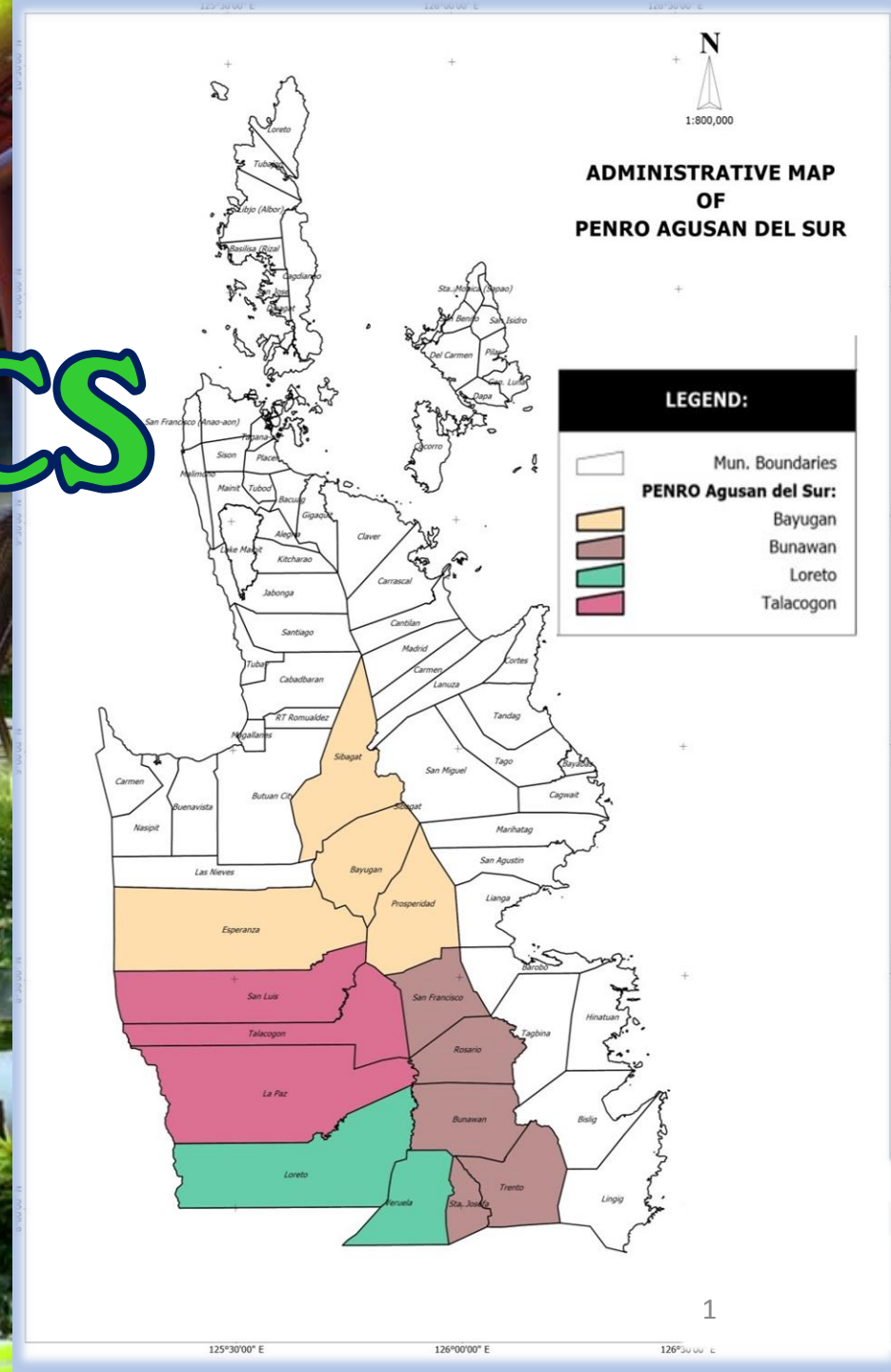


PENRO AGUSAN DEL SUR

ENR STATISTICS

2016

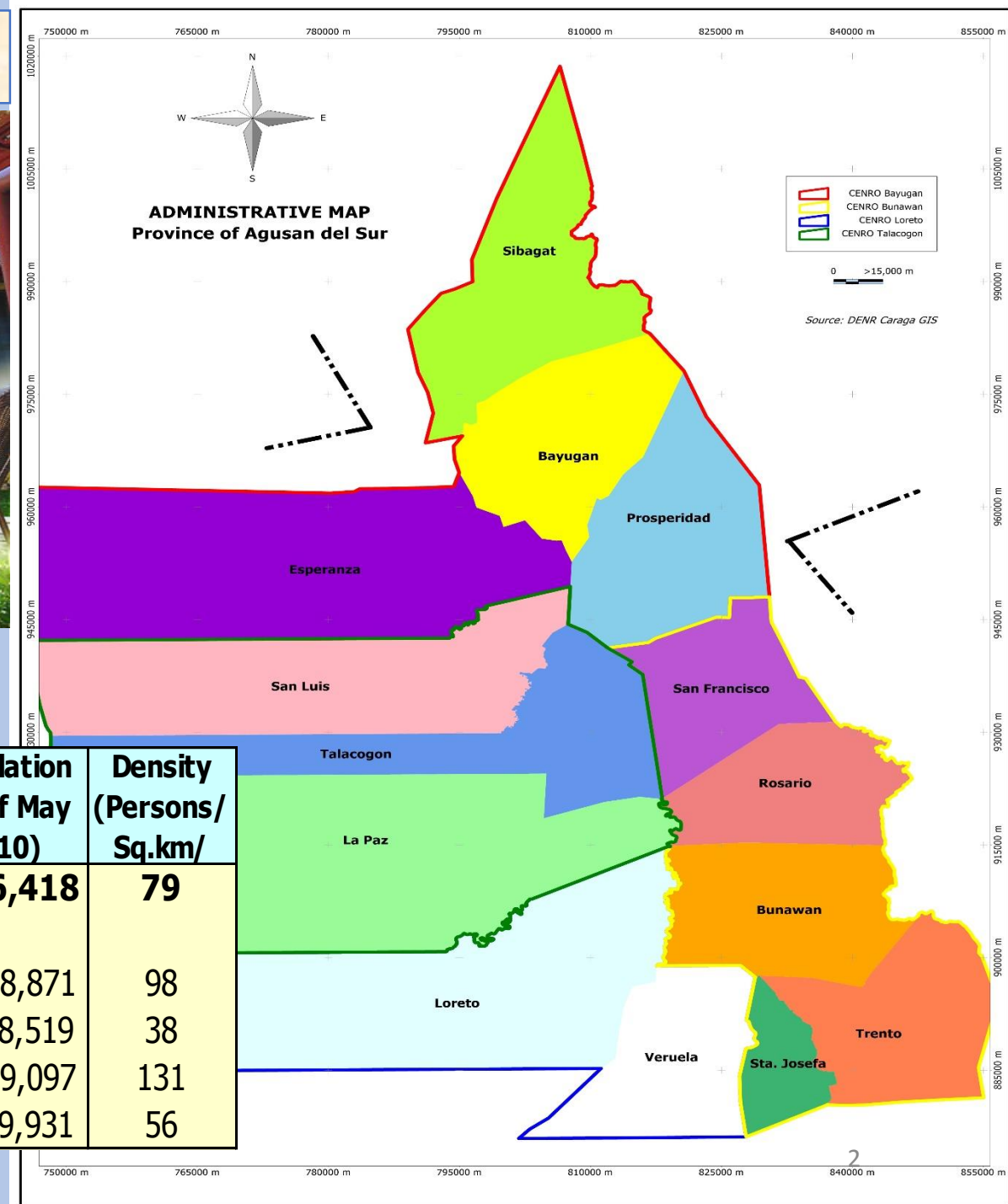


I. Introduction



Location: D.O. Plaza Provincial Government Center
Patin-ay, Prosperidad, Agusan del Sur

Province/ District	No. of Permanent Employees	No. of Cities	No. of Municipalities	No. Of Barangays	Area (sq.km.)	Population (as of May 2010)	Density (Persons/ Sq.km/
Agusan del Sur	243	1	13	314	8,297	656,418	79
PENRO	39						
CENRO Bayugan	64	1	3	146	2,635	258,871	98
CENRO Talacogon	48		3	56	2,578	98,519	38
CENRO Bunawan	63		5	75	1,668	219,097	131
CENRO Loreto	29		2	37	1,416	79,931	56



A. Province of Agusan del Sur

Agusan from the term “*Agus*” which literally means “where the water flows.”

The Agusan Valley was settled by a variety of cultural communities like the Manobos, Mamanwas and Higaonons. Archeological excavations in the lower Agusan valley plains have uncovered evidence of strong relationships between the region and the Southeast Asian states. A golden image of Javan-Indian design unearthed in the 1920s and molten jars uncovered in Prosperidad are indications that the region had commercial and cultural ties with the coast.

The province of Agusan del Sur was created on June 17, 1967 under Republic Act N0. 4979 providing for the division of the Province of Agusan into Agusan del Norte and Agusan del Sur. In January 1970, the first set of provincial officials assumed office after the provincial election of November, 1969. The same law provided that the capital of Agusan del Sur shall be the municipality of Prosperidad and the Government Center has been set up in Barangay Patin-ay.

The first elected Provincial Governor was Honorable Rufino C. Otero and Hon. Democrito O. Plaza was the first Congressman in the election of November, 1969. The term of Office of Congressman D.O. Plaza have been continued until December 1973 during the Proclamation of Martial Law on September 21, 1972, which in effect abolished the Congress. When the interim Batasang Pambansa was convened in 1978 after almost a decade of absence under Martial Law, Hon. Edilmiro Amante represented the province in the Interim National Assembly.

B. History of DENR Agusan del Sur






By virtue of Executive Order NO. 192 dated June 10, 1987, the Department of Environment and Natural Resources-Provincial Environment and Natural Resources (DENR-PENRO) was established some time on January, 1989 at the Old Capitol Building, Patin-ay, Prosperidad, Agusan del Sur.

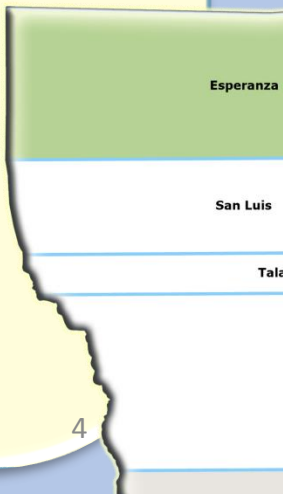
With the invitation of the Provincial Government to the national agencies to occupy the available office spaces within the Capitol compound, the PENR Office was transferred on January, 1991 to the New Capitol Building situated within the Government Center, Patin-ay, Prosperidad, Agusan del Sur.

In the beginning, PENRO-Agusan del Sur was composed of five (5) Community Environment and Natural Resources (CENROs) with its respective coverage municipalities of jurisdiction, namely: **CENRO Bayugan** (*Esperanza, Bayugan and Sibagat*), **CENRO Bunawan** (*Sta. Josefa, Bunawan and Trento*), **CENRO Loreto** (*Loreto and Veruela*), **CENRO San Francisco** (*Rosario, San Francisco and Prosperidad*), and **CENRO Talacogon** (*San Luis, Talacogon and La Paz*).

Pursuant to the implementation of approved Rationalization Plan of the DENR agency per Executive Order No. 366, PENRO-Agusan del Sur has now composed of four (4) CENROs under its area of jurisdiction due to abolition of CENRO San Francisco. Municipalities under CENRO San Francisco's area coverage are distributed to adjacent CENR Offices Bayugan and Bunawan.

Map showing the original area coverage of five (5) CENROs of ADS before Implementation of Rationalization Plan

-  CENRO Bayugan
-  CENRO Bunawan
-  CENRO Loreto
-  CENRO San Francisco
-  CENRO Talacogon



By the virtue of Executive Order (E.O.) No. 366, series of 2014, PENRO, Agusan del Sur is composed of four (4) CENROs :

- **CENRO Bayugan**

- Bayugan - (43 Barangays)
- Esperanza - (47 Barangays)
- Prosperidad - (32 Barangays)
- Sibagat - (24 Barangays)

- **CENRO Bunawan**

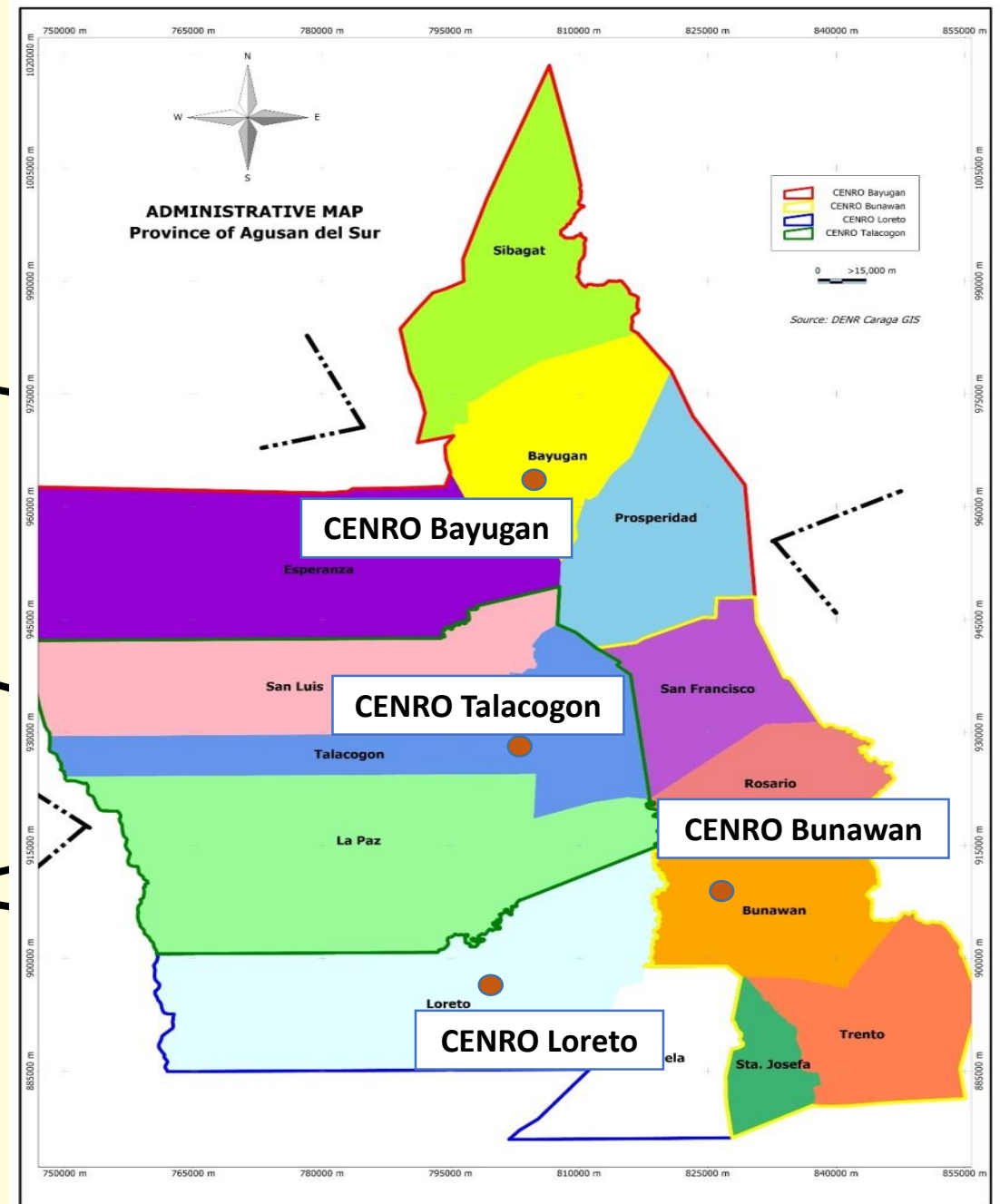
- Bunawan - (10 Barangays)
- Rosario - (11 Barangays)
- San Francisco - (27 Barangays)
- Sta. Josefa (11 Barangays)
- Trento – (16 Barangays)

- **CENRO Loreto**

- Loreto - (17 Barangays)
- Veruela - (20 Barangays)

- **CENRO Talacogon**

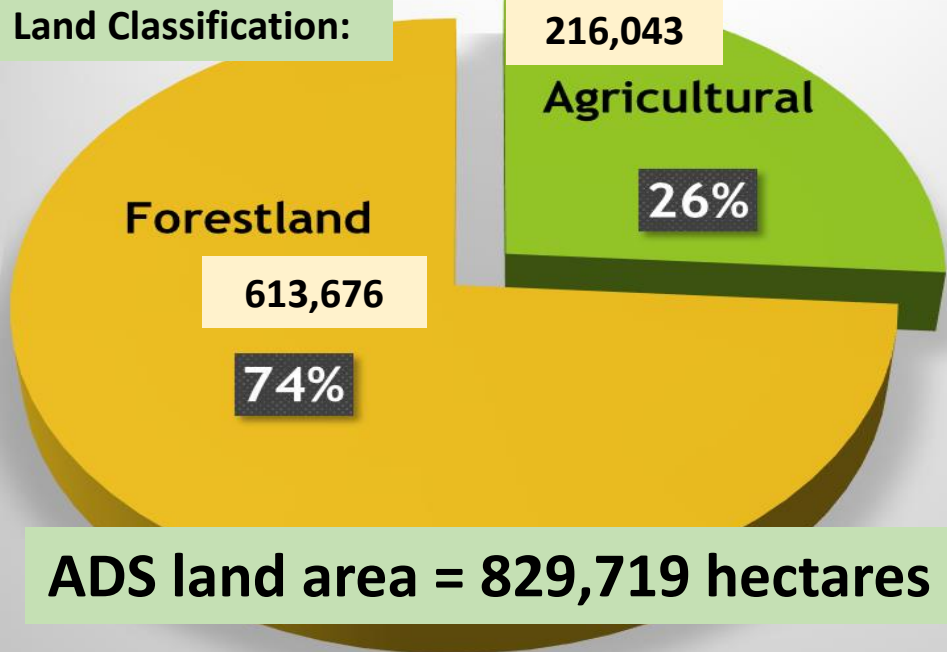
- La Paz – (15 Barangays)
- San Luis – (25 Barangays)
- Talacogon – (16 Barangays)



