## LAND RESOURCES EVALUATION AND SUITABILITY **ASSESSMENT OF STRATEGIC PRODUCTION AREAS**

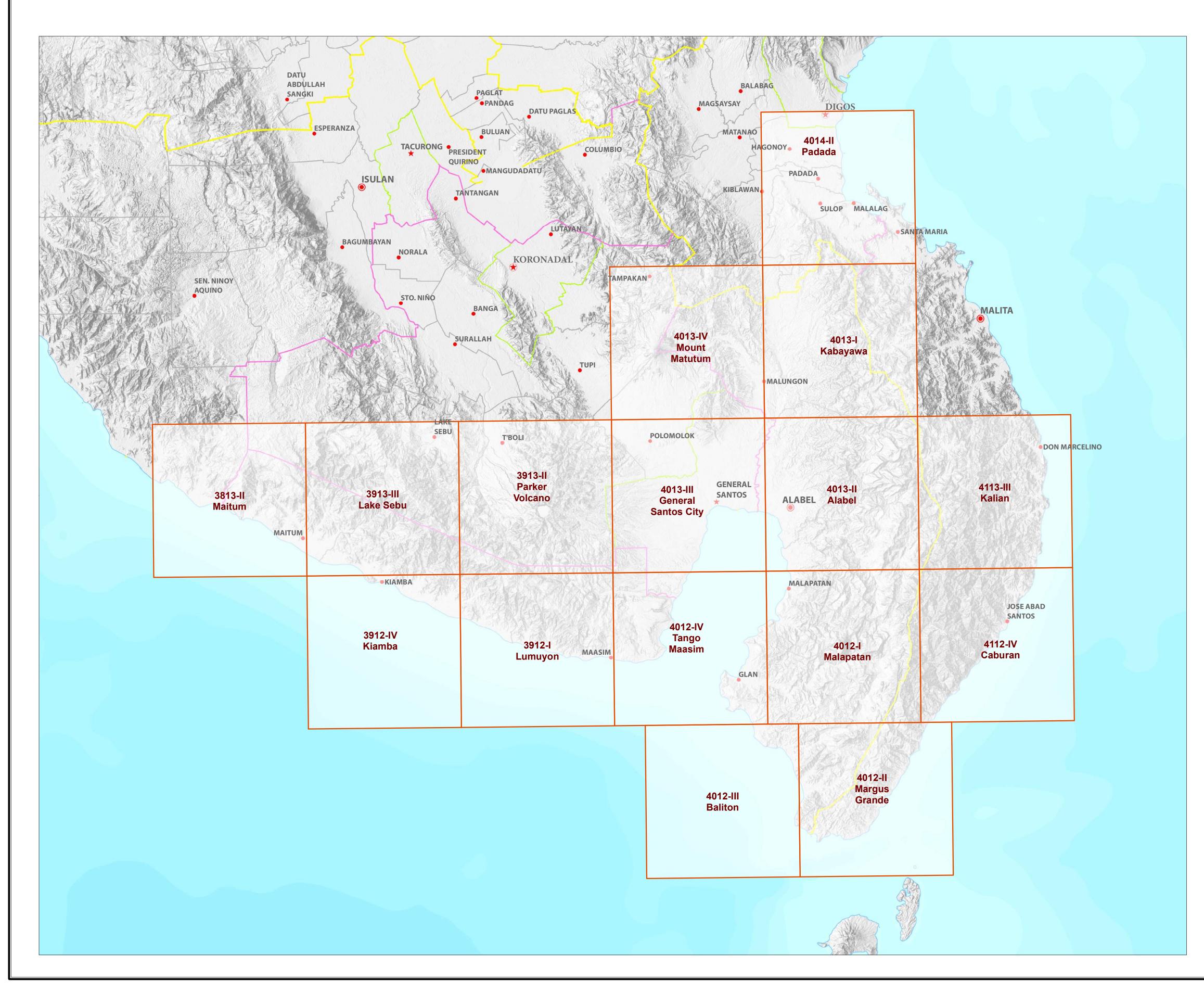
# **PROVINCE OF SARANGANI**



# LAND SUITABILITY MAP

## **NATURAL RUBBER**

### LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS PROVINCE OF SARANGANI



## **MAP INDEX**

LEGEN	D
Places	
	Capital City
*	City
۲	Capital Town
•	Town
Adminis	strative Boundary
	Regional
	Provincial
	City
	Municipal
Map Ind	lex
	Index grid
Topogra	aphic Relief
Bathym	etry
LOCAT	ION MAP
	20. 20.
	and the second



## LAND SUITABILITY MAP FOR **RUBBER**

### LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS SARANGANI, REGION XII

### **EXTENT OF SUITABILITY FOR RUBBER PRODUCTION BY MUNICIPALITY**

						EX	PANSION	AREA (H	a)		(	CONFLICT	Г RESOL	UTION A	REA (Ha)		TOTAL
MUNICIPALITY	EXISTI	NG RUBB	ER (Ha)	TOTAL EXISTING AREA (Ha)	Coco	onut	Shrub unman	,	Grass unman		Cor	n		y rice, rigated	Other	crops	POTENTIAL EXPANSION AREA (Ha)
	<b>S1</b>	<b>S</b> 2	<b>S</b> 3		<b>S1</b>	<b>S2</b>	<b>S1</b>	<b>S</b> 2	<b>S1</b>	S2	<b>S1</b>	<b>S2</b>	<b>S1</b>	S2	<b>S1</b>	<b>S2</b>	AKLA (IIa)
ALABEL	-	-	-	-	4,027	2,282	332	316	671	4,203	710	161	-	-	3	-	12,705
GLAN	-	-	-	-	2,815	7,128	7	116	246	3,268	123	120	-	-	-	-	13,824
KIAMBA	-	-	-	-	3,639	1,666	281	257	54	130	1,283	127	-	-	-	-	7,437
MAASIM	-	-	-	-	1,179	4,194	55	352	306	3,129	14	67	-	-	-	-	9,296
MAITUM	-	-	-	-	2,091	1,522	60	104	22	121	1,296	216	-	-	-	-	5,431
MALAPATAN	-	-	-	-	1,962	4,041	2	83	90	1,551	14	18	-	-	-	-	7,761
MALUNGON	-	-	-	-	1,477	7,861	718	1,120	338	1,727	4,205	3,545	-	-	3	3	20,996
TOTAL	-	-	-	-	17,191	28,694	1,453	2,348	1,727	14,129	7,645	4,255	-	-	6	3	77,450

Note: Delivery of rubber planting materials must be started on the onset of rainy season. \*establishment of shade trees prior to planting of rubber.

