015) for AGUSAN del SUR $\sqrt{\text{DEPARTMENT ORDER No. 54-95}}$ (May 9, 1995) for <u>SURIGAO del NORTE</u> $\sqrt{\text{DEPARTMENT ORDER No. 60-02}}$ (September 16, 2002) for <u>SURIGAO del</u> <u>NORTE</u> $\sqrt{\text{DEPARTMENT ORDER No. 61-2013}}$ (December 25, 2013) for <u>SURIGAO del</u> NORTE

 $\sqrt{$ DEPARTMENT ORDER No. 52-95 (April 27, 1995) for <u>SURIGAO del SUR</u> $\sqrt{$ DEPARTMENT ORDER No. 20-02 (September 16, 2002) for <u>SURIGAO del SUR</u>. $\sqrt{$ DEPARTMENT ORDER No. 30-05 (February 26, 2006) for <u>SURIGAO del SUR</u> $\sqrt{$ DEPARTMENT ORDER No. 012-2015 (April 10, 2015) for <u>SURIGAO del SUR</u>





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LIST OF GOVERNMNET and NON-GOVERNMENT PROGRAMS

I. Government sector
A. DENR
<u>1. Regular</u>
Urban Forestry
Contract Reforestation
CBFM
Dipterocarp Plantation
Coastal Environmental
Project
USUFRUCT
DEFPPA
Watershed Rehab
CEP
Tree Farming
Mangrove Rehabilitation
Protected Areas Rehabilitation
Regular Contract
Reforestation

Agroforestry **Urban Parks** Assisted Natural Regeneration **Ecosystem Research Rubber Plantation** Integrated Social Forestry Congressional Initiatives Roadside/Island Planted (KILOMETER) 2. Foreign Assisted Projects **CFP** Quirino **RP German DNSIP OECF II** WRDP-WMIC CHARM LIUCP SALT **FSL II-JBIC**

B. LGUs/OGAs C. PAF II & III

II. Non-government sector TLA IFMA SIFMA TFLA CBFMA PLA/FLGLA ITPLA PRIVATE LANDS ADOPT A MT. (Mines) Citizenry Others

NGP

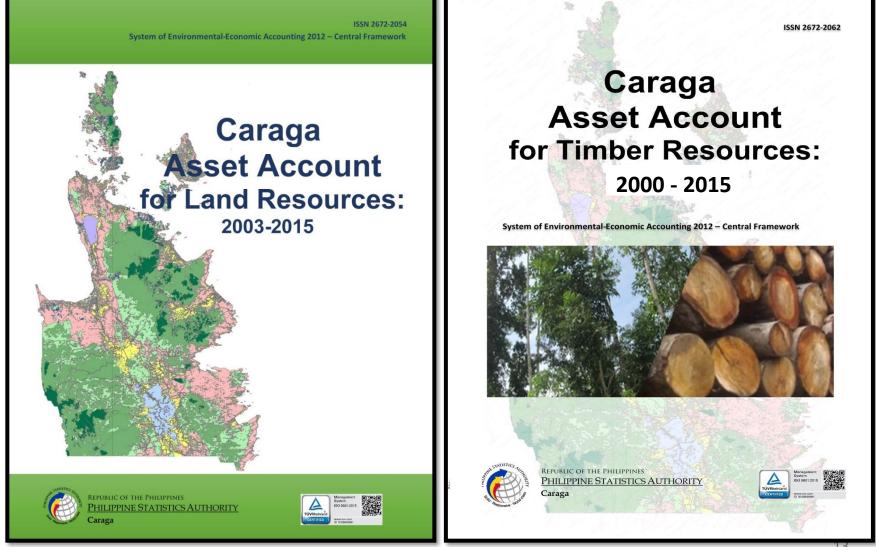
NGP (timber+indigenous)





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Thank you.





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