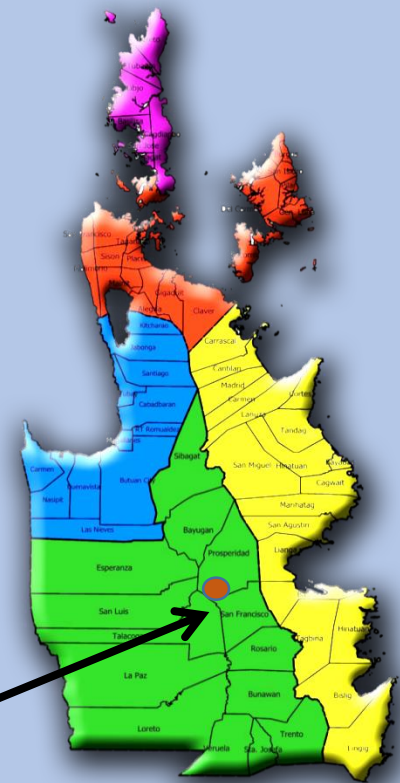
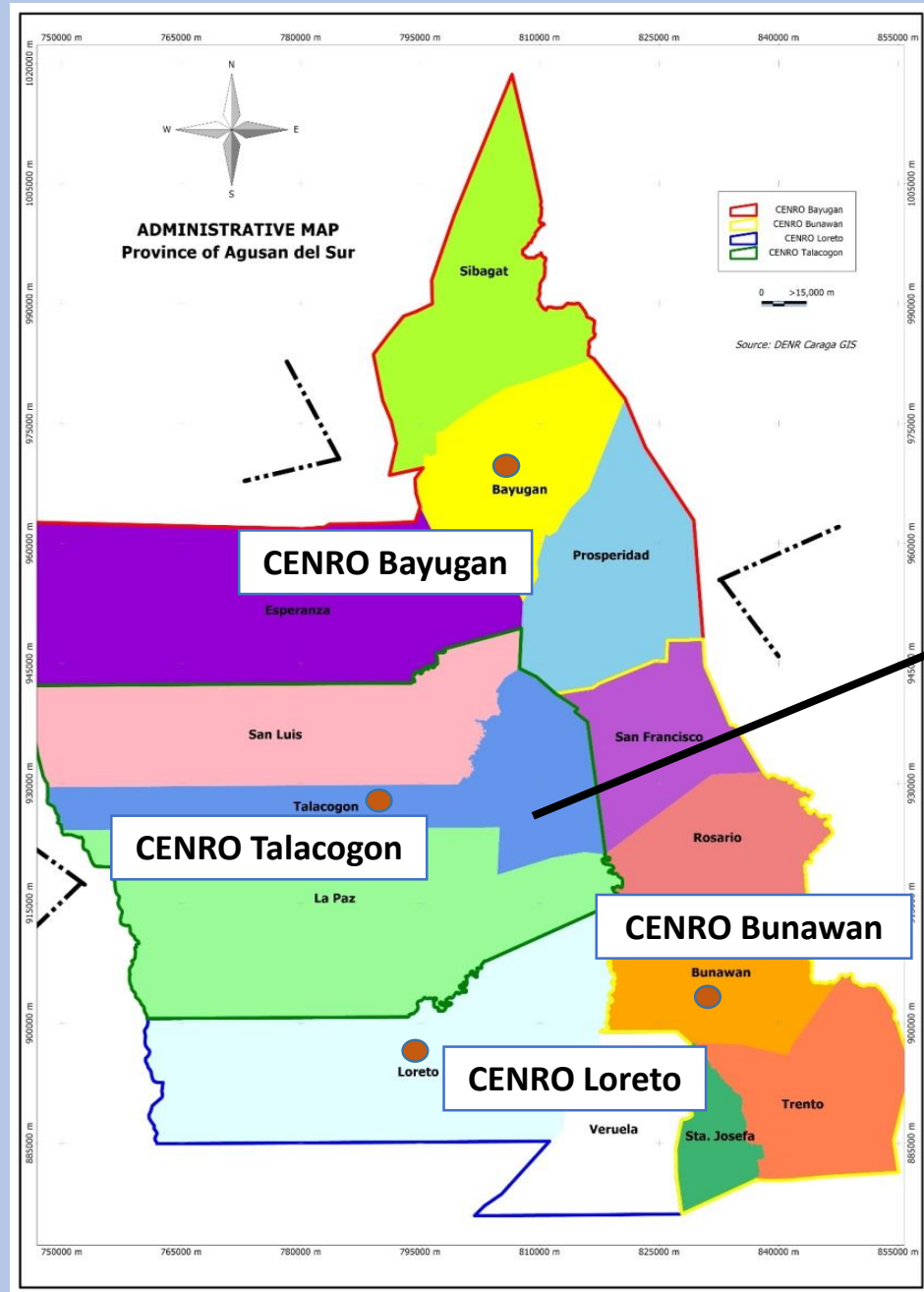
C. Juridical Area

Congressional District	2
Municipalities	13
Cities	1
Barangays	314
Population (May, 2010 Census)	656,418
Number of Households (May, 2010 Census)	133,985
Population Growth Rate	1.61%

Land Classification:



ADS land area = 829,719 hectares



• *Agusan del Sur is around 43% (829,719 has.) of the Caraga Region's total land area. Having 46% (613,676 has.) of the total timberland and 37% (216,043 has.) of the total Agricultural land area of the whole Caraga Region.*

II. BIOPHYSICAL RESOURCES

A. Geographical Location and Accessibility

Agusan del Sur is a landlocked province bounded in the north by Agusan del Norte, on the east by Surigao del Sur, on the south by Davao del Norte, and on the west by Misamis Oriental and Bukidnon. It is situated in Northern Mindanao within the grid square of 7°55'57" - 9°00' latitude and 125°15' - 126°15' longitude.

The Provincial Environment & Natural Resources Office (PENRO) in Agusan del Sur is based at the Government Center of Patin-ay, Prosperidad, Agusan del Sur. Originally, it has five (5) Community Environment & Natural Resources Offices (CENROs) strategically located at the municipalities of Bayugan, Bunawan, Loreto, San Francisco, and Talacogon. These Offices are accessible through land transportation. However, CENRO Loreto can also be reached via pump boat through the Simulao and Agusan River via Bunawan Wharf.

Based on DENR Caraga GIS record, Agusan del Sur has total land area of 829,719 hectares. Its area is equivalent to 43% of the region's total area. Of the four (4) CENROs, CENRO Bayugan has the largest area of responsibility of 32% (figure 1).

Area distribution shown in Figure 1 is the result of the implementation of the Rationalization Plan of the department through Executive Order No. 366.

Seventy four percent (74%) of the total land area of the province is forestland, while the remaining twenty-six percent (26%) is certified Agricultural land (figure 2). There was no declared mineral land in the province but presently, there are areas that are rich in minerals and are utilized as mining site.

Map showing the adjacent provinces of Agusan del Sur

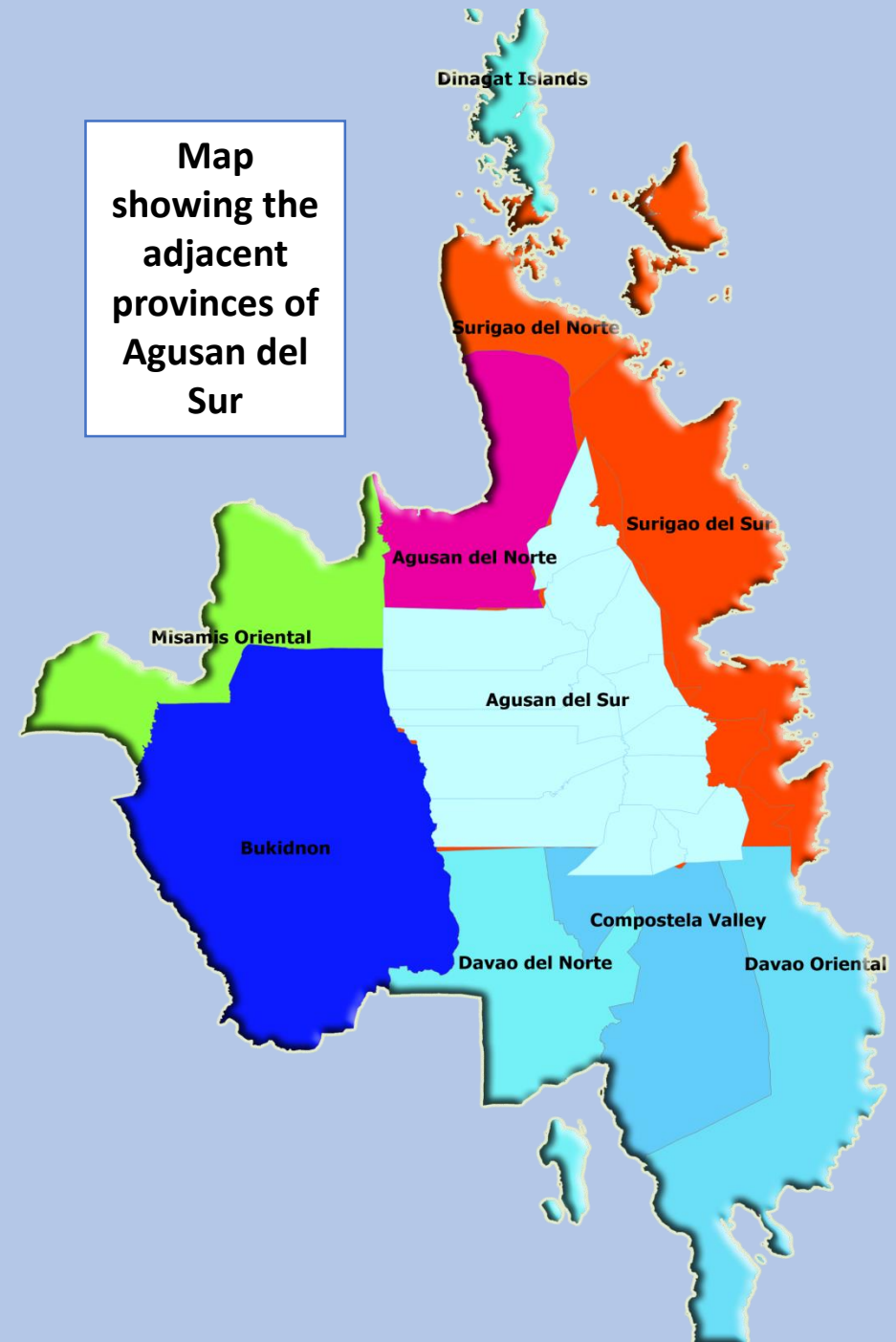


Table 1. Land Area & Classification by District/Municipality

CENRO/ Municipality	A & D (ha.)	Forestland (ha.)	Total Area (ha.)	%
Agusan del Sur Total	216,043	613,676	829,719	100%
District 1	92,677	307,129	399,806	48%
CENRO Talacogon	22,317	113,966	136,283	16%
<i>San Luis</i>	10,030	67,380	77,410	9%
<i>Talacogon</i>	12,287	46,586	58,873	7%
CENRO Bayugan	70,360	193,163	263,523	32%
<i>Bayugan City</i>	17,085	27,658	44,743	5%
<i>Esperanza</i>	25,218	86,212	111,430	13%
<i>Sibagat</i>	3,715	52,909	56,624	7%
<i>Prosperidad</i>	24,342	26,384	50,726	6%
District 2	123,366	306,547	429,913	52%
CENRO Talacogon	14,305	107,223	121,528	15%
<i>La Paz</i>	14,305	107,223	121,528	15%
CENRO Bunawan	37,968	61,548	166,833	20%
<i>Bunawan</i>	13,256	30,816	44,072	5%
<i>Trento</i>	16,954	24,653	41,607	5%
<i>Sta. Josefa</i>	7,758	6,079	13,837	2%
<i>San Francisco</i>	19,818	13,313	33,131	4%
<i>Rosario</i>	12,171	22,015	34,186	4%
CENRO Loreto	39,104	102,448	141,552	17%
<i>Loreto</i>	24,330	78,939	103,269	12%
<i>Veruela</i>	14,774	23,509	38,283	5%

CENRO	Agricultural (ha.)	Forestland (ha.)	Total Area (ha.)
PENRO - Total	216,043	613,676	829,719
CENRO Talacogon	36,622	221,189	257,811
CENRO Bayugan	70,360	193,163	263,523
CENRO Bunawan	69,957	96,876	166,833
CENRO Loreto	39,104	102,448	141,552

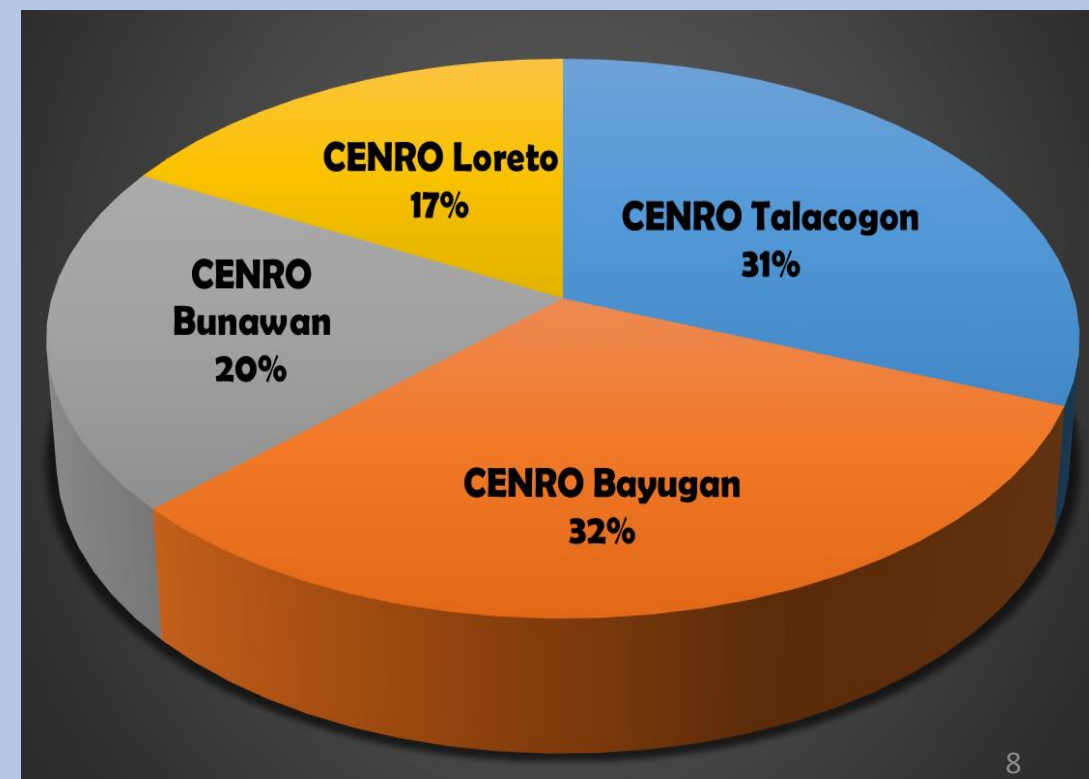


Table 2. Land Cover

LAND COVER TYPE	Agusan del Sur	CENRO Bayugan	CENRO Bunawan	CENRO Loreto	CENRO Talacogon
ADS TOTAL	829,719	263,523	166,833	141,552	257,811
FOREST	613,676	193,163	96,876	102,448	221,189
Closed Forest	84,772	25,873	4,250	22,068	32,581
Open Forest	528,904	167,290	92,626	80,380	188,608
NON-FOREST					
Built-up	216,043	70,360	69,957	39,104	36,622
Cultivated Annuals	9,165	4,624	3,518	296	727
Cultivated Perennials	55,235	22,730	20,309	7,037	5,159
Natural Grasslands	34,194	5,071	26,068	1,308	1,747
Wooded Grasslands	9,435	5,044	2,947	366	1,078
Brushlands	47,217	17,060	5,032	16,673	8,452
Barren Land	41,917	11,369	6,070	6,567	17,911
Inland Water	526	415	89	19	3
Other Lands	10,353	4,047	2,719	2,042	1,545