### AGRONOMIC REQUIREMENT OF RUBBER PRODUCTION

Rubber Tree  SLOPE (%) 0 - 3 - level	S1 S2 S3 to gently sloping	<8 8 - 30 >30	>100 30 - 100 <30	CL, SiCL, SCL, SC, SiC, C, HC FSL, L, SiL, SL	WD,MWD, SPD PD,VPD	5.6 -7.2	high	none-slight	none-slight	none-few	<500	1000-2	
SLOPE (%)	\$3			FSL, L, SiL, SL	PD,VPD	45-55		U U	none biight	none-rew	<300	1000-2	000 III, IV
		>30	<30			7.3 - 7.8	medium	moderate	moderate	common	500-1000	2001-4	500 I, II, III
	to gently sloping			S, LS, CSL	ED	<4.5 - > 7.9	low	severe	severe	many	>1000	<100 >450	
0-3 - level t	to gently sloping		SOIL DRAINAG	GE		SOIL REACT	ГION (pH)		SOIL TEXT	JRE			
	to genity stoping		ED - ex	cessively drained		< 4.5 -	extremely acid		Coarse			Fine	
3 - 8 - gently	y sloping to undu	llating	WD - we	ell drained		4.5 - 5.0 -	very strongly acid		S -	sand		SC	- sandy clay
8 - 18 - undul	lating to rolling		MWD - mo	oderately well dra	ined	5.1 - 5.5 -	strongly acid		LS -	loamy sand		SiC	- silty clay
	g to moderately	steep	SPD - so	mewhat poorly dr	ained	5.6 - 6.0 -	medium acid		CSL -	coarse sandy loam		С	- clay
30 - 50 - steep			-	orly drained			slightly acid			sandy loam		HC	- heavy clay
> 50 - very s	steep		VPD - ve	ery poorly drained			neutral		Medium				
						7.3 - 7.8 -	mildly alkaline		FSL -	fine sandy loam			
SOIL DEPTH (cm	)		SURFACE IMP	EDIMENT		7.9 - 8.4 -	moderately alkaline		L -	loam			
•	shallow		ROCK OUTCRO	PS		> 8.5 -	strongly alkaline		SiL -	silt loam			
30 - 50 - shallo				one - few						clay loam			
50 - 100 - mode	erately deep			mmon						silty clay loam			
> 100 - deep	to very deep		> 30% - ma	any					SCL -	sandy clay loam			
LAND LIM	ITATIONS	5 DESCRIP	TION AND	O COMBINA	ATIONS								
ELEVATION			SOIL DRAINA	\GE			SOIL DEPTH			SOIL EROSION			
	0m or 2000 - 2500 > 2500m	Om	D2 - Somev	what poorly drain	ed to poorly draine excessively drained		Sh2 - Shallow to	o moderately deep ow (< 30cm)	) (30 - 100cm)		te erosion erosion		
SLOPE/TOPOGRA	<b>APHY</b> g to moderately s	teep	<b>SOIL TEXTUF</b> Tc - Coarse	<b>RE</b> e texture			<b>ROCK OUTCROP</b> Rc2 - Common	S		<b>FLOODING</b> F2 - Modera	te seasonal floodi	ng	

CODE	LIMITATION	CODE	LIMITATION	CODE	LIMITATION	CODE	LIMITATION	CODE	LIMITATION	CODE	LIMITATION	COD	E LANDUSE
1	El2	11	T2-E3-Rc2	21	T2-El2-Sh2-Rc2	31	T3-E3-Sh3-Rc2	41	T3-F2-D2	51	T3-El3	4	Corn
2	El2-E2-Sh2-Rc3	12	T2-E3-Rc3	22	T2-El3-E3-Rc3	32	T3-E3-Sh3-Rc3	42	Т3	52	Тс	81	Coffee
3	El2-Rc2	13	T2-E3-Sh2-Rc2	23	T2-El3-E3-Sh2-Rc2	33	T3-El2	43	ТЗ-ЕЗ			82	Cacao
4	El2-Sh2-Rc2	14	T2-E3-Sh2-Rc3	24	T2-El3-Sh2-Rc2	34	T3-El2-E3	44	T3-E3-Rc3			85	Mango
5	F2-D2	15	T2-El2	25	T2-F2-D2	35	T3-El2-E3-Rc2	45	T3-E3-Sh3-Rc3			91	Banana
6	F3-D2	16	T2-El2-E3	26	T2-F3-D2	36	T3-El2-E3-Sh2-Rc3	46	T3-El2			105	Fruit trees, mixed
7	Sh2-Rc2	17	T2-El2-E3-Rc2	27	Т3	37	T3-El2-E3-Sh3-Rc2	47	T3-El2-E3			116	Coconut
8	T2	18	T2-El2-E3-Rc3	28	ТЗ-ЕЗ	38	T3-El2-E3-Sh3-Rc3	<i>48</i>	T3-El2-E3-Rc3			126	Grassland
9	T2-E2-Sh2-Rc2	19	T2-El2-E3-Sh2-Rc2	29	T3-E3-Rc2	39	T3-El3-E3-Sh2-Rc3	49	T3-El2-E3-Sh3-Rc3			134	Shrubs, unmanaged
10	Т2-ЕЗ	20	T2-El2-E3-Sh2-Rc3	30	T3-E3-Sh2-Rc3	40	T3-El3-E3-Sh3-Rc2	50	T3-El3-E3-Sh3-Rc3				

### **SUITABILITY CLASSES:**



Highly Suitable (S1) Land having no significant limitation to sustained application of a given use, or only minor limitations that will not significantly reduce productivity or benefits and will not raise inputs above an acceptable level.

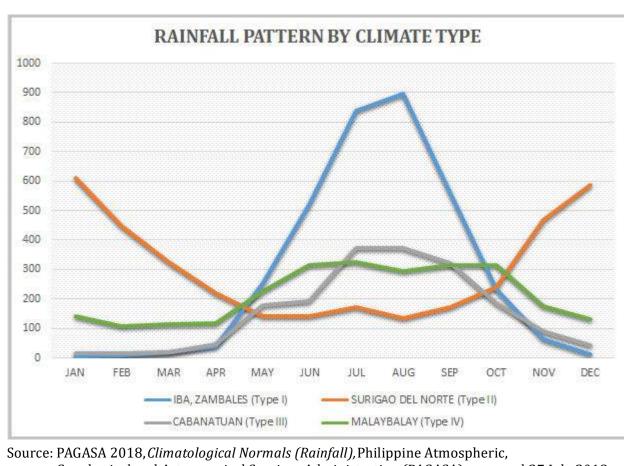
### Moderately Suitable (S2)

Land having limitation which in aggregate are moderately severe for sustained application of a given use; the limitation will reduce productivity or benefits and increase required inputs to the extent that the overall advantage to be gained from the use, although still attractive, will be appreciably inferior to that expected on class S1 land.

**CLIMATE TYPE** 

- **TYPE I** : Two pronouced season, dry from November to April and **TYPE II** : No dry season with a very pronounced maximum rain wet during the rest of the year. Maximum rain period is from June to September
- **TYPE III** : No very pronounced maximum rain period, with a dry season lasting only from one to three months, either during the period from December to February or from March to May. This type resembles Type I since it has a short dry season.

Sarangani is classified as climatic Type IV.