* 2010 Land Cover Data & Map released by NAMRIA

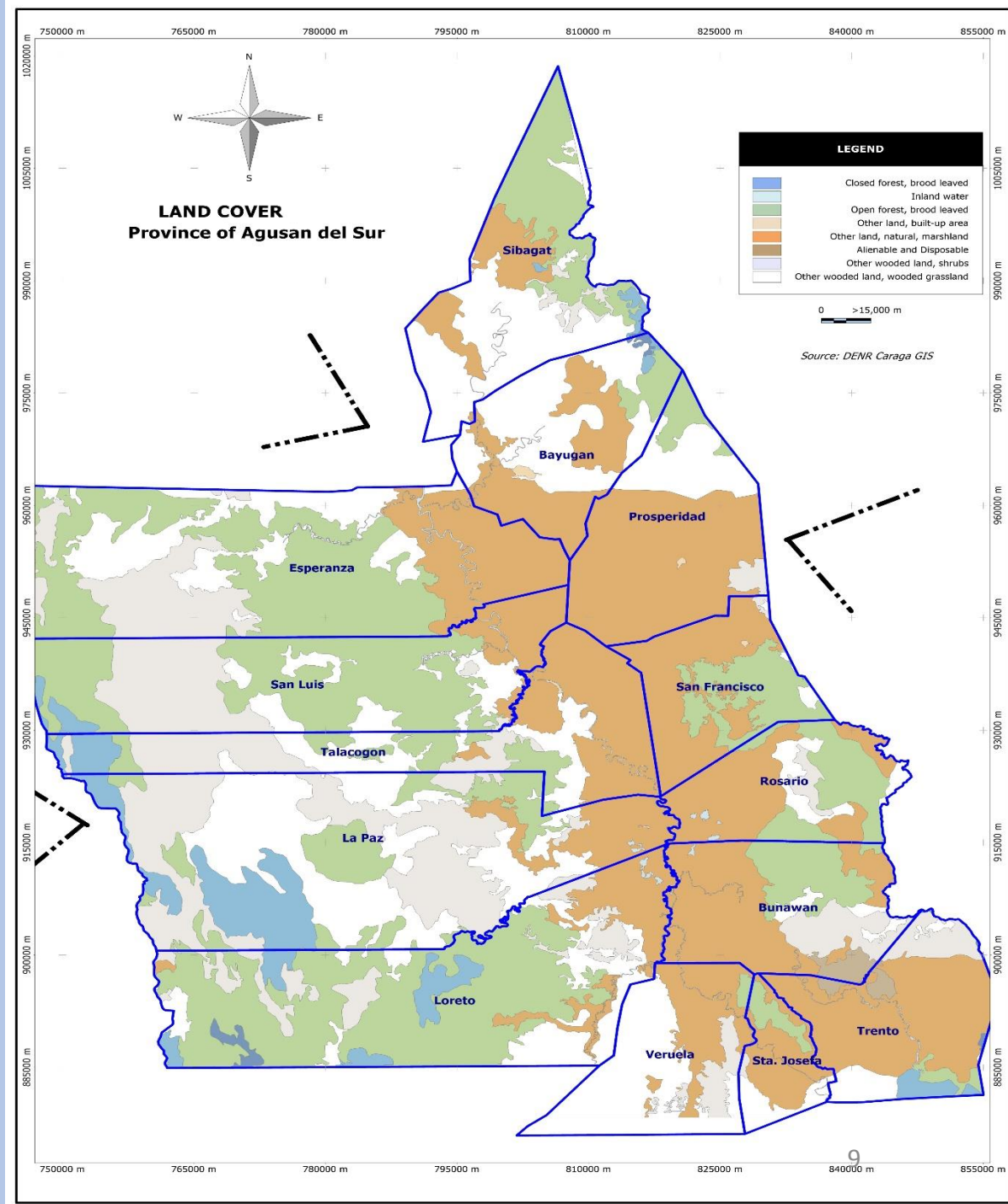


Table 3. Status of Forestlands

Province/CENRO	Total	%	Forestland Area (hectare)	
			Protection	Production
Agusan del Sur (Total)	613,676	100%	177,706	435,970
CENRO Bayugan	193,163	31%	52,202	140,961
CENRO Bunawan	96,876	16%	21,533	75,343
CENRO Talacogon	221,189	36%	89,711	131,478
CENRO Loreto	102,448	17%	14,260	88,188

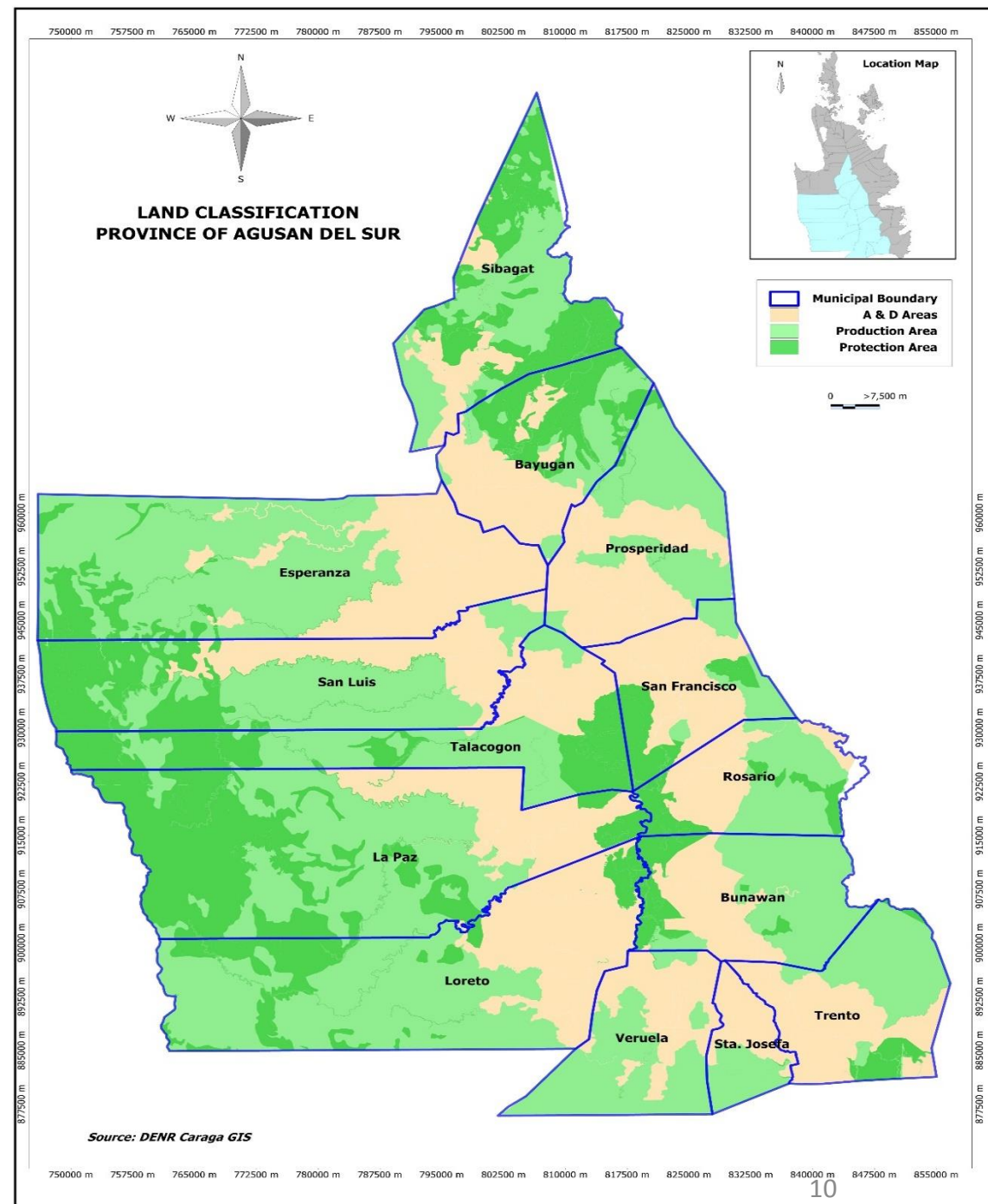
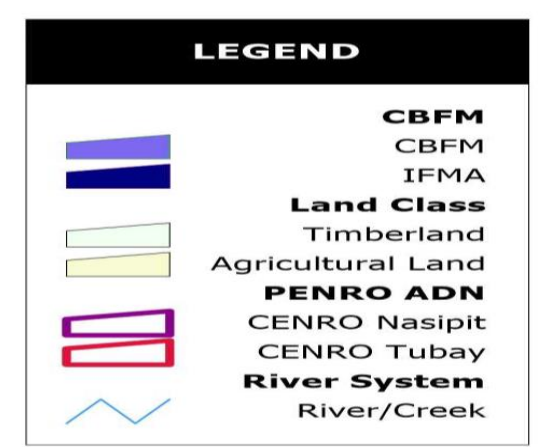
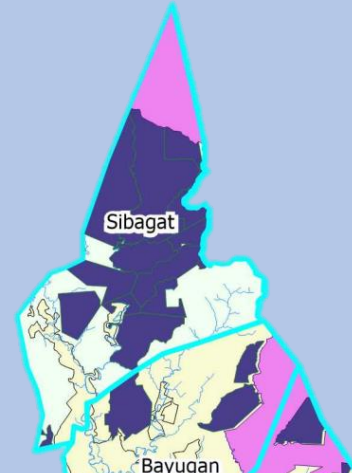


Table 4. Tenurial Instruments Issued by DENR



OFFICE	FORESTLAND	CBFMA		SIFMA		IFMA		CPA		CSC		TENURED	UNTENURED	% FL
		No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)			
Agusan del Sur	613,676	33	74,763		220	7	82,185	1	172,124	4,333	10,633	339,925	273,751	55.39%
CENRO Bayugan	193,163	23	50,847							1,923	4,486	55,333	137,830	28.65%
CENRO Talacogon	221,189	2	16,084	1	220	5	63,458	1*	92,670			172,432	48,757	77.96%
CENRO Bunawan	96,876	5	3,684			1	12,727			1,852	5,313	21,723	75,153	22.42%
CENRO Loreto	102,448	3	4,148			1	6,000		79,454	558	834	90,436	12,012	88.28%

**only 1 MPSA but almost half of the area also landed at the Municipality of Loreto*

Table 5. Community –based Forest Management Agreement (CBFMA)

CENROs	Total Number of CBFMAs	Total Area (has)	Total Number of Members	Total Number of Beneficiaries	Remarks
PENRO Total	33	74,763.00	6,725	28,742	
Bayugan	23	52,847.00	4,636	19,419	
Bunawan	5	3,684.00	579	4,970	
Loreto	3	4,148.00	986	2,201	
Talacogon	2	16,084.00	524	2,152	

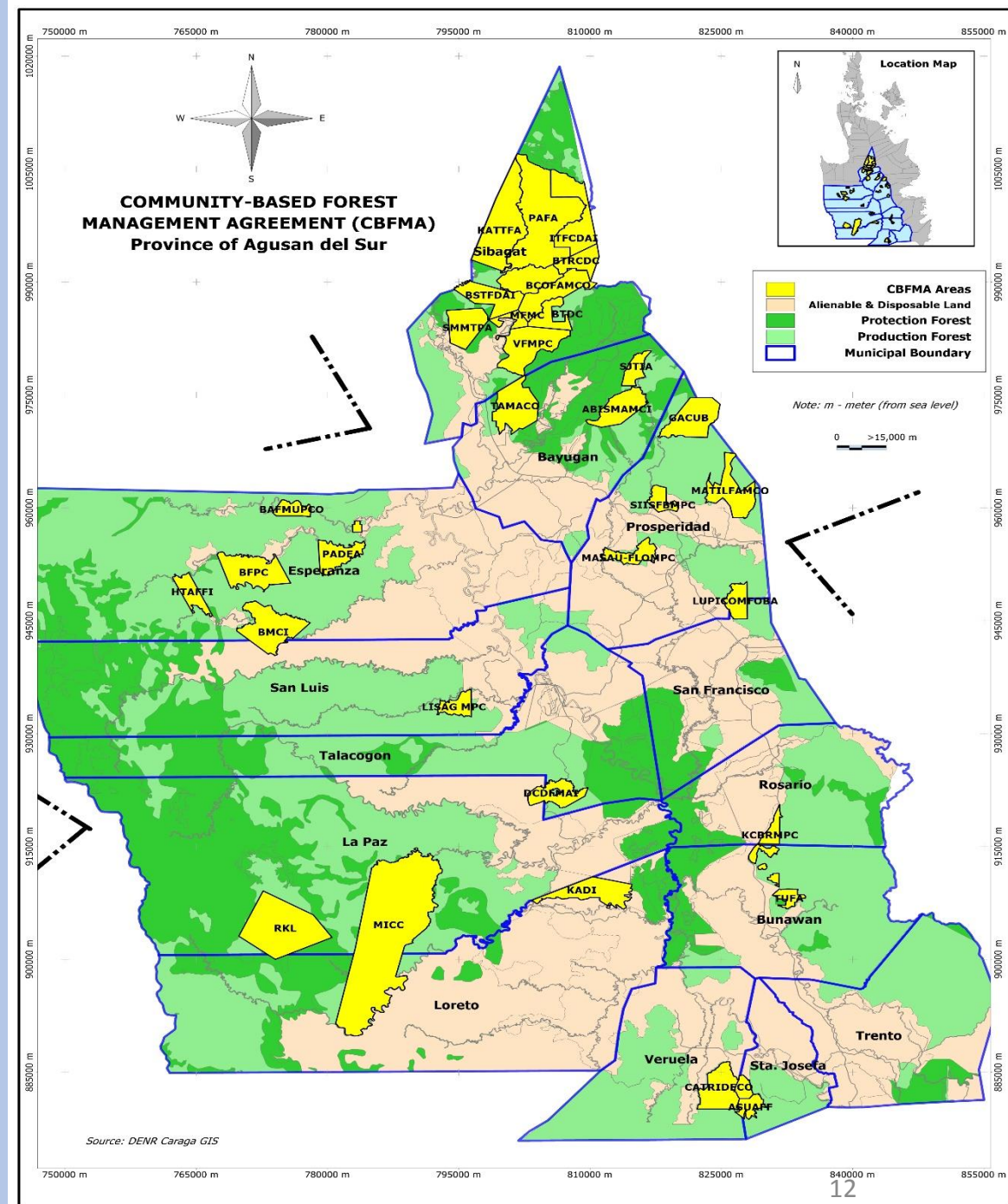


Table 6. List of Community-Based Forest Management [CBFM]

CBFM Holder	Location	Chairperson	CBFM Registration			Total Project Area (has.)
			Number	Date Issued	Date Expired	
Agusan del Sur (33)						
CENRO Bayugan (23)						
1. Padiay Agro-farmers Association (PAFA)	Brgy. Padiay, Sibagat, ADS	Arpilio B. Basao	74002	12/29/1999	1/24/2024	6,977.00
2. Kalambuan Tribal Tree Farmers Association (KATTFA)	Brgy. Kolambugan, Sibagat, ADS	Salvador J. Dequito	74003	1/24/2000	1/24/2025	5,125.00
3. Bagani Tribal Returnees Community Dev't. Association Inc (BTRCDAI)	Brgy. Bantolinao, Padiay, Sibagat, ADS	Arnold M. Acebedo	71003	1/12/1999	5/16/2026	1,204.60
4. Perez-Sibagat Tribal Development Farmers Association (PESTRIDEFA)	Brgy. Perez, Sibagat, ADS	Delfin I. Fabial	71004	1/19/1999	1/14/2024	1,750.00
5. Brgy. Sta. Cruz Tribal Farmers Development Association, Inc. (BSTFDAI)	Brgy. Sta. Cruz, Sibagat	Narciso B. Mabandos	71002	2/19/1999	2/19/2024	2,162.02
6. Banag-banag Community Farmers Multi-purpose Coop. (BCPFAMCO)	Brgy. Banag-banag, Sibagat, ADS	Benedicto B. Marcelino	71008	2/19/1999	2/19/2024	3,845.00
7. Magsaysay Farmers Multi-purpose Coop (MFMPC)	Brgy. Magsaysay, Sibagat, ADS	Ferdinand Silag Guinsod	71010	8/5/1999	8/5/2024	2,029.00
8. Sta. Maria Magkalape Tree Planters Association (SMMTPA)	Brgy. Sta. Maria, Sibagat, ADS	Jovito Agua	71011	3/9/1998	11/18/2023	1,880.00
9. Banag-banag Tribal Development Association (BBATRIDA)	Brgy. Banag-banag, Sibagat, ADS	Ruel Comcom	71015	6/7/1999	6/7/2024	795.75
10. Bunaguit Farmers Producers Cooperative (BFPC)	Brgy. Bunaguit, Esperanza, ADS	Leonida P. Manpatilan	71006	9/28/1999	2/19/2026	2,150.00
11. Tagubay, Mahayag, Cortez Cooperative (TAMACO)	Brgy. Tagubay, Mahayag and Claro Cortes, Sibagat, ADS	Pedro C. Satago, Jr.	71014	3/18/1999	3/26/2024	2,590.00
12. Bakingking Farmers Multi-purpose Co. (BAFMUPCO)	Brgy. Bakingking, Esperanza, ADS	Janifer H. Aya	71012	4/13/1999	5/26/2025	699.99

Table 6. List of Community-Based Forest Management [CBFM] cont....

CBFM Holder	Location	Chairperson	CBFM Registration			Total Project Area (has.)
			Number	Date Issued	Date Expired	
Agusan del Sur (33)						
CENRO Bayugan (23)						
13. Iligan Tribal Farmers Community Dev't. Association (PADEA)	Brgy. Milagros, Esperanza	Angelito S. Balili	71016	9/13/2000	9/13/2025	1,597.97
14. Association of Bisaya Manobo of Mt. Carmel, Inc. (ABISMAMCI)	Brgy. Mt. Carmel, Bayugan City. ADS	Ruel A. Bayong	71017	11/16/2000	5/30/2025	1,909.00
15. Higaonon Tribe Agro-Forestry Foundation Inc. (HITAFFI)	Brgy. Salug, Esperanza, ADS	Alfredo S. Manpatilan	71022	3/2/2002	3/18/2023	1,002.00
16. San Juan Tribal Association (SJTIA)	Brgy. San Juan, Bayugan City, ADS	Jovencia Sag-od	71023	7/3/2002	7/3/2027	767.00
17. Banwaon Magsasaka Community, Incorporated (BMCI)	Brgy. Tagbalili, Esperanza, ADS	Amy C. Mancognahan	71002	9/18/1998	9/18/2023	3,197.99
18. Iligan Tribal Farmers Community Dev't. Association Incorporated (ITFCDAI)	Brgy. Padiay, Sibagat, ADS	Julius C. Mabandos	71005	12/31/1998	12/31/2023	2,639.75
19. San Isidro Villangit Agrofarmers Association (SIVAFA), Inc.	Brgy. San Isidro & Villangit, Sibagat, ADS	Carlos G. Mandag	71029	12/18/1999	12/18/2027	2,909.00
20. Mabuhay Timberland Farmers Multi-purpose Cooperative ()	Brgy. Mabuhay, Prosperidad, ADS	Leonardo S. Morgadez	71001	5/5/1998	5/5/2023	2,115.00
21. MASAU (Mapaga, Sta. Maria, Aurora) - Forestland Occupants Association (MASAU-FOA)	Brgy. Mapaga, Sta. Maria, Aurora, Prosperidad, ADS	Florentino P. Mabras, Jr.	71013	3/1/1999	3/1/2024	1,070.62
22. Sta. Irene ISF Beneficiaries Multipurpose Coop	Brgy. Sta. Irene, Prosperidad, ADS	Isabelo Perigreno	71020	12/29/2000	12/29/2025	1,212.00
23. Gacub Settlers Multi-purpose Cooperative	Brgy. Gacub Purisima, Prosperidad, ADS	Alfredo Perez	71031	1/14/2000	1/14/2025	14 2,400.00

Table 6. List of Community-Based Forest Management [CBFM] cont....

CBFM Holder	Location	Chairperson	CBFM Registration			Total Project Area (has.)
			Number	Date Issued	Date Expired	
Agusan del Sur (33)						
CENRO Bunawan (5)						
1. Bunawan upland farmers producers Cooperative	Brgy. San Andres & Consuelo, Bunawan, ADS	Alberto o. Prado, Jr.	71019	7/31/2002	7/31/2027	1,037.00
2. Sayon Agro-forestry Federated Farmers Association (SAFFFAI)	Brgy. Sayon, Sta. Josef, ADS	Amado B. Rojas	71026	12/18/2002	12/18/2027	435.00
3. Awao Sustainable Upland Agricultural & Forestry Farmers Federation (ASUAFFF)	Brgy. Awao Sta. Josefa, ADS	Arnold B. Dagasohan	71027	12/18/2002	12/18/2027	692.00
4. Lucac Pilot Com. Forest Occupants Beneficiaries Association (LUPICOMFOBA)	Brgy/ Lucac, San Francisco, ADS	Dionesy G. Maguinda	71018	12/18/2000	12/18/2025	1,000.00
5. Kalingayan Com. Resource-based Multi-Purpose Cooperative (KCRBMPC)	Bgy. Kalingayan, Rosario, ADS	Joselito Serrano	71032	2/1/2006	2/1/2033	562
CENRO Loreto (3)						
1. Tugpan Tribal Farmers Producers Cooperative (TUTRIFAPCO)	Brgy. Sampaguita, Sonubong, Veruela, ADS	Ruperto M. Bacudan	71025	11/19/2003	11/19/2027	1,740.00
2. WAMVIPO Agrofirestry Dev't. Association Inc. (WAMVIPO)	Brgy. Waloe, Violanta Magaud, Maitom & Poblacion, Loreto, ADS	Iñego Q. Angwas, Jr.	71030	4/1/2003	4/1/2028	2,278.00
3. Tuya-tuya Tribal Farmers Producers Cooperative (TTFPC)	San Vicente, Loreto, ADS	Artemio U. Tawide	710024	11/20/2002	11/20/2027	130.00
CENRO Talacogon (2)						
1. Desamparados Community Development & Forest Management Association Inc	Brgy. Desamparados, Talacogon, ADS	Fernando M. Tambis	71009	5/19/2000	5/19/2025	1,474.15
2. Manobo Tribal Indigenous Cultural Community (MICC)	Brgy. Kasapal-II, La Paz, Loreto, ADS	Felizarte Torres/ Datu Tagilong	74006	12/18/2002	12/18/2026	14,610.0

Table 7. Integrated Forestry Management Agreement (IFMA)

PERMITTEE	IFMA No.	Area (has)	Date Issued	Expiry Date	Location
Agusan del Sur (7)		82,185			
CENRO Talacogon (5)		63,458			
1 Casilayan Softwood Development Corp.	2008-03	5,000	1-Jan-09	1-Jan-34	Mahayahay, San Luis
2 Royal Match, Inc.	R10-94-019	5,500	25-Mar-92	31-Dec-17	Comota, La Paz
3 Royal Match, Inc.	R10-94-09	1,000	8/11/1994	6/30/2019	Loreto and La Paz
4 Provident Tree Farm, Inc.	R10-94-01	20,770	14-Oct-91	13-Dec-16	San Luis and La Paz
5 WDI	09-2007	31,188	27-Jul-07	27-Jul-32	Talacogon, San Luis Agusan Sur and Bukidnon
CENRO Loreto (1)		6,000			
1 Extensive Wood Processing Corp.	23	6,000	15-Jun-92	31-Dec-17	Kasapa, Loreto
CENRO Bayugan (1)		12,727			
1 Casilayan Softwood Development Corp.	007-2006	12,727	8-Jan-07	31-Dec-31	Prosperidad, Bayugan

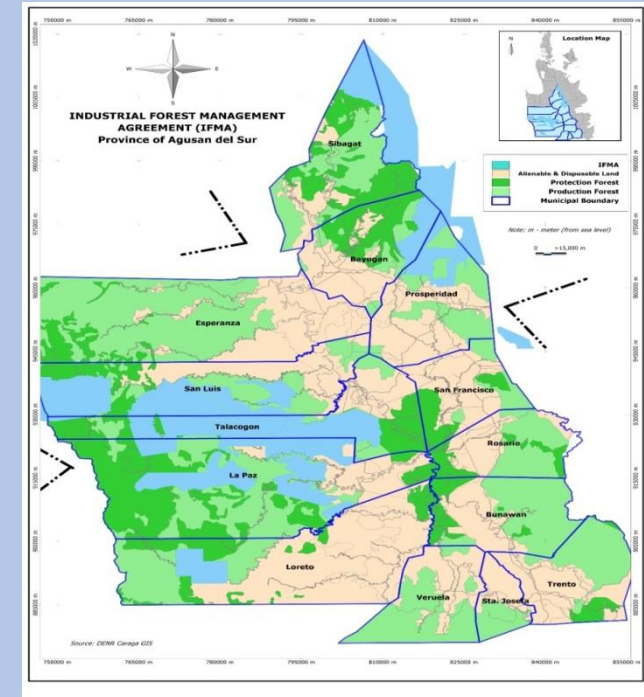


Table 8. Socialized Integrated Forestry Management Agreement (SIFMA)

Licensee/Permit No./Location	Location	SIFMA No.	Date Issued	Area (has.)	Remarks
1. Espia Agro-industrial Development Corporation	Sitio Salvador, Brgy. Nato, Esperanza, Agusan del Sur	13-001 and 13-002	October 29, 1997	1,000	Cancelled per Memorandum of then RED Benjamin Tumaliaun dtd Dec. 11, 2007
2. LGU-San Luis, Agusan del Sur	San Luis, Agusan del Sur	06-2009	June 23, 2009	220	Existing

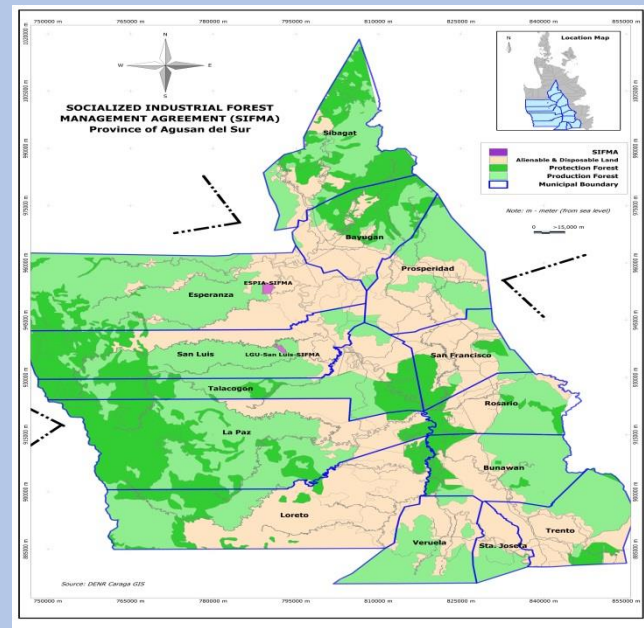


Table 9. List of CADTs within Agusan del Sur issued by NCIP

No.	CADT No.	Sub-basin	Date Approved	Population	Area (ha)	Tribes
Agusan del Sur (Total)				36,175	248,576.20	
1.	CADT 093	Wawa-Andanan	11/13/2008	6,435	51,207.62	Manobo
2.	CADT 079	Adgaoan, Casilayan, Maasam and Ojot	9/3/2008	2,689	25,895	Banwaon
3.	CADT 117	Adgaoan and Umayam	<i>No data</i>	3,000	67,577.95	Manobo
4.	CADT 077	Agusan Marsh	9/3/2008	3,439	13,969.2	Manobo
5.	CADT 142	Agusan Marsh	12/21/2009	341	1,971.62	Manobo
6.	CADT 090	Agusan Marsh	11/7/2008	2,841	5,020.01	Manobo
7.	CADT 078	Solibao	9/3/2008	3,690	22,581.33	Mandaya-Mansaka
8.	CADT 089	Ihaoan and Lugom-Baobo	11/7/2008	5,304	30,453.77	Manobo
9.	CADT 136	Solibao and Agusan Marsh	9/23/2009	8,436	29,899.7	Manobo

A total of nine (9) Certificate of Ancestral Domain Titles (CADT) are approved and existing within Agusan del Sur

Source: NCIP, Province of Agusan del Sur

Table 10 . List of Validated/On-process/For Issuance of CADT

No.	Name/Place	Sub-basin	Tribes
1.	Bayugan	Wawa-Andanan	Manobo
2.	Mahagsay, San Luis	Maasam	Banwaon/ Talaandig
3.	Talacogon BKMK	Minor/Lam-awan	Manobo
4.	Talacogon LUKAK	Minor/Lam-awan	Manobo
5.	Prosperidad	Gibong	Manobo
6.	San Francisco	Gibong	Manobo
7.	Trento	Simulao	Manobo
8.	Rajah Cabangsoan	Simulao	Manobo

A total of eight (8) applications for issuance of Certificate of Ancestral Domain Titles (CADT) are already validated and on-process at the NCIP Central Office.

Source: NCIP, Province of Agusan del Sur

III. ECONOMIC ACTIVITIES

Table 11. Wood Processing Plants [WPP]

Office	No. of WPPS	REMARKS
PENRO Agusan del Sur	18	
Bayugan	5	
Bunawan	3	1 -closed
Loreto	1	
Talacogon	9	

No.	Name of Establishment	Proprietor	Permit No.	Date Issued	Expiry Date
CENRO Bayugan (5)					
1	EW Dakutan Resources Corporation, Brgy. Dakutan, Esperanza, ADS	Luisito F. Chao	RXIII-15-2015 (<i>Integrated</i>)	February 12, 2015	February 12, 2016
2	ELMO Corporation, P-1, Mabuhay, Bayugan, ADS	Mo-il Lee	RXIII-73-2015 (<i>Mini-sawmill and Veneer Manufacturing</i>)	Nov. 3, 2015	Nov. 3, 2018
3	Hantex Manufacturing Corporation, Brgy. Canayugan, Bayugan City, ADS	Philip Hao	RXIII-50-2015 (<i>integrated</i>)	July 21, 2015	July 16, 2016
4	Casilayan Softwood Development Corporation, Sta. Maria, Prosperidad, ADS	Januario N. Lapeciros	R13-04—2012 (<i>Veneer with mini-sawmill component</i>)	Oct. 15, 2012	Oct. 15, 2015
5	San Salvador Softwood Products, incorporated, San Salvador, Prosperidad, ADS	Tan Yee Tee	R13-18-2014 (<i>Veneer with mini-sawmill component</i>)	Sept. 18, 2014	Sept. 18, 2015
CENRO Bunawan (3)					
1	Wood Station Corporation, Brgy. San Ignacio, Trento, ADS	Edwin E. So	R13-41-2014 (<i>Veneer with mini-sawmill component</i>)	Oct. 31, 2014	Oct. 31, 2017
2	Sta. Josefa Aces Lumber and Veneering Plant, Patrocinio, Sta. Josefa, ADS	Cornelio S. Caguiat	R13-77-2015 (<i>Veneer with mini-sawmill component</i>)	Dec. 2, 2015	Dec. 18, 2018

No	Name of Establishment	Proprietor	Permit No.	Date Issued	Expiry Date
3	5C Lumber and Construction Supply, Purok 4, poblacion, Trento, ADS	Alicia M. Cagnaan	WV-R13-01-2013-ADS	March 13, 2013	March 4, 2014
CENRO Loreto (1)					
1	CPB Uorise Wood Ventures and Veneering Plant, Brgy. Don Mateo, Veruela, ADS	Erwin R. Hontiveros	R13-06-2014	Sept. 4, 2014	Sept. 4, 2017
CENRO Talacogon (9)					
1	Casilayan Softwood Development Corporation, Labnig, Talacogon, ADS	Jose A. Yap, Jr	VS-R13-01-010120340ADS (IWPP)	Jan. 12, 2010	Jan. 12, 2034
2	Jig's Wood Industry, San Agustin, Talacogon, ADS	Jesryl Masendo	IWPP-R13-01-040142015-ADS (intergared)	April 15, 2014	April 15, 2015
3	Provident Tree Farms incorporated, Zillovia, Talacogon, ADS	Roberto T. Justo	WPPmp-R13-01-073020150ADS (Matchsplint)	July 31, 2014	July 30, 2015
4	Sinafal Sawmill Company, Inc., Tomalictic, Talacogon, ADS	Arturo G. Dee	WPPv-R13-02-04152015-ADS (Veneering) WPPrs-R13-01-041502015 (Regular saw-mill)	April 16, 2014	April 16, 2015
5	Mindahilla Mini-sawmill, Tomalictic, Talacogon, ADS	Amparo B. Plaza	WPPms-r13-04-1013-ADS (mini-sawmill)	Oct. 18, 2013	Oct. 17, 2014
6	Zillovia Community Wood Products Talacogon, Corp (formerly Zillovia Community Wood Products), Brgy. San Agustin, Talacogon, ADS	Conelio S. Caguiat (Pres & Gen. Mgr)	V-R13-04-042702014-ADS (veneer plant with mini-sawmill component)	April 27, 2011	April 26, 2014
7	Woodhouse Trade & Industry Corporation, Buena gracia, talacogon, ADS	Edwin E. So	IWPP-R13-03-2014 (veneer/plywood plant)	Sept. 2, 2014	Sept. 2, 2017
8	VZT Mini-sawmill and Lumber Supply, Zillovia, Talacogon, ADS	Mr. Vidal Z. Tutor	RXiii-28-2015 (mini-sawmill & veneering)	April 30, 2015	April 30, 2016
9	Talacogon Woodworks Inc., Brgy. San Agustin, Talacogon, ADS	Roldan V. Espiritu	WPP-R13-27-2015-ADS (Veneer)	April 30, 2015	April 30, 2016

Production and Disposition of Forest Products

Table 12. Timber/Log (cu.m.)

CENRO	Volume of logs produced (cu.m)	Pulpwood (cu.m.)	Type of License/Permit/Tenurial Instrument
2012	384,780.30	118,130.59	
CENRO San Francisco	140,958.55	-	PTPOC
CENRO Bunawan	-	39,939.61	PTPOC
CENRO Loreto	13,120.55	33,143.19	PTPOC
CENRO Talacogon	64,844.77	45,047.79	PTPOC, IFMA, ISF
CENRO Bayugan	165,856.43	-	ISF, PTPOC
2013	241,992.06	381,092.47	
CENRO San Francisco	47,814.51	104,709.70	PTPOC
CENRO Bunawan	12,606.54	29,757.71	PTPOC
CENRO Loreto	51,480.32	63,654.25	PTPOC
CENRO Talacogon	55,337.48	70,798.51	PTPOC
CENRO Bayugan	74,753.21	112,172.30	ISF, PTPOC
2014	136,097.29	344,009.64	
CENRO San Francisco	33,287.79	129,838.27	PTPOC, IFMA
CENRO Bunawan	201.1	5,544.31	PTPOC
CENRO Loreto	20,136.53	8,450.76	PTPOC
CENRO Talacogon	28,155.20	55,523.37	PTPOC, IFMA
CENRO Bayugan	54,316.67	144,652.93	ISF, PTPOC
2015	103,331.60	272,910.19	
PENRO Satellite Office (San Francisco)	16,756.79	139,552.29	PTPOC/CTPO, IFMA
CENRO Bunawan	-	2,655.85	PTPOC/CTPO
CENRO Loreto	26,793.63	14,538.58	PTPOC/CTPO
CENRO Talacogon	18,500.20	38,591.12	PTPOC/CTPO
CENRO Bayugan	41,280.98	77,572.35	PTPOC/CTPO
2016	124,811.18	227,672.44	
PENR Office	38,360.89	161,439.56	PTPOC/CTPO
CENRO Bunawan	-	1,481.74	PTPOC/CTPO
CENRO Loreto	18,267.01	37,622.41	PTPOC/CTPO
CENRO Talacogon	25,602.26	27,128.73	PTPOC/CTPO, ISF, IFMA, WRP/TA
CENRO Bayugan	42,581.02	-	PTPOC/CTPO, ISF, IFMA, WRP/TA
Total	991,012.43	1,343,815.33	

Table 13. Processed Wood Products

CENRO	Type				
	Lumber (bd.ft.)	Poles & Piles (cu.m.)	Veneer (cu.m.)	Bare core (cu.m.)	Other wood based panel
2012	3,662.50	272.15	35,812.45	980.34	
CENRO San Francisco	-	-	-	-	-
CENRO Bunawan	-	-	-	-	-
CENRO Loreto	-	-	512.16	-	-
CENRO Talacogon	3,165.50	-	17,882.85	980.34	-
CENRO Bayugan	496.77	272.15	17,417.44	-	-
2013	11,886.71	221.45	35,975.13	1,070.34	387.41
CENRO San Francisco	239.7	-	-	-	-
CENRO Bunawan	824.39	-	1,003.60	-	-
CENRO Loreto	-	-	487.68	-	-
CENRO Talacogon	4,587.08	-	20,530.48	1,070.34	41.21
CENRO Bayugan	6,235.51	221.45	13,953.37	-	346.2
2014	18,128.95	4,707.72	26,492.42	2,173.75	806.4
CENRO San Francisco	86.53	-	74.88	-	-
CENRO Bunawan	305.35	-	1,007.54	-	-
CENRO Loreto	618.5	-	5,407.38	-	-
CENRO Talacogon	8,546.54	399.72	12,356.03	2,173.75	806.4
CENRO Bayugan	8,572.03	4,308.00	7,646.59	-	-
2015	17,552.85	7,066.33	55,518.03	2,857.66	907.2
CENRO Bayugan	7,526.65	6,636.53	16,943.82	255.54	-
CENRO Bunawan	615.54	-	1,449.77	-	-
CENRO Loreto	573.9	-	6,288.94	-	-
CENRO Talacogon	8,744.24	429.8	27,664.14	2,602.12	907.2
PENRO Satellite Office (San Francisco)	92.52	-	3,171.36	-	-
2016	17,234.64	-	-	-	-
CENRO Bayugan	8,486.66	-	-	-	-
CENRO Bunawan	28.06	-	-	-	-
CENRO Loreto	192.74	-	-	-	-
CENRO Talacogon	8,464.96	-	-	-	-
PENRO Office	62.22	-	-	-	-
Total	68,465.65	12,267.65	153,798.03	7,082.09	2,101.01