Geophysical and Astronomical Services Administration (PAGASA), accessed 27 July 2018, <a>https://www1.pagasa.dost.gov.ph/index.php/climate/climatological-normals>.</a>



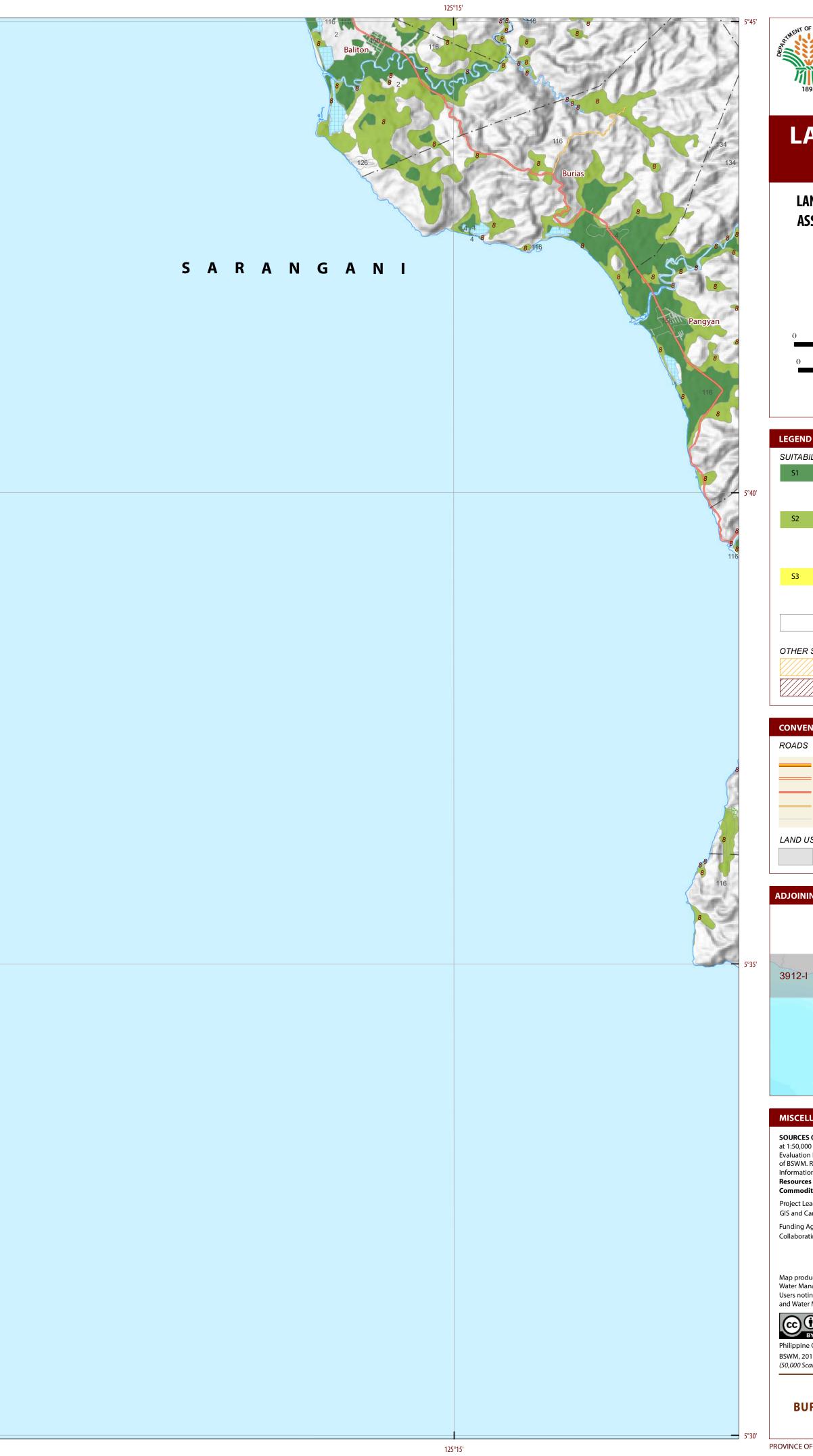
Marginally Suitable (S3) Land having limitations which in aggregate are severe for sustained application of a given use and will so reduce productivity or benefits, or increase required inputs, that this expenditure will be only marginally justified.

Not Suitable / Not Relevant Land having limitations which may be surmountable in time but which cannot be corrected with existing knowledge at currently acceptable cost; the limitations are so severe as to preclude successful sustained use of the land in the given manner. Existing forest, shrubland greater than 18% slope, irrigated paddy rice and miscellaneous land types such as built up areas, roads, etc are considered as not relevant.

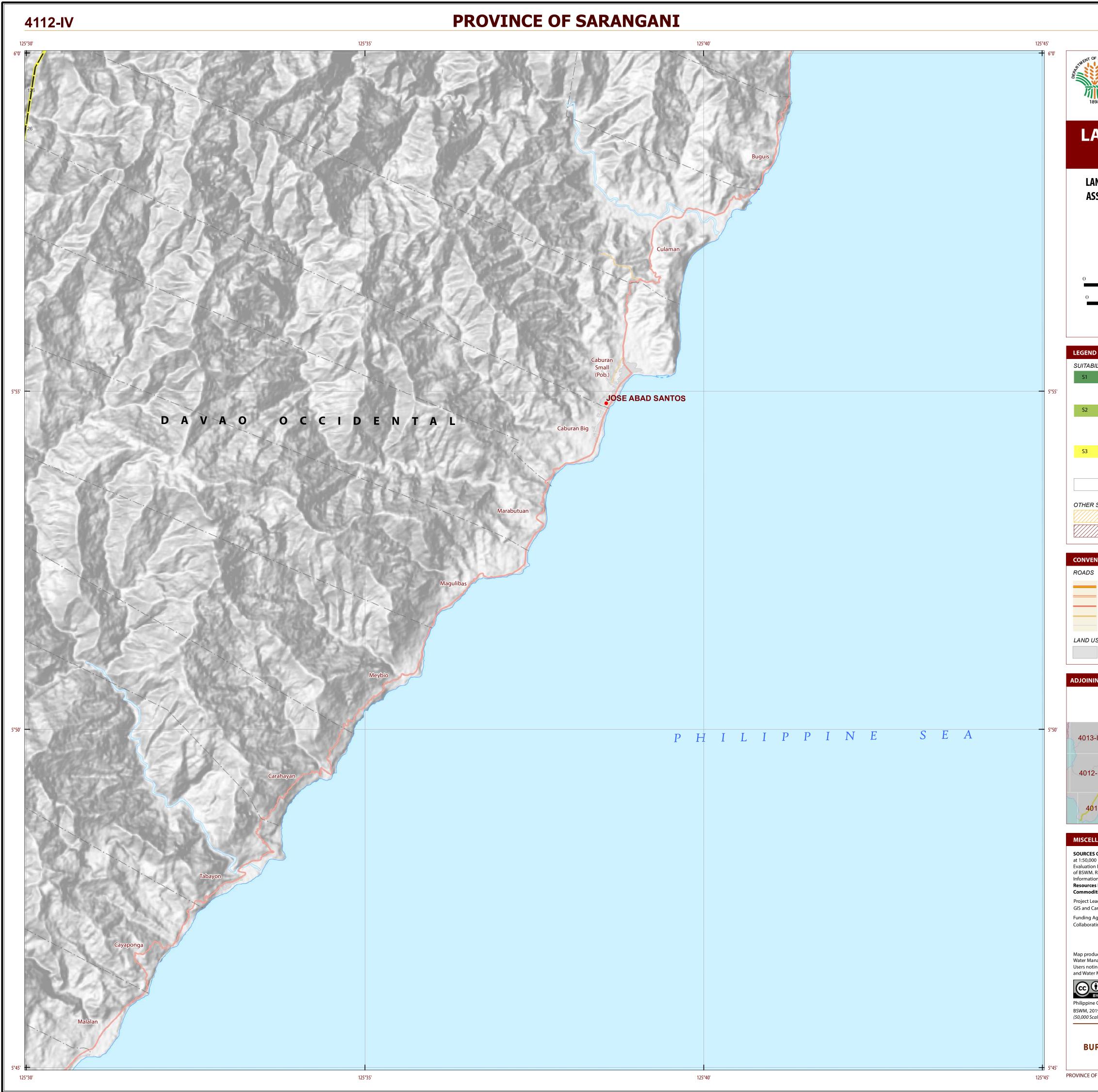
- period from December to February. There is not a single dry month. Maximum monthly rainfall occurs during the period from March to May.
- **TYPE IV** : Rainfall is more or less evenly distributed throughout the year. This type resembles Type II since it has no dry season.