REVENUE COLLECTION							
DENR-PENRO, AGUSAN DEL SUR							
From CY 2011 to CY 2015							
SECTOR	OFFICE	2011	2012	2013	2014	2015	Total
(A.03.a.1)	Total	7,099,198.56	3,883,825.61	3,418,728.15	3,255,747.30	9,038,819.90	26,696,319.52
1. Forest Charges	PENRO-AGUSAN DEL SUR	5,676,923.50	2,188,370.36	1,559,492.61	2,121,840.57	7,335,816.75	18,882,443.79
	PENRO (San Francisco Satellite Office)					975,874.60	975,874.60
	CENRO BUNAWAN	34,954.12					34,954.12
	CENRO LORETO	357,592.34		389,463.50	97,146.78	307,846.72	1,152,049.34
	CENRO TALACOGON	4,656,774.41	1,514,719.71	844,461.20	1,796,960.16	3,633,582.47	12,446,497.95
	CENRO BAYUGAN	627,602.63	673,650.65	325,567.91	227,733.63	2,418,512.96	4,273,067.78
	2. Other Fees	PENRO-AGUSAN DEL SUR	1,422,275.06	1,695,455.25	1,859,235.54	1,133,906.73	1,703,003.15
PENRO (San Francisco Satellite Office)		502,994.00	729,550.00	667,630.00	363,166.20	992,765.85	3,256,106.05
CENRO BUNAWAN		74,038.00	155,067.00	160,269.00	22,492.00	14,244.00	426,110.00
CENRO LORETO		166,437.81	157,391.00	335,958.22	129,827.69	127,500.00	917,114.72
CENRO TALACOGON		315,842.00	252,809.90	237,979.07	194,963.84	229,027.84	1,230,622.65
CENRO BAYUGAN		362,963.25	400,637.35	457,399.25	423,457.00	339,465.46	1,983,922.31

**IV – MAJOR
ACCOMPLISHMENTS FOR THE
PAST FIVE YEARS
2011-2015**

4.1. NATIONAL GREENING PROGRAM [NGP]

Table 14. Established NGP area from CY 2011-2016

Office	2011	2012	2013	2014	2015	2016	Total
Total	2,078.00	4,416.00	10,892.00	13,036.00	7,805.00	8,404.87	46,631.87
Bayugan	289.25	1,047.00	3,903.00	5,413.00	3,127.00	2,774.00	16,553.25
Bunawan	385	608	1,410.00	1,253.00	1,236.00	1,463.00	6,355.00
Loreto	421.25	850	2,527.00	2,254.00	1,588.00	2,432.00	10,072.25
Talacogon	295.5	883	811	969	528	1,735.87	5,222.37
San Francisco	687	1,028.00	2,241.00	3,147.00	1,326.00	-	8,429.00

Figure 2. Established NGP area, 2011-2016

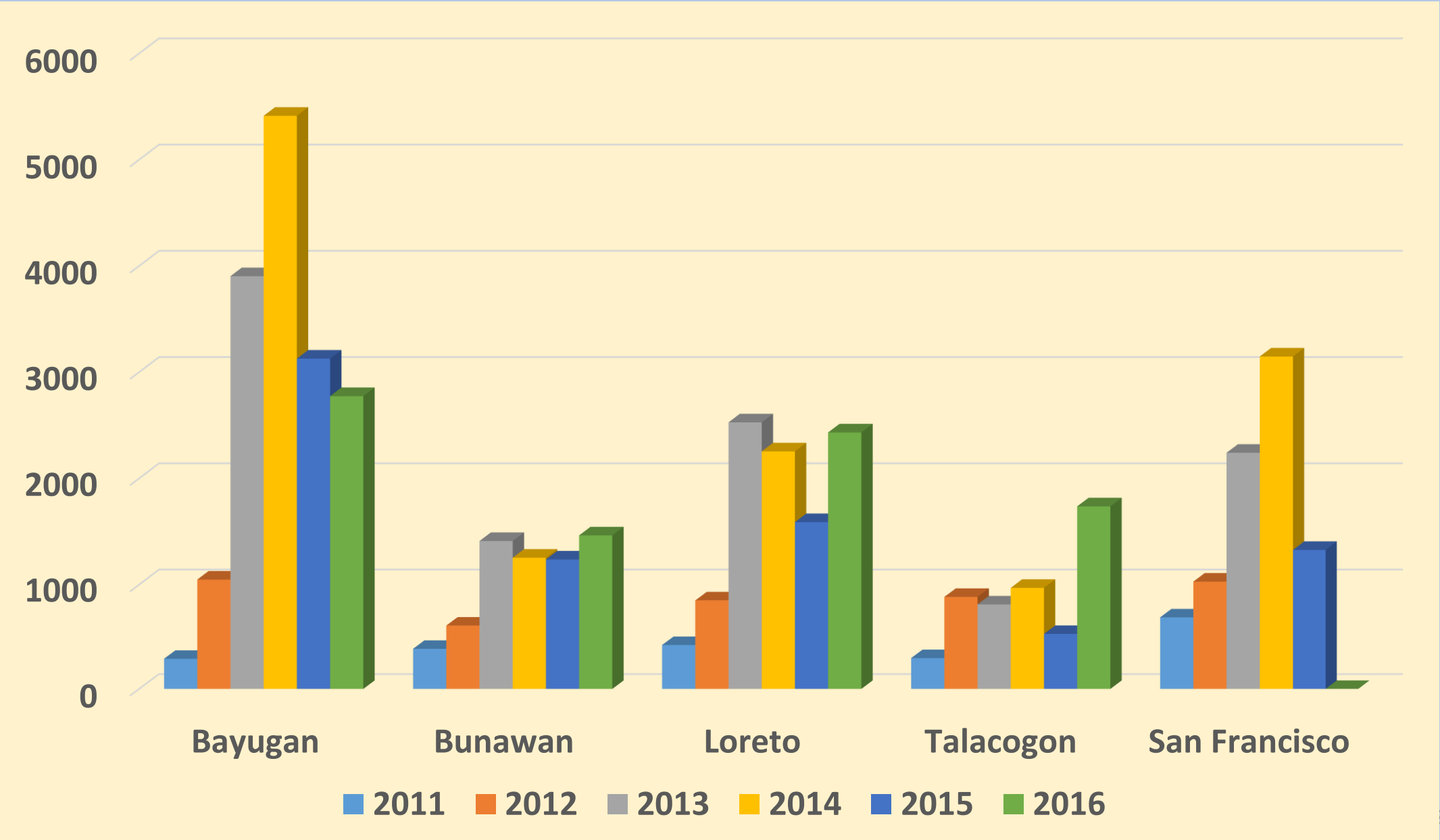


Table 15. No. of Seedlings Planted by Commodity

Office	No. of seedlings planted	%
Grand Total	34,116,744	
Bamboo	58,000	0.17%
Bangkal	17,400	0.05%
Cacao	554,470	1.63%
Coffee	666,971	1.95%
Endemic Species	2,000,000	5.86%
Falcata	21,872,138	64.11%
Fruit Trees	762,754	2.24%
Indigenous	4,398,713	12.89%
Rubber	3,608,446	10.58%
Mahogany	72,621	0.21%
Molave	3,756	0.01%
Narra	12,075	0.04%
To-og	23,000	0.07%
Bakan	900	0.00%
Ipil-ipil	65,500	0.19%

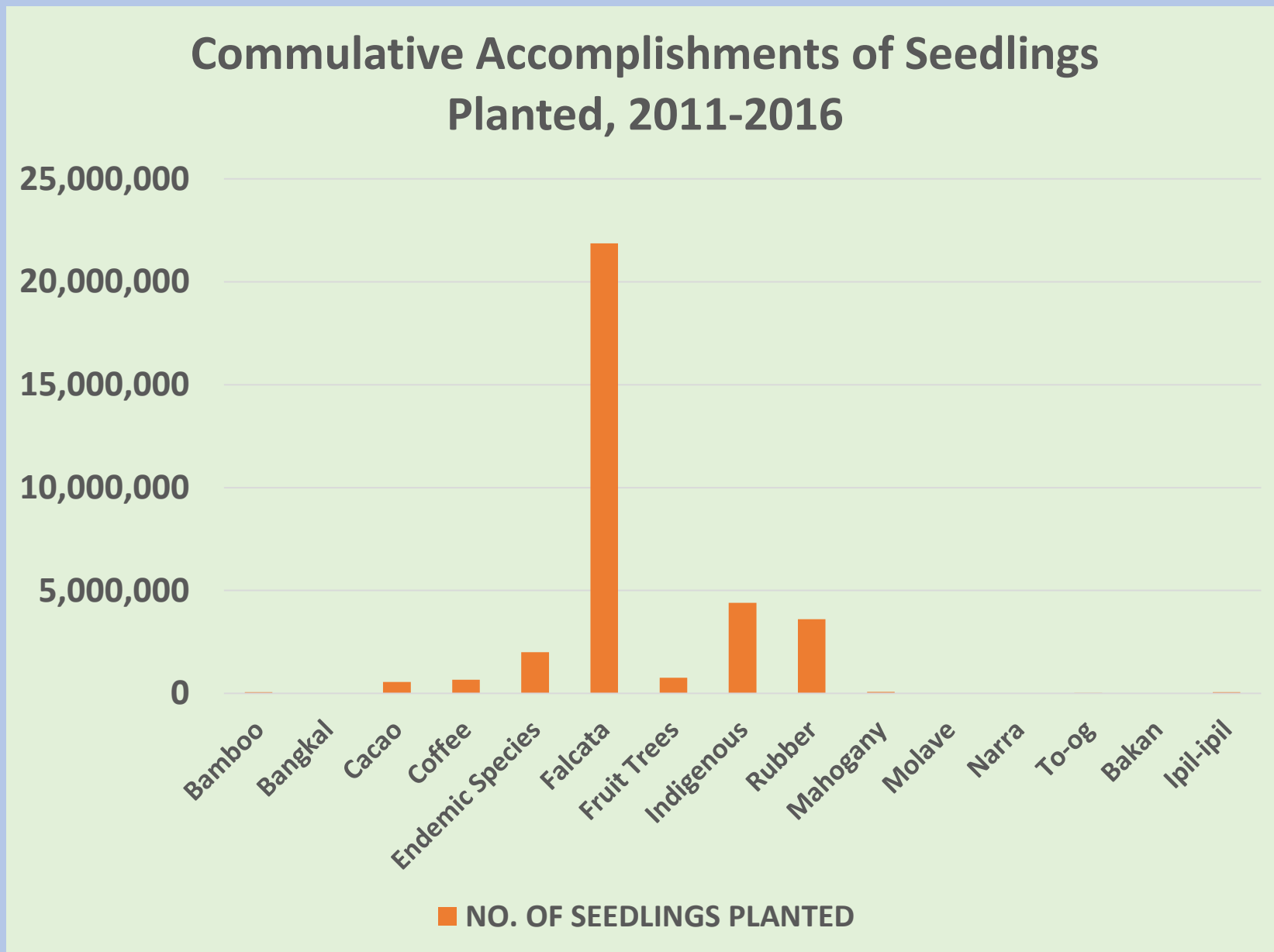


Table 16: No. of seedlings planted by Commodity

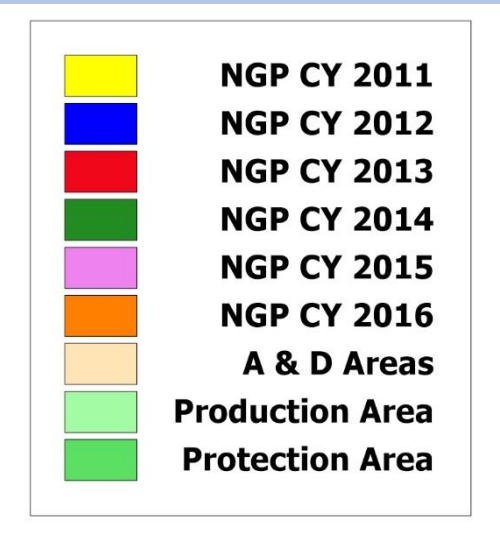
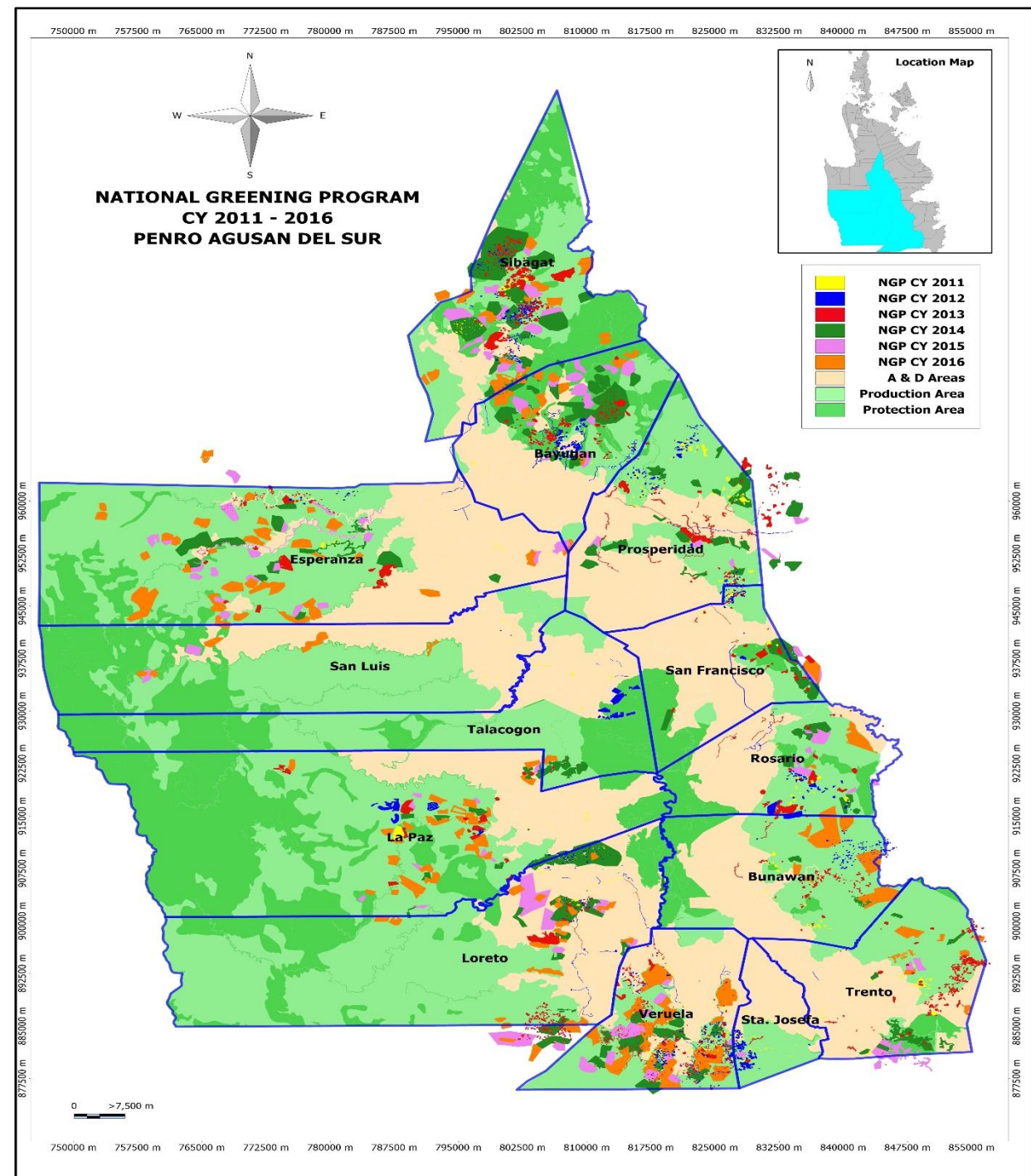
COMMODITY	NO. OF SEEDLINGS PLANTED
CENRO BAYUGAN	7,025,039
BAMBOO	25,600
Cacao	123,600
Coffee	362,171
Endemic species	600,000
Falcata	2,902,800
Fruit Trees	199,760
Indigenous	1,561,317
Rubber	1,249,791
CENRO BUNAWAN	2,885,224
BAMBOO	25,000
Cacao	16,000
Coffee	2,100
Endemic species	380,000
Falcata	1,404,559
Fruit Trees	75,223
Indigenous	641,358
Mahogany	22,690
Molave	3,756
Narra	9,159
Rubber	305,379

SAN FRANCISCO	4,689,600
BAMBOO	7,400
Cacao	46,500
Coffee	107,000
Endemic species	700,000
Falcata	1,834,000
Fruit Trees	215,000
Indigenous	963,300
Ipil-ipil	65,500
Mahogany	16,190
Mahogany	2,560
Narra	750
Rubber	148,400
RUBBER	560,000
Toog	23,000

LORETO	4,126,854
Bakan	900
Bangkal	17,400
Cacao	284,000
Coffee	132,200
Endemic species	320,000
Falcata	1,374,800
Fruit Trees	240,940
Indigenous	837,820
Mahogany	10,200
Narra	1,800
Rubber	906,794

TALACOGON	1,719,998
Cacao	74,570
Coffee	63,500
Falcata	758,750
Fruit Trees	31,831
Indigenous	331,918
Mahogany	20,981
Narra	366
Rubber	438,082