	<b>4012-III</b>	15°5'	<b>PROVI</b>
5°45'			
5°40'			
		CELEBES SEA	
		CLLLDES SEA	
5°35'			
5°30'		15°5'	125°10'
	12	15°5'	125°1(

### INCE OF SARANGANI



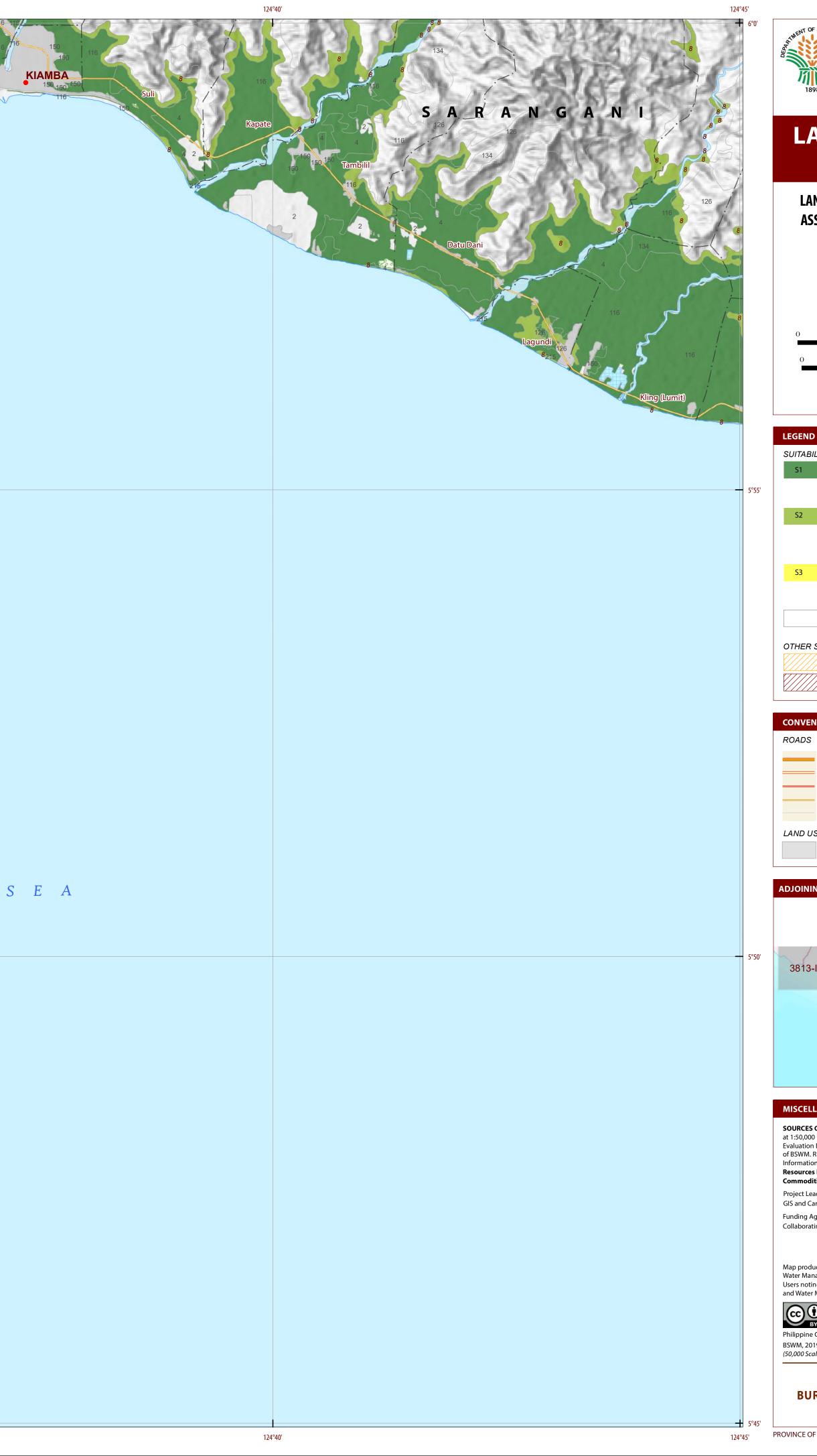
		E	Baliton
B98	A CHILDRENT OF AGRICULT	DEPARA	NT OF AGACULTUR 1898
AND S	UITABI RUBBE		MAP
	ES EVALUATION F STRATEGIC P		
0.5 1	SCALE 1:50 2 3 Kilometers		5
	Miles Miles All political boundaries		
<ul> <li>application of a graphication of a</li></ul>	table - Land having lin ere for sustained applic uctivity or benefits an overall advantage to be a appreciably inferior t able - Land having lim ned application of a gi , or increase required justified.	or limitations that and will not raise mitations which in cation of a given u d increase require e gained from the to that expected o nitations which in iven use and will s	will not signifi- inputs above aggregate are se; the limitations d inputs to the use, although still n class S1 land. aggregate are o reduce produc-
R SIGNS NGP Areas Cacao	Land limit Land use	tation	
INTIONAL SIGNS	OUNDARY	HYDROLOG	V
Expressway Trunk line Primary Secondary Tertiary JSE Built-up	Region Province District Municipalit Barangay Fishpond	Se La PLACES Y ★ Capi	ea / Shoreline kes / Rivers tal City / City tal Town / Town
ING SHEETS		INDE	МАР
<b>4012-I</b> V 4012-IV 4012-III	4012-I 4012-II		
		S. Bar	Bar Bar s
S OF INFORMATION : 1 00 scale. Land resources n Division (ALMED), So . Rice areas obtained frr on System (PRISM) (IRR es Evaluation and Suit dities Project impleme eader : BERN. Cartography : IRVIN Agency : Dep	Topographic information is information from the Ag ils Survey Division (SSD) om the Land Use System Il, 2015). Data analysis an <b>sability Assessment of S</b> nted by BSWM (2017). ARDO B. PASCUA K. SAMALCA artment of Agriculture - I	gricultural Land Man and Laboratory Serv (FAO, 2015) and Phil d compilation throug trategic Production Bureau of Agricultura	agement and ces Division (LSD) ippine Rice gh the <b>Land</b> <b>A Areas for Major</b> al Research (DA-BAR)
S OF INFORMATION : 1 00 scale. Land resources n Division (ALMED), So . Rice areas obtained fro on System (PRISM) (IRR <b>es Evaluation and Suit</b> <b>dities Project</b> impleme eader : BERN. Cartography : IRVIN Agency : Dep ating Agencies : Phili : Dep Agri : Loca duced by the Geomatic	Topographic information is information from the Ag ils Survey Division (SSD) om the Land Use System RI, 2015). Data analysis an <b>cability Assessment of S</b> nted by BSWM (2017). ARDO B. PASCUA K. SAMALCA	gricultural Land Man and Laboratory Serv (FAO, 2015) and Phil d compilation throug trategic Production Bureau of Agricultura ture and Fisheries (P nd Fisheries - ARMM, fice of Region IX, X, X	agement and ices Division (LSD) ippine Rice gh the <b>Land</b> <b>Areas for Major</b> al Research (DA-BAR) CAF) Department of II, XII and XIII (Caraga) es and municipalities
S OF INFORMATION : 1 20 scale. Land resources n Division (ALMED), So . Rice areas obtained fro on System (PRISM) (IRR es Evaluation and Suit dities Project impleme eader : BERN. Cartography : IRVIN Agency : Dep ating Agencies : Phili : Dep Agri : Loca duced by the Geomatic inagement (BSWM). ting errors or omissions er Management. This p Interri- intelle e Government. This pull D19. Land Suitability Ma	Topographic information is information from the Ag- ils Survey Division (SSD) i om the Land Use System RI, 2015). Data analysis an a <b>bility Assessment of S</b> nted by BSWM (2017). ARDO B. PASCUA K. SAMALCA artment of Agriculture - I ppine Council on Agricul artment of Agriculture ar culture Regional Field Of al Government Unit (LGU)	gricultural Land Man and Laboratory Serv (FAO, 2015) and Phil d compilation throug trategic Production Bureau of Agricultura ture and Fisheries (P ad Fisheries - ARMM, fice of Region IX, X, X of covered province chnology Division, B equested to inform the der a Creative Comm therwise noted, cop this publication is ov uted as :	agement and ces Division (LSD) ippine Rice gh the Land Areas for Major Al Research (DA-BAR) CAF) Department of II, XII and XIII (Caraga) as and municipalities ureau of Soils and he Bureau of Soils sons Attribution 4.0 yright and any other yned by the
00 scale. Land resources n Division (ALMED), So . Rice areas obtained fro on System (PRISM) (IRR es Evaluation and Suit dities Project impleme eader : BERN. Cartography : IRVIN Agency : Dep ating Agencies : Phili : Dep Agri : Loca duced by the Geomatic magement (BSWM). ting errors or omissions er Management. This pu Interre- intelle e Government. This pul 019. Land Suitability Ma cale) . CC BY NC SA 4.0. REPUE BEPAR BEPAR SRDC Bldg., Elliptical	Topographic information is information from the Ag- ils Survey Division (SSD) om the Land Use System 2015). Data analysis an <b>sability Assessment of S</b> nted by BSWM (2017). ARDO B. PASCUA K. SAMALCA artment of Agriculture - I ppine Council on Agricul artment of Agriculture ar culture Regional Field Of al Government Unit (LGU) is and Soil Information Te is in this publication are re- publication is licensed un- national License. Unless o ectual property rights, in blication should be attrib	gricultural Land Man and Laboratory Serv (FAO, 2015) and Phil d compilation throug trategic Production Bureau of Agricultura ture and Fisheries (P nd Fisheries - ARMM, fice of Region IX, X, > of covered province chnology Division, B equested to inform the der a Creative Comm therwise noted, cop this publication is of uted as : PROVINCE OF SARANA LIPPINES ICULTURE ER MANAGI Diliman, Quezon City 7	agement and ices Division (LSD) ippine Rice gh the Land Areas for Major Al Research (DA-BAR) CAF) Department of (1, XII and XIII (Caraga) es and municipalities ureau of Soils and he Bureau of Soils cons Attribution 4.0 yright and any other vned by the SANI



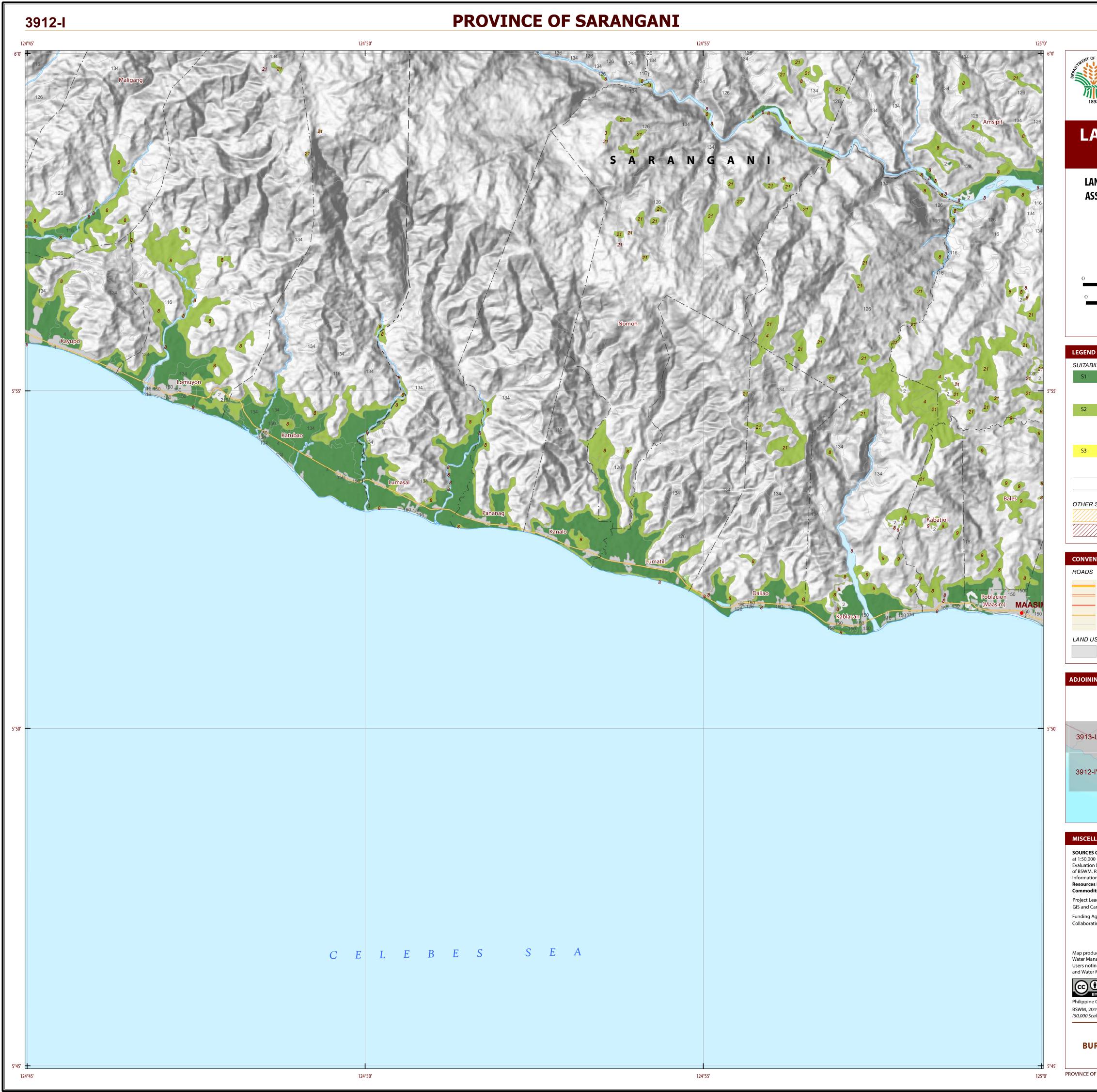
			Cabı	
P98	A CHARACTER A CHAR	Recurrence Party P	DEPART OF	AGALCULTURE 28
AND S	SUITAB RUBB		YMA	<b>\P</b>
	CES EVALUATION OF STRATEGIC			
0.5 1	S SCALE 1:50 2 Kilometers	3	4	5
	1 Miles ransverse Mercator Zone R : All political boundari	2 • 51 N. PRS 199		3
<ul> <li>application of cantly reduce an acceptable</li> <li>Moderately S moderately se will reduce proextent that the attractive, will</li> <li>Marginally Su severe for sust tivity or benefonly marginall</li> </ul>	<ul> <li>Ie - Land having no si a given use, or only m productivity or benefi level.</li> <li>uitable - Land having vere for sustained app oductivity or benefits e overall advantage to be appreciably inferior iitable - Land having ained application of a its, or increase require</li> </ul>	ninor limitatic its and will no plication of a and increase be gained fr or to that exp limitations w given use ar	ons that will no ot raise inputs a which in aggreg given use; the required input om the use, all ected on class hich in aggreg ad will so reduc	t signifi- above gate are limitations s to the chough still S1 land. ate are ce produc-
SIGNS NGP Areas Cacao	Land lin Land us	nitation Se		
NTIONAL SIGN Expressway Trunk line Primary Secondary Tertiary <i>ISE</i> Built-up	S BOUNDARY Region Province District Municipa Barangay	PLACI Nity 😿 ★	OLOGY Sea / Sho Lakes / Ri ES Capital City Capital Tow Mangrove	vers / City
ING SHEETS			INDEX MAP	
<b>4112-</b> -II 4113-I 2-I <b>4112-I</b> 12-II		AR .		
0 scale. Land resour n Division (ALMED), Rice areas obtained on System (PRISM) (I ss Evaluation and So	CRMATION Topographic informatic ces information from the Soils Survey Division (SSI from the Land Use Syste RRI, 2015). Data analysis uitability Assessment of nented by BSWM (2017).	Agricultural La D) and Laborat m (FAO, 2015) and compilation f Strategic Pro-	and Managemen ory Services Divi and Philippine R on through the <b>L</b>	t and sion (LSD) ice <b>and</b>
artography : IRV Agency : D ting Agencies : Ph : D Ag : Lo	RNARDO B. PASCUA 'IN K. SAMALCA epartment of Agriculture ilippine Council on Agriculture griculture Regional Field production and Soll Information	culture and Fisle and Fisheries Office of Regic GU) of covered	neries (PCAF) - ARMM, Departr n IX, X, XI, XII and provinces and m	nent of d XIII (Caraga) unicipalities
nagement (BSWM). ing errors or omissic r Management. Thi BY NC SA Government. This	tics and Soil Information ons in this publication are s publication is licensed ernational License. Unles ellectual property rights, publication should be att Map Series for Rubber of th 0.	e requested to i under a Creativ s otherwise no in this publica ributed as :	inform the Burea ve Commons Attr ted, copyright ar tion is owned by	au of Soils ribution 4.0 nd any other
DEPA REAU OF S SRDC Bldg., Elliptic Tel/Fax No. : (+	UBLIC OF THE PH RTMENT OF AG OILS AND WA cal Road Cor. Visayas Avenu 632) 332-9534 E-mail: <i>bsw</i>	RICULTU TER MAI ue, Diliman, Que ymclientcenter@yd	RE NAGEMEN zon City 1101 ahoo.com	
OF SARANGANI		Sheet.	2 of 16 Sheet	: No. 4112-IV