Map showing the NGP area, 2011 to 2016



ESTABLISHED NGP PLANTATIONS, 2011-2016

CENRO BAYUGAN



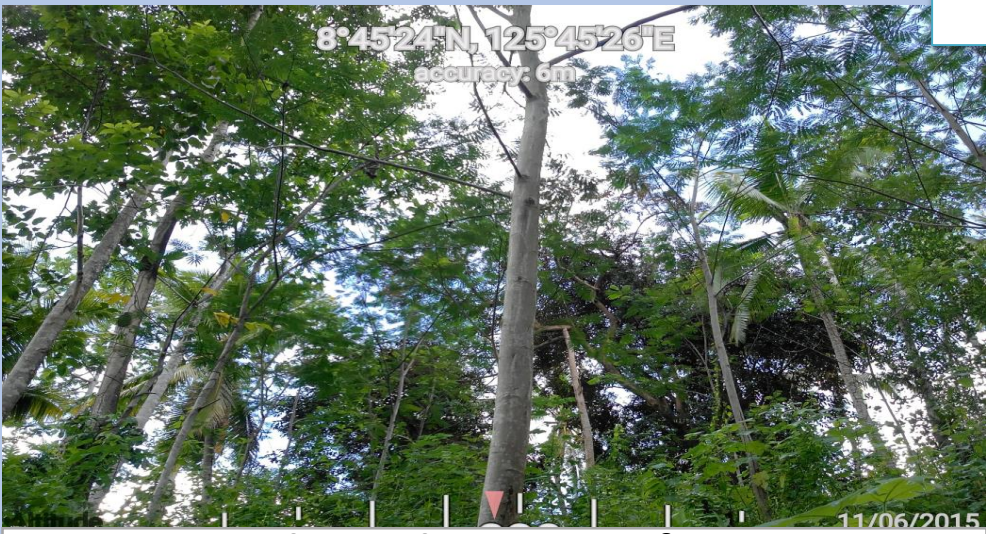
CY 2015 Falcata plantation of PO BWA located at Berseba, Bayugan, ADS



CY 2014 Coffee and Indigenous plantation of PO SECAUB MFAI located at Prosperidad, ADS



CY 2011 Rubber Plantation of CBFM-PO PADEA located at Esperanza, ADS



CY 2013 Falcata plantations of PO SODECO located at NATO, Esperanza, ADS



CY 2012 Falcata Plantation of CBFM-PO BTRCDAI located at Bantolinao, Sibagat, ADS

CENRO BUNAWAN



CY 2016 Falcata plantation of Halasgo Evaristo, et.al located at Consuelo, Bunawan, ADS



CY 2014 Rubber and Falcata Plantation of Pepito Penida, San.Isido, Trento, ADS



CY 2015 Falcata Plantation of Elmer Valentin, San.Isido, Trento, ADS



CY 2013 Falcata plantation of Heraldo Abuso, Sr., located at Sta.Maria, Trento, ADS

CENRO LORETO



CY 2016 developed 907 has. of Falcata plantation of PO VESTA-ADMO located at Brgy. Sampaguita, Veruela, ADS



CY 2015 Falcata Plantation of PO LKFAI, Brgy. Manawe, Loreto, ADS



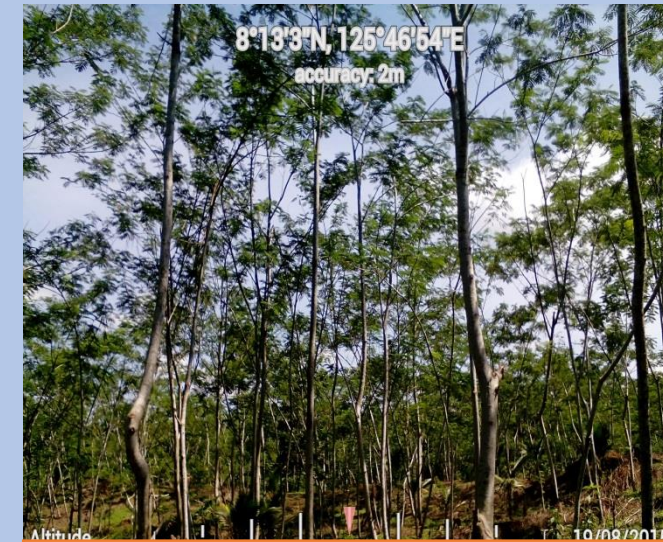
CY 2014 Falcata Plantation PO WAMVIPO located at Brgy. Waloe, Loreto, ADS



CY 2013 Rubber Plantation of PO LKTFAI, Brgy. Sto. Tomas, Loreto, ADS

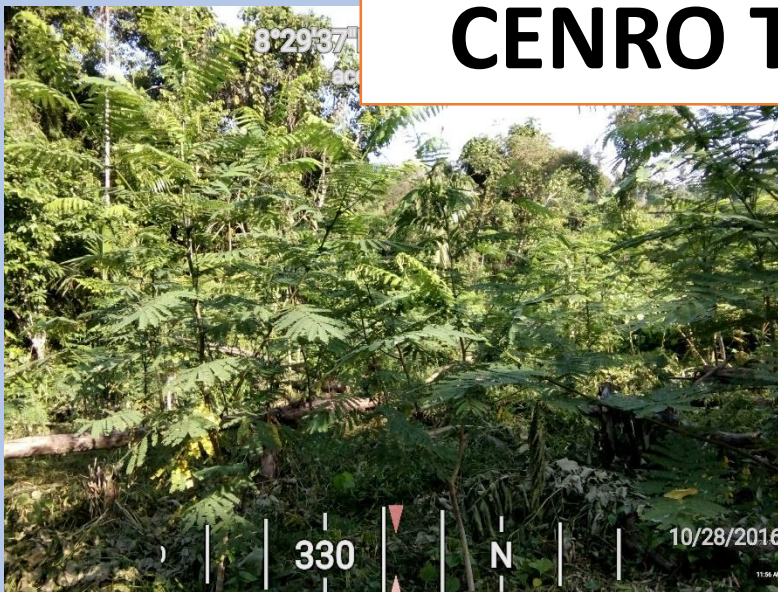


CY 2012 Rubber Plantation PO VESTA-ADMO



CY 2011 Falcata Plantation PO WAMVIPO located at Brgy. Waloe, Loreto, ADS

CENRO TALACOGON



CY 2016 Falcata Plantation of PO-DCDFMAI located at Brgy. Desamparados, Talacogon, ADS



CY 2015 Rubber Plantation of PO-DCDFMAI located at Barangay Desamparados, Talacogon, Agusan del Sur



CY 2014 Falcata Plantation of PO-DCDFMAI located at Desamparados, Talacogon, ADS



CY 2013 Falcata Plantation of PO-DCDFMAI located at Brgy. Desamparados, Talacogon Agusan del Sur



CY 2012 Established Plantation on urban areas (Tree park) within the AOR of San Luis, Agusan del Sur



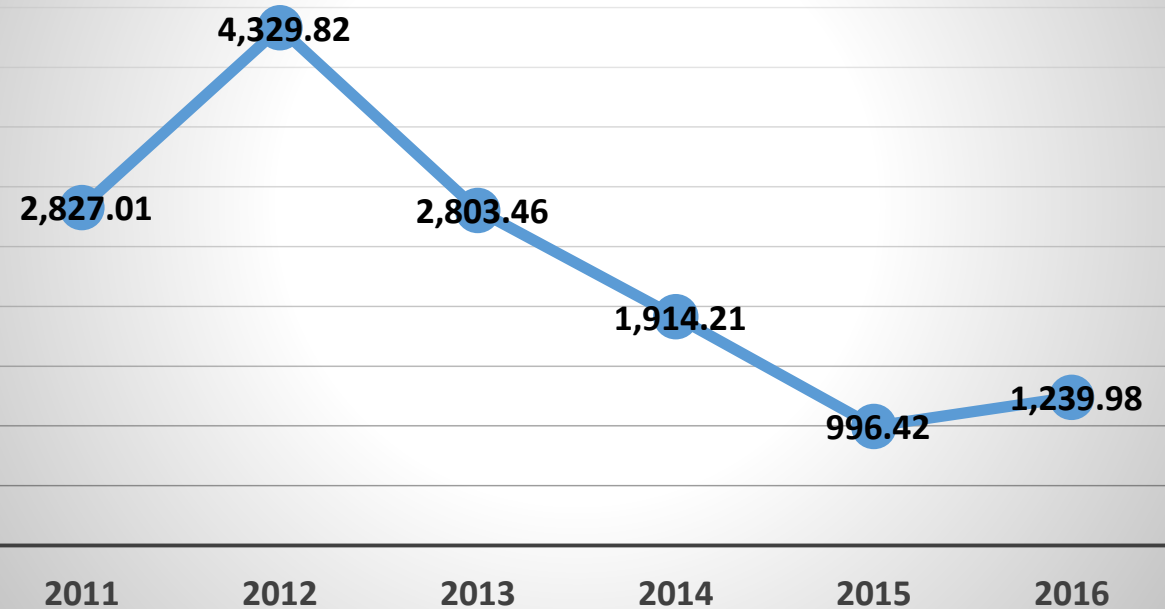
CY 2011 Established Plantation on urban areas (Tree park) within the AOR of San Luis, Agusan del Sur

Table 17: Apprehended/seized/confiscated forest products, 2011-2016)

CENRO	Logs/Poles/Piles (cu.m)	Lumber/Flich (bd.ft)	Conveyance
CY 2016	1,015.33	95,251.07	85
CENRO Bunawan	259.59	16,777.92	70
CENRO Loreto	103.62	13,680.42	2
CENRO Talacogon	310.76	7,175.00	-
CENRO Bayugan	341.36	57,617.73	13
CY 2015	569.96	180,816.98	5
CENRO San Francisco	79.30	10,000.00	
CENRO Bunawan	61.60	127,706.54	5
CENRO Loreto	75.59	1,774.00	
CENRO Talacogon	317.76	10,016.99	
CENRO Bayugan	81.81	30,960.45	
CY 2014	1,730.46	77,909.52	13
CENRO San Francisco	157.72	2,015.96	
CENRO Bunawan	316.80	26,263.00	4
CENRO Loreto	8.40	4,103.91	
CENRO Talacogon	408.29	16,765.40	4
CENRO Bayugan	839.25	28,761.25	5
CY 2013	2,647.41	66,166.76	19
CENRO San Francisco	11.96	4,927.24	-
CENRO Bunawan	606.23	13,059.50	12
CENRO Loreto	132.42	-	1
CENRO Talacogon	1,438.68	17,280.27	-
CENRO Bayugan	458.12	30,899.75	6
CY 2012	3,640.61	292,223.63	17
CY 2011	2,607.76	92,960.51	

4.2. FOREST PROTECTION

Apprehended/seized/confiscated forest products (cu.m)



Analysis: The decrease in volume of apprehended/confiscated illegal forest products from CY 2011-2016 was attributed to the strict implementation and intensive IEC on Executive Order No. 23. The implementation of the National Greening Program (E.O. 26) had also been a great impact in reducing anti-illegal logging activities in the province. NGP had helped forest dependent communities un uplifting their economic status as well as in diverting their means of livelihood through reforestation activities.

Apprehended/seized and confiscated Forest Products



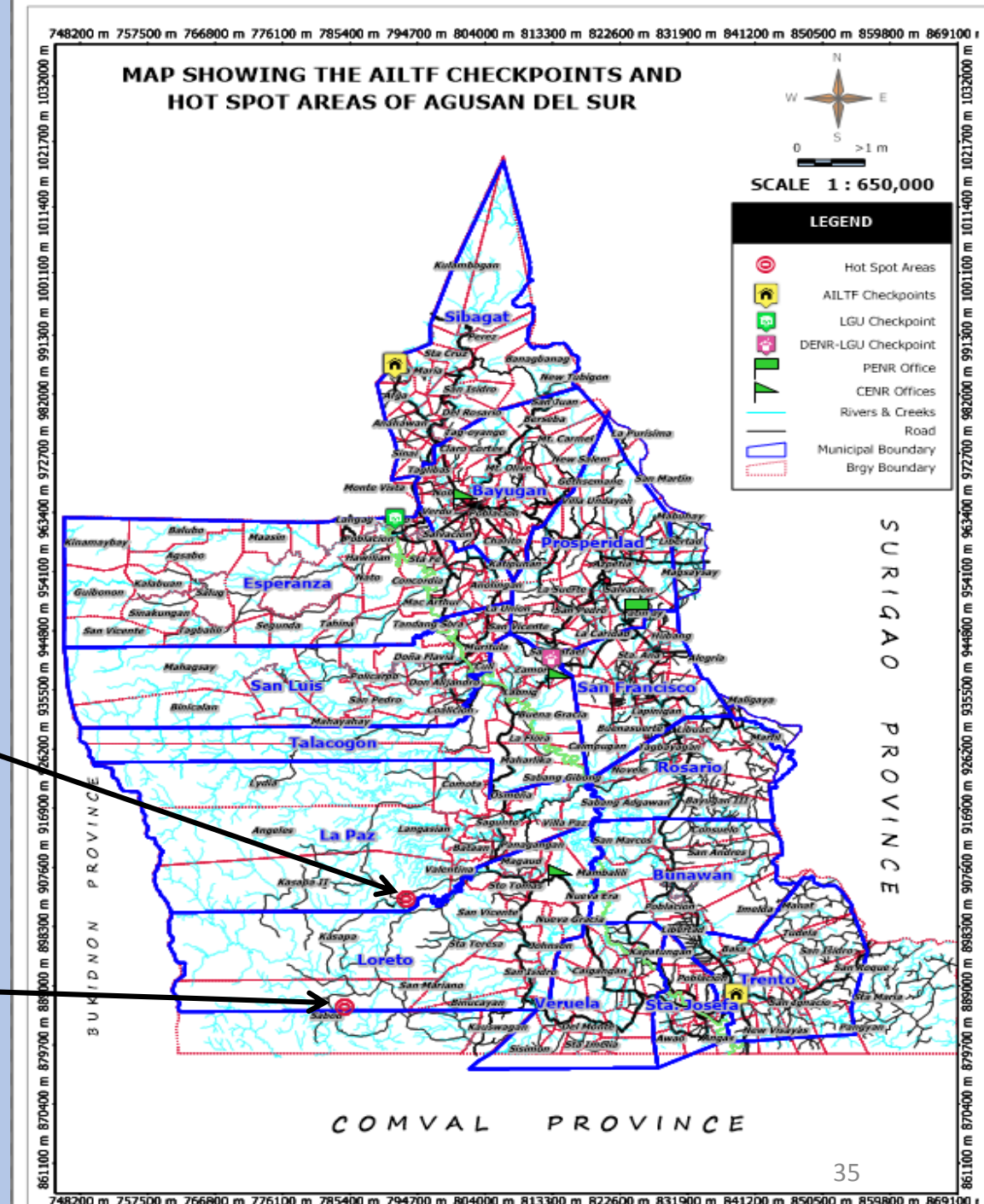
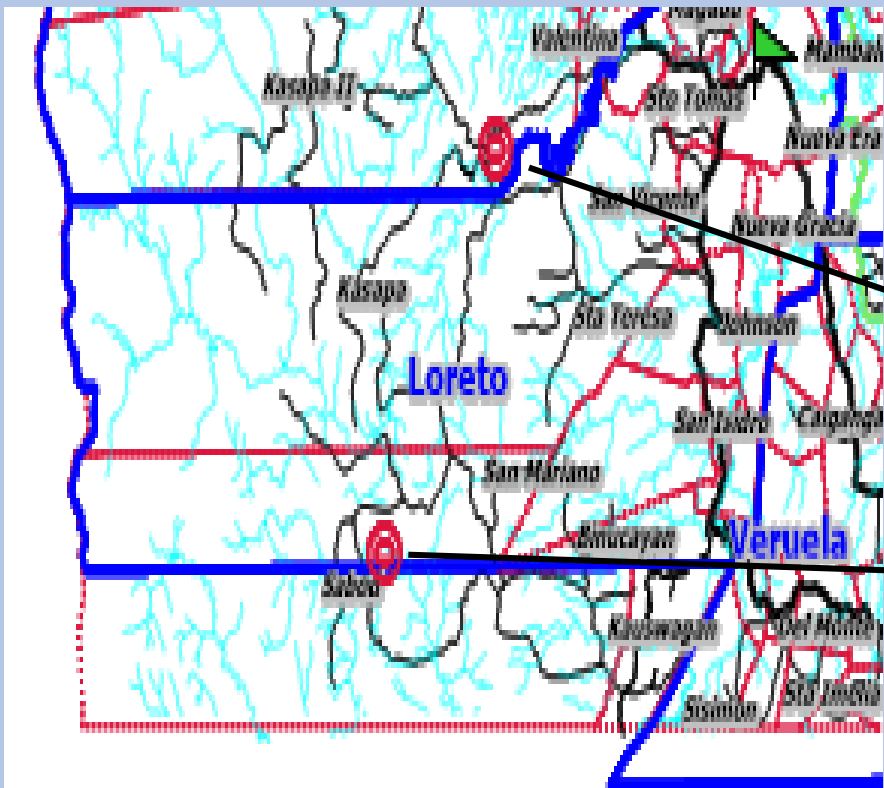
Hotspot Areas of Agusan del Sur