	3912-IV			Ρ	ROVI
1: 6°0'		4°35'		2 2 116 Pobla	
5°55'					
5°50'	C	E	LE	В Е	S S
5°45' 12		4°35'			

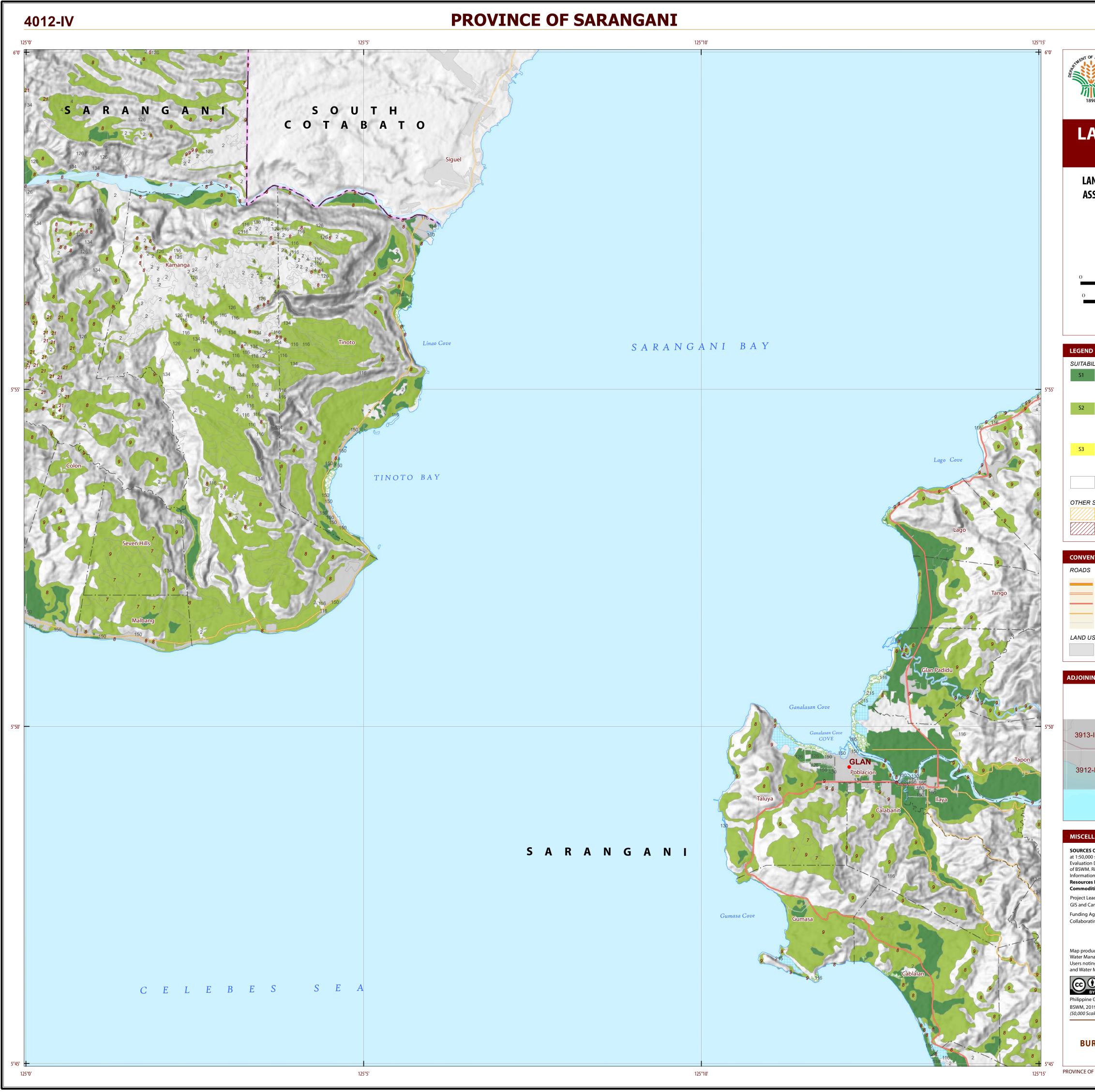
### INCE OF SARANGANI



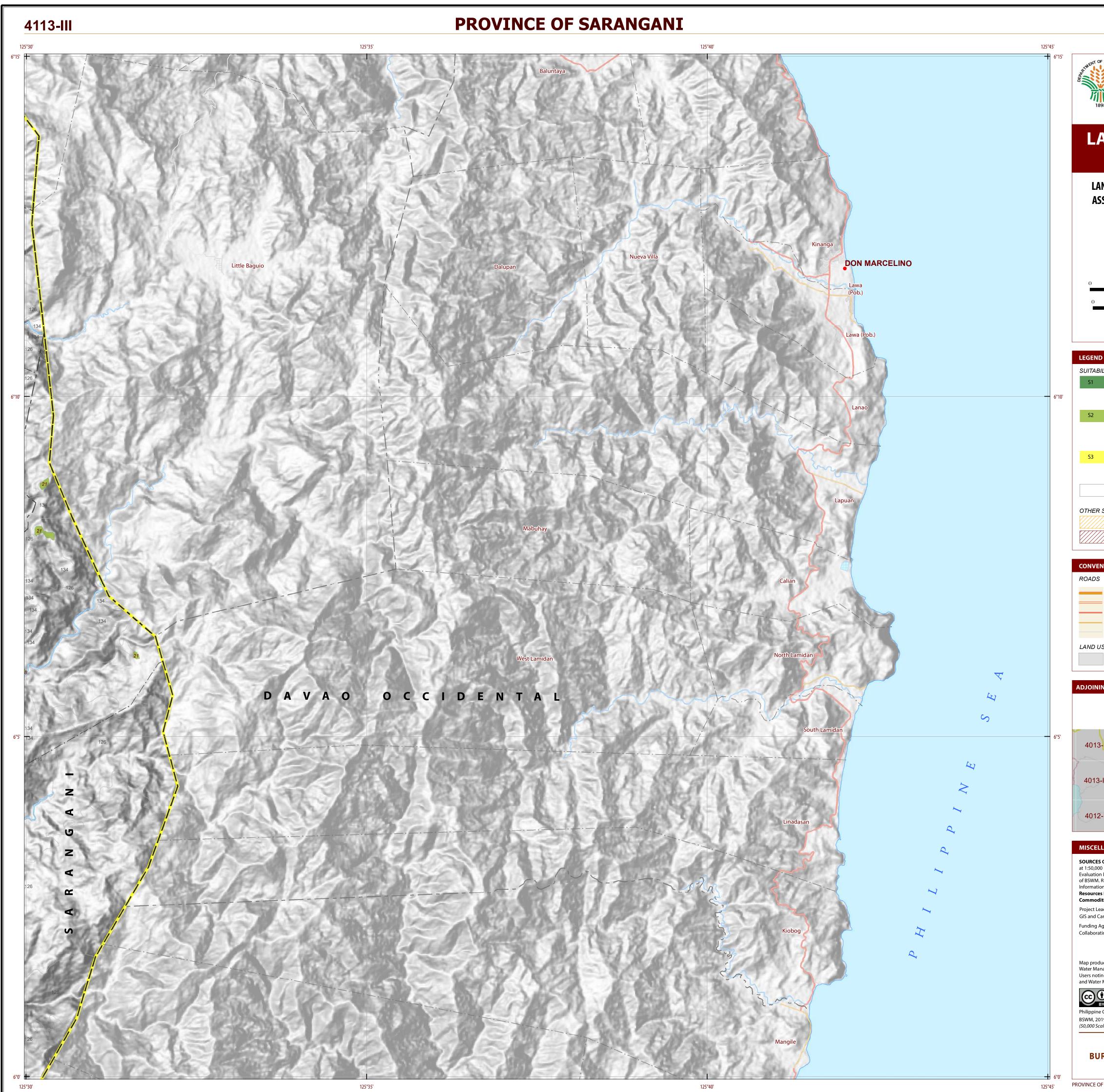
		Kiamba
SP8	Bunner of AGRICULT	ULTURN HEAD
AND S	SUITABI RUBBI	ILITY MAP ER
		ON AND SUITABILITY PRODUCTION AREAS
	W SCALE 1:50	·E 000
0.5 1	-	3 4 5
	Kilometers 1 Miles Fransverse Mercator Zone 5 R : All political boundaries	
D		
<ul> <li>application of cantly reduce an acceptable</li> <li>Moderately Se will reduce prextent that th attractive, will</li> <li>Marginally Se severe for sustivity or benefonly marginal</li> </ul>	ble - Land having no sig a given use, or only min productivity or benefits level. Guitable - Land having l evere for sustained appl oductivity or benefits an e overall advantage to b be appreciably inferior uitable - Land having lin tained application of a g fits, or increase required	unificant limitations to sustained nor limitations that will not signifi- s and will not raise inputs above limitations which in aggregate are lication of a given use; the limitations nd increase required inputs to the be gained from the use, although still r to that expected on class S1 land. mitations which in aggregate are given use and will so reduce produc- l inputs, that this expenditure will be
SIGNS NGP Areas Cacao	Land lim Land use	
NTIONAL SIGN	S	
Expressway Trunk line Primary Secondary Tertiary	BOUNDARY Region Province District Municipali Barangay	HYDROLOGY Sea / Shoreline Lakes / Rivers PLACES ity ★ Capital City / City ● Capital Town / Town
JSE Built-up	Fishpond	Mangrove
<b>3912</b> -11 3913-1	~	INDEX MAP
3913-1		
0 scale. Land resour n Division (ALMED), Rice areas obtained on System (PRISM) ( SE Evaluation and S lities Project implement	I: Topographic information rces information from the A Soils Survey Division (SSD) from the Land Use System IRRI, 2015). Data analysis a suitability Assessment of mented by BSWM (2017).	n taken from NAMRIA Topographic Map Agricultural Land Management and ) and Laboratory Services Division (LSD) n (FAO, 2015) and Philippine Rice nd compilation through the <b>Land</b> <b>Strategic Production Areas for Major</b>
Cartography : IR Agency : D Iting Agencies : P : D A : L	hilippine Council on Agricu lepartment of Agriculture a griculture Regional Field O ocal Government Unit (LGU	- Bureau of Agricultural Research (DA-BAR) ulture and Fisheries (PCAF) and Fisheries - ARMM, Department of Office of Region IX, X, XI, XII and XIII (Caraga) U) of covered provinces and municipalities Technology Division, Bureau of Soils and
nagement (BSWM). ing errors or omission r Management. Th Int	ons in this publication are r is publication is licensed ur ernational License. Unless	requested to inform the Bureau of Soils nder a Creative Commons Attribution 4.0 otherwise noted, copyright and any other
BY NC SA int e Government. This 019. Land Suitability	ellectual property rights, ir	n this publication is owned by the
cale) . CC BY NC SA 4	Map Series for Rubber of the .0.	e PROVINCE OF SARANGANI
R E P DEPA REAU OF S SRDC Bldg., Ellipti	Map Series for Rubber of the .0. UBLIC OF THE PH RTMENT OF AGE	e PROVINCE OF SARANGANI ILIPPINES RICULTURE ER MANAGEMENT e, Diliman, Quezon City 1101