From 20 hotspot areas in 2014 , a remaining 2 hotspot areas left in 2015

1. San Luis (CENRO Talacogon)
2. Kasapa 1, Loreto (CENRO Loreto)



DENR Monitoring Stations in CENRO Loreto, ADS

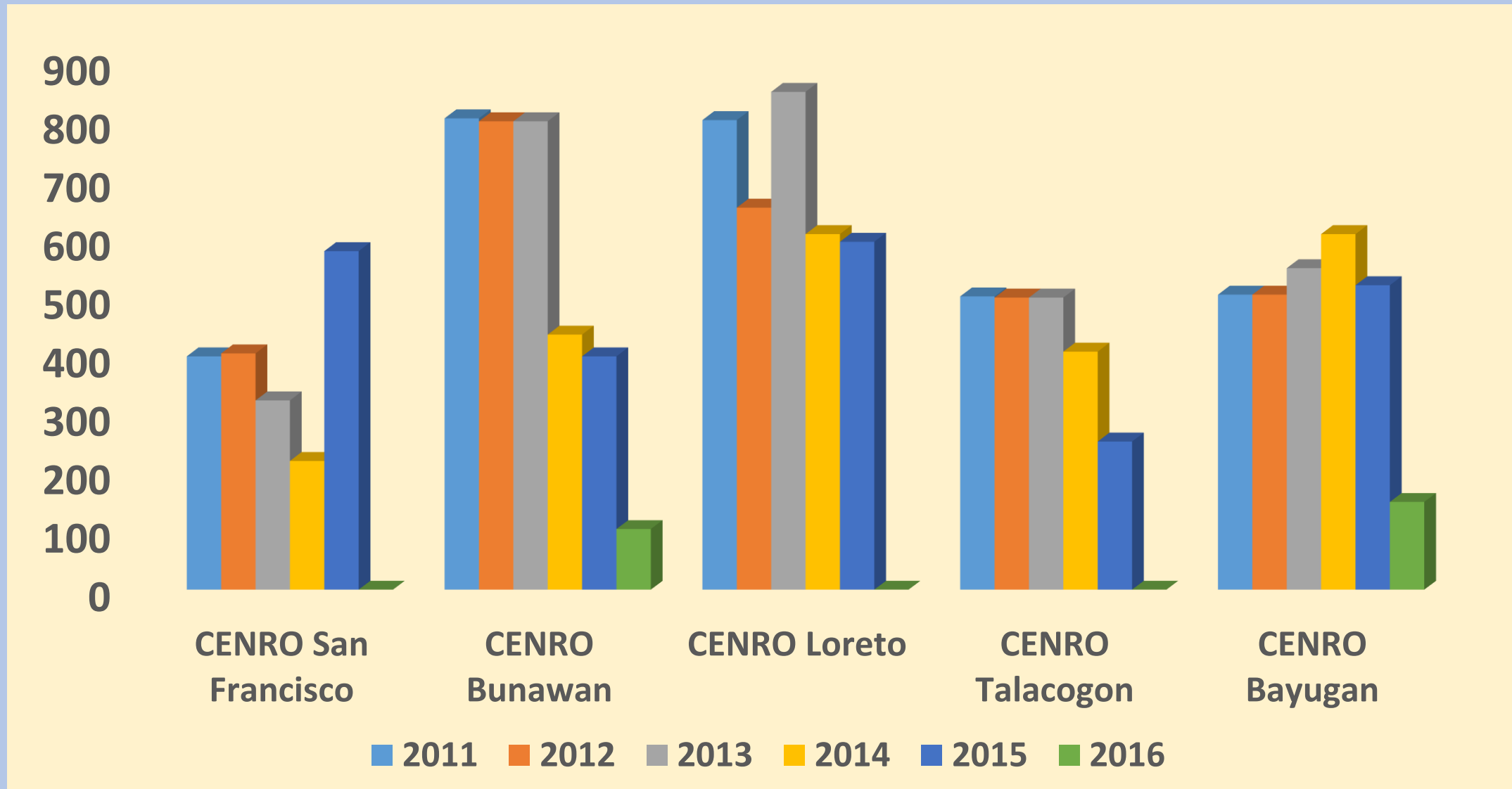


4.3 LAND DISPOSITION

Patent Issued under CARP (fund 158) - Agricultural

CENRO	CY 2011		CY 2012		CY 2013		CY 2014		CY 2015		CY 2016		Total (2011 to 2016)	
	Lot (no)	Area (has.)	Lot (no)	Area (has.)	Lot (no)	Area (has.)	Lot (no)	Area (has.)	Lot (no)	Area (has.)	Lot (no)	Area (has.)	Lot (no)	Area (has.)
San Francisco	400	667.967	405	406	325	706.975	222	468.158	579	781.768	-	-	1,931.00	3,030.87
Bunawan	805	236.1	800	510.19	800	372.098	437	340.629	400	114.752	105	98.824	3,347.00	1,672.59
Loreto	802	811.407	653	983.8	850	623.446	608	1,282.09	595	560.345			3,508.00	4,261.09
Talacogon	502	568.602	500	1,501.09	500	494.624	408	869.469	255	559.403			2,165.00	3,993.19
Bayugan	505	528.513	505	326.08	550	570.433	608	617.39	521	324.578	152	297.353	2,841.00	2,664.25
TOTAL	3,014	2,812.59	2,863	3,727.16	3,025	2,767.58	2,283	3,577.74	2,350	2,340.85			13,792.00	15,622.00

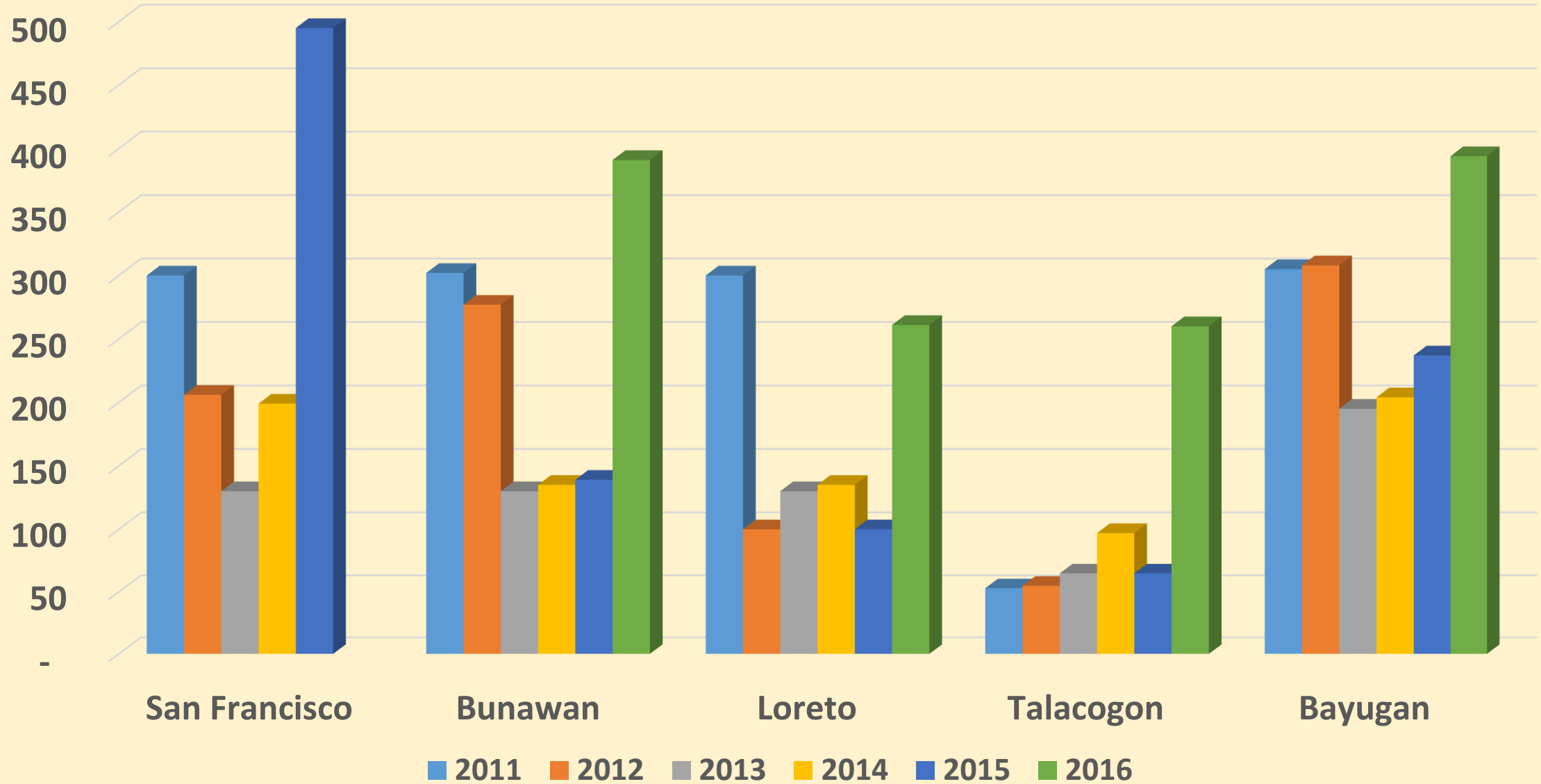
Figure 5. Patents Issued under CARP 158, 2011-2016



Patents issued under R.A. 10023 – Residential from 2011-2016

Office	CY 2011		CY 2012		CY 2013		CY 2014		CY 2015		CY 2016		Total	
	(2011 to 2016)													
	Lot (no)	Area (has.)	Lot (no)	Area (has.)	Lot (no)	Area (has.)	Lot (no)	Area (has.)	Lot (no)	Area (has.)	Lot (no)	Area (has.)	Lot (no)	Area (has.)
San Francisco	300	9.8157	206	6.3547	130	2.4424	199	6.8664	495	14.8199			1,330	40.2991
Bunawan	302	6.9207	277	8.2330	130	3.3312	135	7.4456	139	5.9325	391	11.0745	1,374	42.9375
Loreto	300	9.0751	100	0.4500	130	2.3336	135	2.7145	100	6.1928	261	9.9115	1,026	30.6775
Talacogon	53	1.6941	55	1.4890	65	1.2261	97	2.5461	65	1.8087	260	5.5202	595	14.2842
Bayugan	305	1.8936	308	9.0228	195	5.5600	204	4.2144	237	4.4770	394	10.7582	1,643	35.9260
TOTAL	1,260	29.399	946	25.550	650	14.893	770	23.787	1,036	33.231	1,306	37.264	5,968	164.1243

Figure 6: Patents issued under R.A. 10023 – Residential, 2011-2016



4.4. Protected Area [PA] & Biodiversity Conservation Areas

A. Agusan Marsh Wildlife Sanctuary (AMWS)

1. Biophysical Features of AMWS

Proclaimed Area: 19,196.56 hectares
 Expanded Area: 40,942.99 hectares – the expanded area is still lobbied for Republic Act issuance, House Bill is still pending at the Senate.

Legal Basis: Presidential Proclamation No. 913 dated October 31, 1996. The said PA is a Recipient of Ramsar Site Certificate No. 1009 on November 12, 1999 as a Wetland of International Importance.

Area Coverage: Six (6) municipalities of Agusan del Sur, namely: Municipalities of San Francisco (6 *barangays*), Rosario (4 *barangays*), Bunawan (5 *barangays*), Loreto (5 *barangays*), Talacogon (14 *barangays*) and La Paz (4 *barangays*)

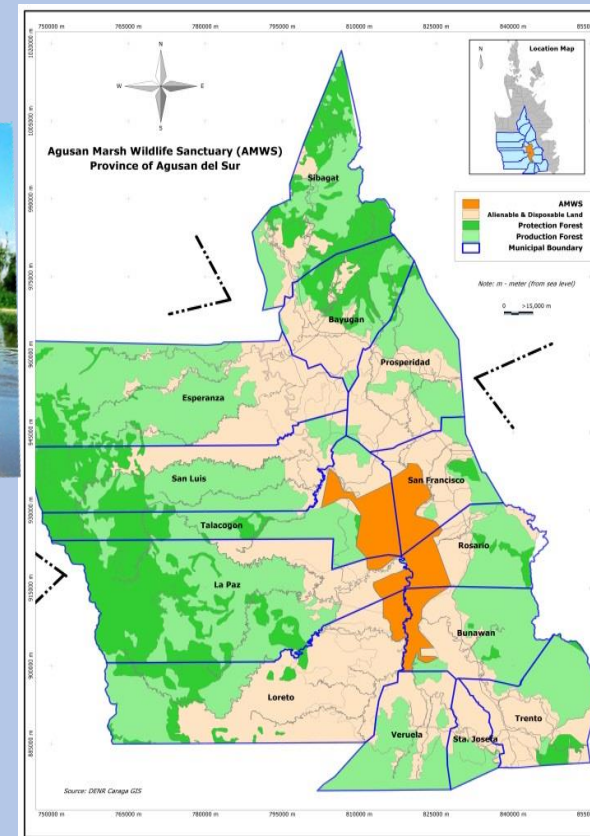
Population: 117,683 (based on Year 2000 Census)

Number of Households: 21,568

Dialect: Majority is Manobo

2. Significance of AMWS

- With its 59 lakes, it acts as the catch basin of the Agusan-Davao plain in Eastern Mindanao draining the Diwata ranges in the east, the Bukidnon Mountain ranges in the west, and the hills of Compostela Valley in the south.
- It serves as a sponge to reduce flood flows; thus plays a vital role in the socio-economic development of the Agusan provinces.
- An ecologically significant wetland ecosystem that:
 - Harbors unique and pristine habitats like the sago and peat swamp forest providing habitat to rare and endangered species



Municipality	A & D	Forestland	River	Lake	Expanded Area	%
1. Bunawan	2,565.87	2,759.38	147.68	388.07	5,861.0	14
2. La Paz	1,005.51	2,376.43	159.84	52.22	3,594.0	9
3. Loreto	624.01	2,914.72	174.71	269.63	3,983.07	10
4. Rosario	3,471.04	2,683.31	61.60	227.05	6,443.0	16
5. San Francisco	4,693.27	4,265.06	120.17	-	9,078.50	22
6. Talacogon	3,283.81	8,336.91	276.17	86.53	11,983.42	29
Total	15,643.51	23,688.31	940.17	1,023.50	40,942.99	100

Source: Agusan Marsh Briefer

A. Agusan Marsh Wildlife Sanctuary (AMWS)

3. Way of Life of the People in the Marsh

- Living in Floating Houses
- Fishing is their major source of living
- Cultural Practices like “Panagtawag”
- Modes of Transport thru dug-out canoes “bauto” and pumpboat

4. Major Lake Systems and Site Destinations in the Marsh

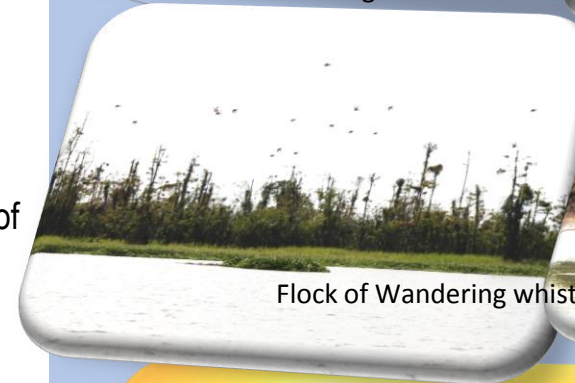
- Lake Kelobidan/Ticgon (Bunawan)
- Lake Panlabuhan (Loreto)
- Lake Mihaba (Bunawan)
- Lake Mambagongon (La Paz)
- Lake Tugno (Talacogon)
- Caimpugan Peatland (San Francisco)

5. Flora and Fauna of AMWS

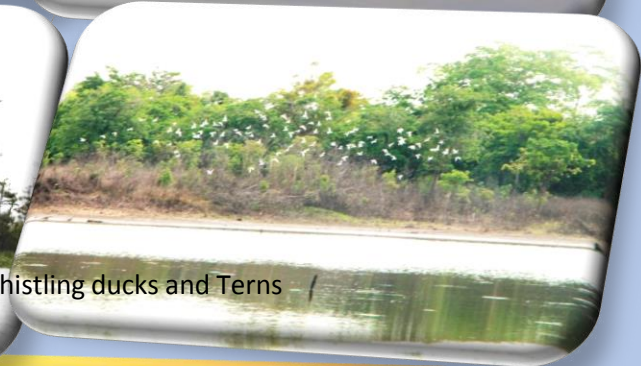
- 112 species of trees (including 3 spp. of bamboo), vines, lianas and epiphytes, grasses, ground ferns and other herbaceous plants in the different habitat types of Agusan Marsh
- 127 bird species which belongs to 47 families
- 25 freshwater fish in 10 families, 1 exotic
- 61 species of herpetofauna (41 reptiles to include Phil. Crocodile (*Crocodylus mindorensis*) – *critically endangered*, Estuarine Crocodile (*Crocodylus porosus*) – *lower risk*, and Danata (*Trionyx sp.*) – *locally threatened*)
- 14 mammalian species



Floating houses in Lake Mihaba and Mambagongon



Flock of Wandering whistling ducks and Terns



Sunset in AMWS

B. Andanan Natural Park (ANP)

1. Biophysical Features of ANP

Area: 15,097 hectares

Legal Basis: Presidential Proclamation No. 734 dated May 29, 1991. The area is an initial component of the NIPAS and is being proposed as Andanan Natural Park under the NIPAS.

The PAMB was organized in December 2000.

2. Hydrological Features:

- Andanan River
- Muraya Creek
- Calaitan Creek
- Pinandagatan Creek

3. Biological Features

- **Fauna**
 - ✓ Mammals (Philippine deer, Wild pig, Philippine monkey, Bats)
 - ✓ Birds (Hornbills, Parrots, Brahminy kite, Philippine Hawk Eagle, White Eared Brown Dove)
 - ✓ Reptiles (freshwater turtle, reticulated python)
 - ✓ Freshwater fishes (kasili, gabot, haluan, ulang)
- **Flora**
 - ✓ Dipterocarp species (Yakal, Lauan, Mayapis, Apitong, Tanguile, Bagtikan, Red Lauan)
 - ✓ Premium species (Narra, Molave, Almaciga)

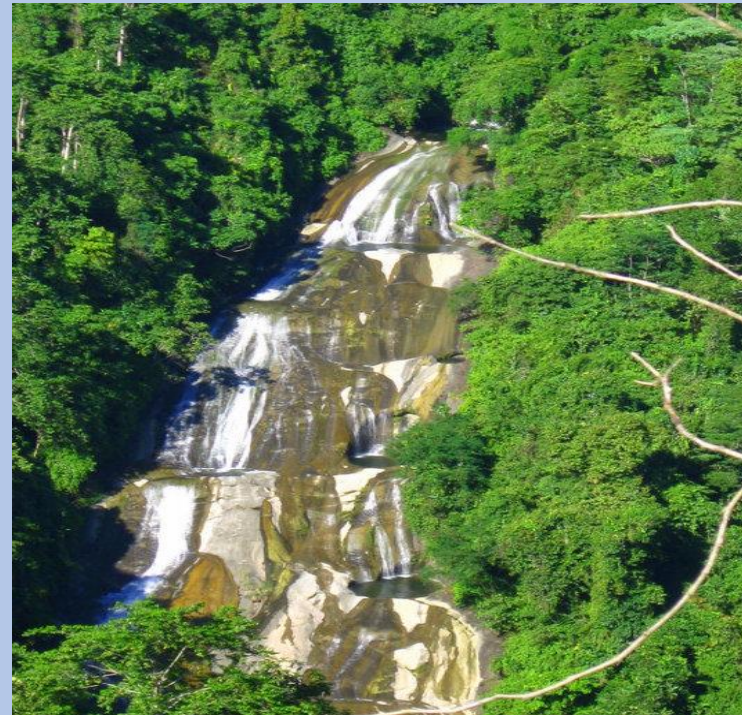
4. Ecotourism Potentials

The following are the areas within Andanan WFR with potential for ecotourism:

- ✓ Cascading Waterfall
- ✓ Waterfall with lake
- ✓ Caves with unique formations

5. Uses

- ✓ Andanan WFR is a source of water of the constructed dam and irrigation systems for five (5) hectares riceland of the Municipalities of Bayugan and Esperanza, Agusan del Sur.



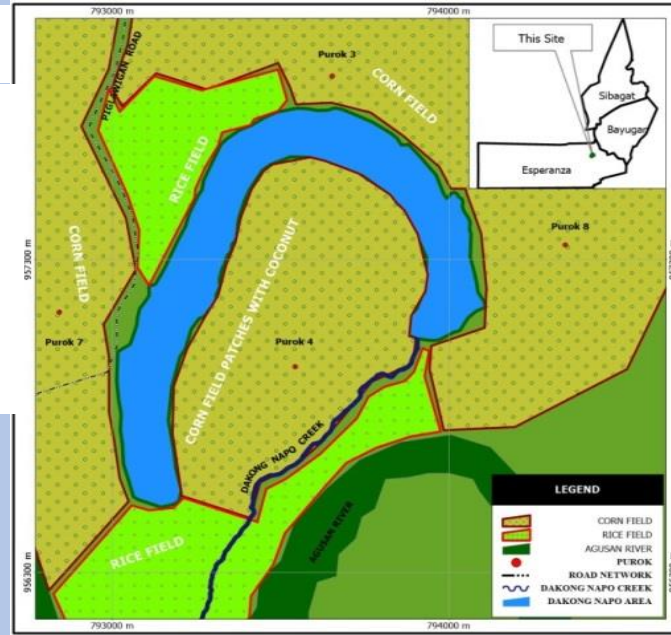
Pinagalaan Falls in Bayugan City located within the Andanan Natural Park.



Brahminy Kite (*Haliastur indus*) eagle species that can be found in Andanan Natural Park.

C. Dakong Napo Lake

“Dakong Napo” Lake that could be seen at Barangay Piglawigan, Esperanza, Agusan del Sur. The said Lake is centrally located within four Puroks of Barangay Piglawigan (Purok 3,4,7 & 8) with an approximate area of **35.0** hectares



D. Bega Falls Critical Habitat for JADE VINE [Endangered spp.]



“Jade Vine” flora species that can be found within the proclaimed critical habitat area situated at Brgy. Mabuhay, Prosperidad, ADS



Watershed Areas of Agusan del Sur

Table 21. List of Proclaimed Watershed Areas of Agusan del Sur

Name of Proclaimed Watershed	Location	Area (ha.)
1. Andanan Watershed	Bayugan & Sibagat	20,155
2. Simulao Watershed	Bunawan, Trent &, Sta. Josefa (ADS); Bislig & Linging (SDS)	103,799
3. Gibong Watershed	Prosperidad, Rosario, San Francisco, Esperanza, San Luis & Talacogon (ADS); Barobo, Marihatag, San Agustin, San Miguel and Tagbina (SDS)	138,057
Total		262,011

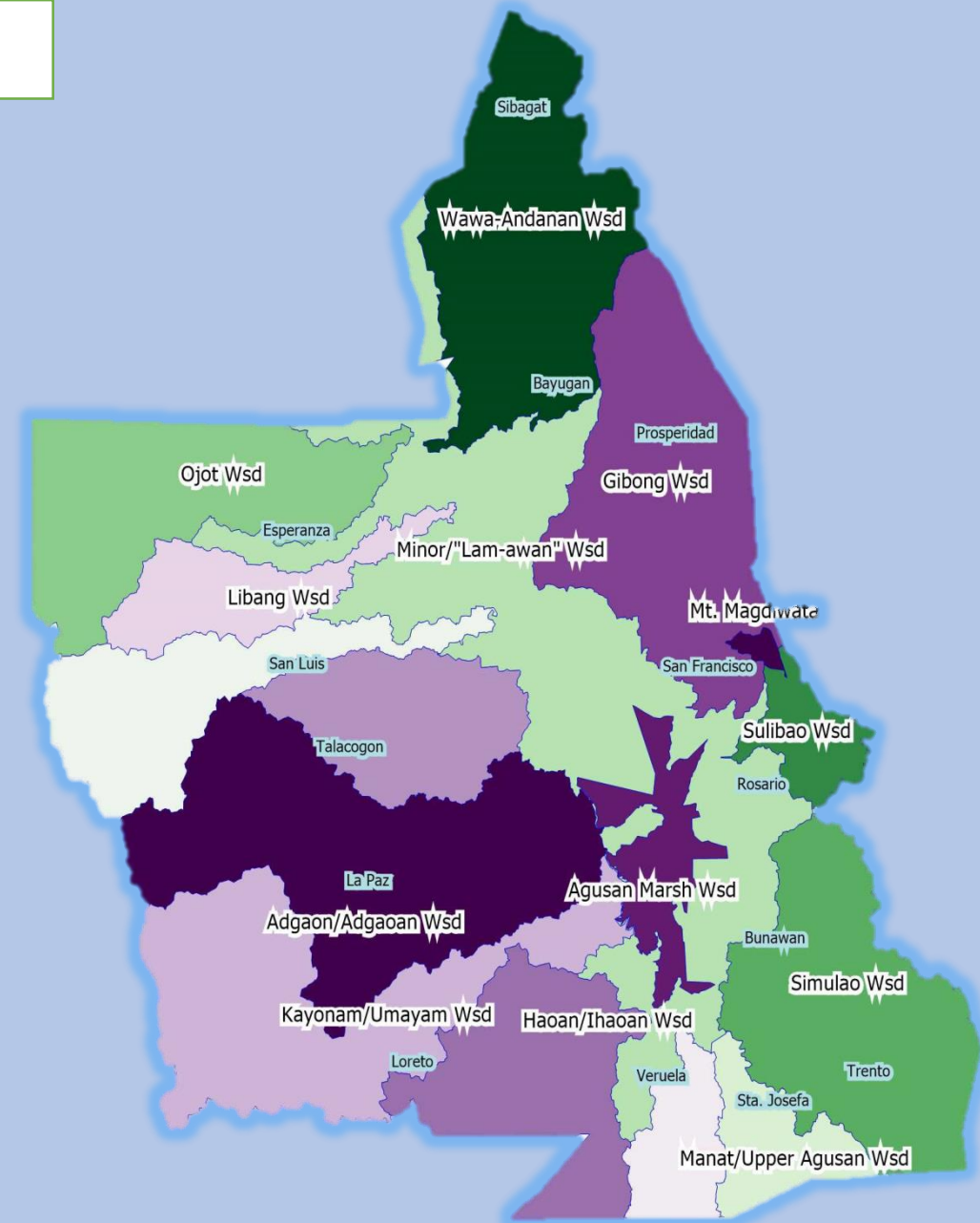
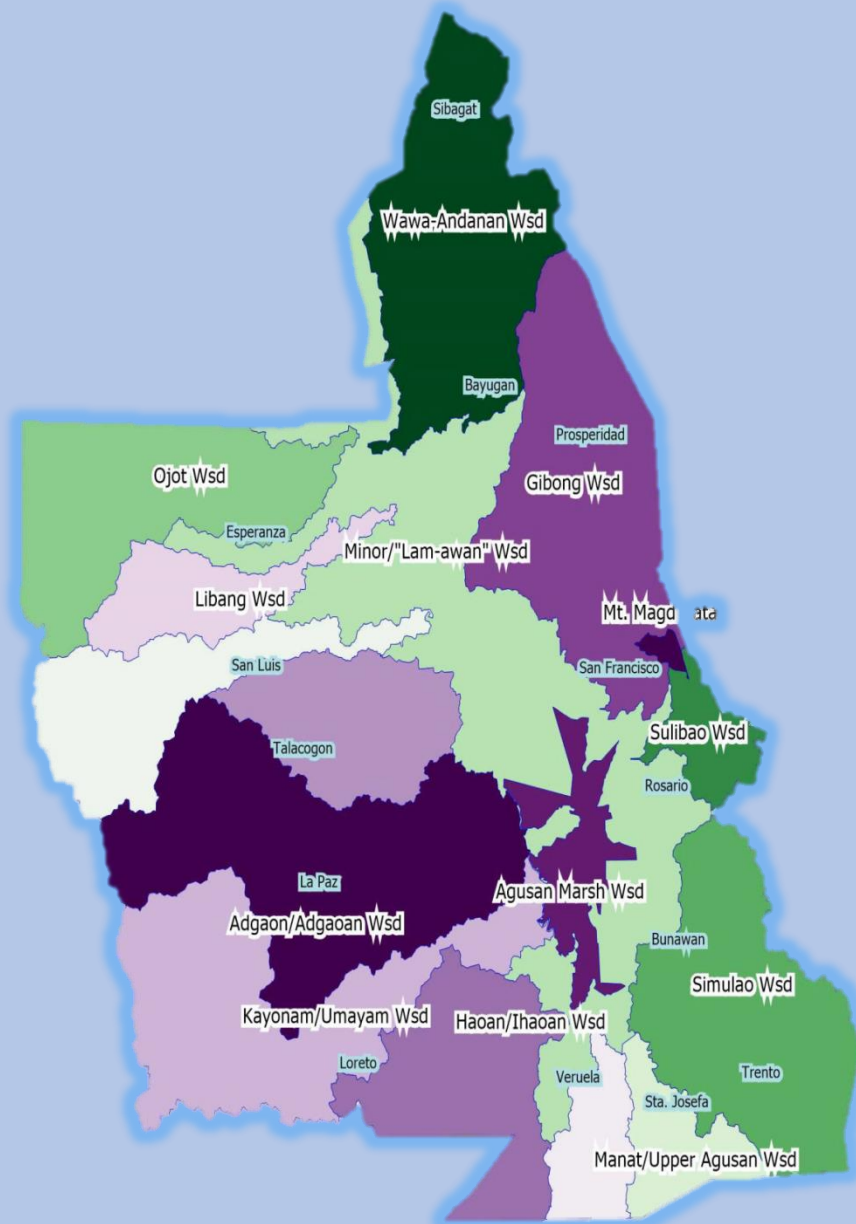


Table 22. List of Watershed Areas of Agusan del Sur

Name of Watershed	Location	Area (ha.)	Remarks / Status
1. Wawa Watershed	Bayugan, Sibagat, ADS and portion of Agusan del Norte	59,23.75	
2. Logum-Baobo Watershed	Veruela, Agusan del Sur	22,612.97	
3. Ihaoan Watershed	Bunawan, Loreto and Veruela, ADS	50,530.25	
4. Umayam Watershed	La Paz and Loreto, ADS	77,193.31	
5. Adgaoan Watershed	Talacogon, San Luis, La Paz and Loreto, ADS	100,673.38	
6. Casilayan Watershed	Talacogon, San Luis, La Paz, ADS	43,608.12	
7. Libang Watershed	Esperanza and San Luis, ADS	27,574.48	
8. Maasam Watershed	Esperanza, La Paz, Talacogon and San Luis, ADS	43,083.82	
9. Ojot Watershed	Esperanza and San Luis, ADS and portion of of Nasipit, Las Nieves, ADN	78,803.38	
Total		444,079.71	



Forest Land Use Plans [FLUP]

Name of Municipalities	REMARKS
1. Esperanza	On Year 4 implementation under CENRO Bayugan
2. Sta. Josefa	On going/ on process Under CENRO Bunawan
3. Prosperidad	On going/on finalization Under CENRO Bayugan
4. Rosario	On going/on process Under CENRO Bunawan
5. Veruela	2016 target/ on going Milestone activities-on tract Under CENRO Loreto
Total	Five [5]

PENRO-Agusan del Sur ARBORETUM

Name of Project	Area [Has.]	Location
ARBORETUM of Indigenous species	2.0 hectares	Mt. Magdiwata Watershed, Brgy. Ormaca, San Francisco, ADS



Table 23. POTENTIAL ECO-TOURISM SITES

Name of PA	Location	Area (ha.)	Eco-tourism Attractions
Mt. Magdiwata Watershed Forest Reserve	San Francisco, Agusan del Sur	1,658	Trekking, Camping, Climbing, Site-seeing & Swimming
Andanan Natural Park	New Tubigon, Sibagat, ADS, San Juan, Mt. Ararat, Mt.Carmel, Berseba, Sta. Irene, Sto.Nino, Calaitan, all of Bayugan, Agusan del Sur	15,097	Trekking, Camping, Climbing, Site-seeing & Swimming
Agusan Marsh Wildlife Sanctuary (AMWS) with 6 major lakes: Lake Mambagongon, Lake Panlabuhan, Lake Tikgon, Lake Mihaba, Caimpugan Peatland & Lake Kelobidan	Bunawan, Loreto, La Paz, Talacogon, San Francisco, all of Agusan del Sur	19,197	Bird watching, fishing, boating, lake hopping/cruising, paddling & site-seeing
Bega Falls	Brgy. Mabuhay, Agusan del Sur		Trekking, Site-seeing & Swimming
Puting Buhangin Cave	Brgy. Poblacion, Prosperidad, ADS		Spelunking

Agusan Marsh Wildlife Sanctuary



Sunset at Lake Mambagongon, La Paz, ADS



Black Winged Stilt



Floating Houses at Panlabuhan, Loreto, ADS



“Jade Vine” flora species that can be found within the proclaimed critical habitat area situated at Brgy. Mabuhay, Prosperidad, ADS

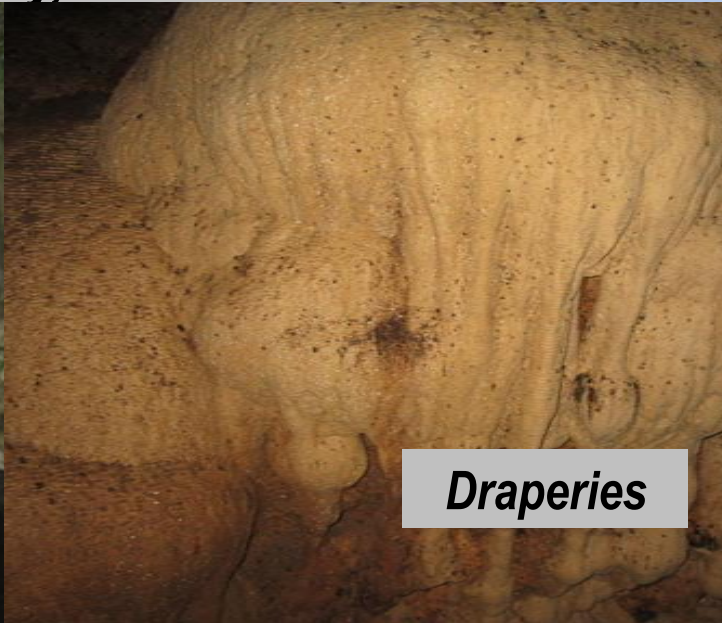


Bega Falls, Brgy. Mabuhay, Prosperidad, ADS

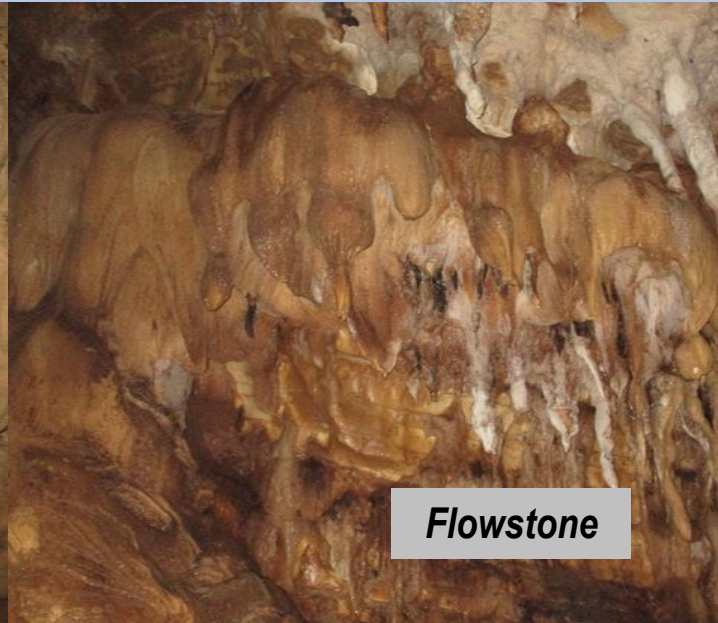
Mandagohong Cave, Mt. Carmel, Bayugan City, ADS



Speleothems formation of Mandagohong Cave



Draperies



Flowstone



Stalagmites



Stalactites

Mt. Ararat Cave, Mt. Ararat, Bayugan City, ADS



The ascending exit of Mt. Ararat Cave



Stalagmites



Stalactites



Paraiso Cave, Brgy. Manat, Trento, ADS



Aningaw Cave/Cave City, Bitan-agan, San Francisco, ADS



Flowstones



Columns



Stalactites



Stalagmites

The Majestic Mt. Magdiwata, San Francisco, ADS



The Giant To-og tree in Brgy. Alegria, San Francisco, ADS