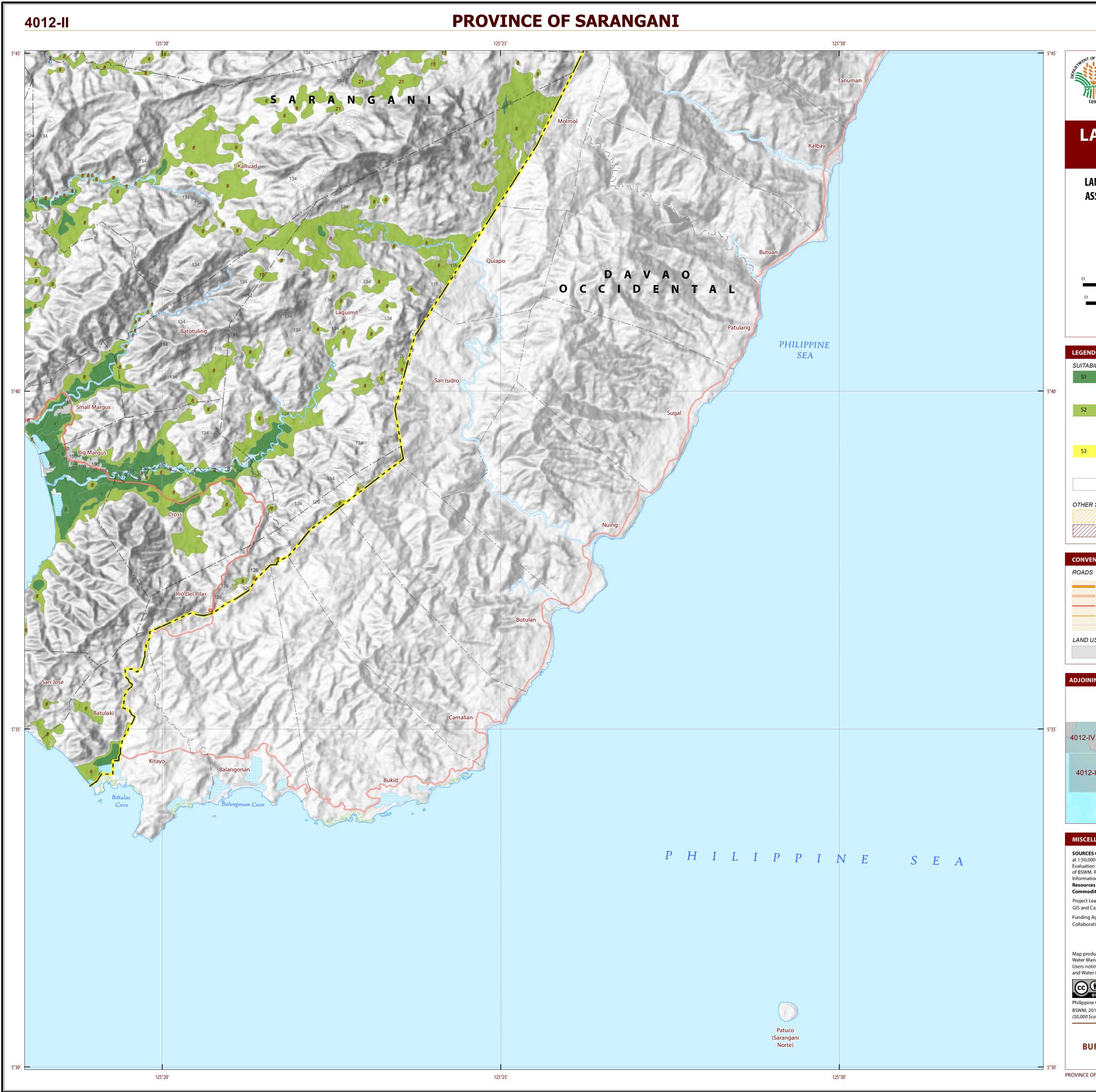
		L	_umuyon	_
S98	Beneficial Action	TURAL PERMIT	1898	
AND SU	JITABI RUBBI		YMAP	
ND RESOURCE SSESSMENT OF				
S	w - () s CALE 1:50	E 000		
	Kilometers			
D				
<ul> <li>application of a giv cantly reduce prod an acceptable leve</li> <li>Moderately Suital moderately severe will reduce produce extent that the over attractive, will be a</li> <li>Marginally Suitab severe for sustaine</li> </ul>	ven use, or only min uctivity or benefits I. <b>ble</b> - Land having I for sustained appli tivity or benefits an erall advantage to b ppreciably inferior <b>ble</b> - Land having lin d application of a c r increase required tified.	nor limitation and will nor imitations w ication of a <u>c</u> nd increase r be gained fro to that expe mitations wh given use an	tations to sustained ns that will not signifi- t raise inputs above hich in aggregate are given use; the limitations required inputs to the om the use, although still ected on class S1 land. hich in aggregate are d will so reduce produc- this expenditure will be	
NGP Areas	Land lim Land use			
NTIONAL SIGNS	UNDARY	HYDRO	DLOGY	
Expressway Trunk line Primary Secondary Tertiary	Region Province District Municipali Barangay	PLACE ty 중 ★ ● ●	Sea / Shoreline Lakes / Rivers S Capital City / City Capital Town / Town	
JSE Built-up	Fishpond	Λ	<b>N</b> angrove	
ING SHEETS			INDEX MAP	
<b>3912-I</b>	4013-III			
-IV <b>3912-I</b>	4012-IV	NRS .		
	4012-III		and a second	
0 scale. Land resources in n Division (ALMED), Soils . Rice areas obtained from on System (PRISM) (IRRI, 2	oographic informatior formation from the A Survey Division (SSD) the Land Use System 2015). Data analysis au	gricultural La and Laborato n (FAO, 2015) a nd compilatio	ory Services Division (LSD) and Philippine Rice	
lities Project implemente eader : BERNAR Cartography : IRVIN K. Agency : Depart iting Agencies : Philipp : Depart Agricul : Local G	ed by BSWM (2017). DO B. PASCUA SAMALCA ment of Agriculture - ine Council on Agricu ment of Agriculture a lture Regional Field O iovernment Unit (LGU	Bureau of Ag Ilture and Fish Ind Fisheries - ffice of Regior J) of covered p	ricultural Research (DA-BAR) eries (PCAF) ARMM, Department of n IX, X, XI, XII and XIII (Caraga) provinces and municipalities	
nagement (BSWM). ing errors or omissions in r Management. This pub	this publication are r plication is licensed ur	equested to ir	vision, Bureau of Soils and nform the Bureau of Soils e Commons Attribution 4.0	
Internat	ional License. Unless ual property rights, ir cation should be attri	otherwise not h this publicati buted as :	ed, copyright and any other ion is owned by the	
DEPART REAU OF SOIL SRDC Bldg., Elliptical Ro		ER MAN	RE IAGEMENT on City 1101	
DF SARANGANI		Sheet 4		]



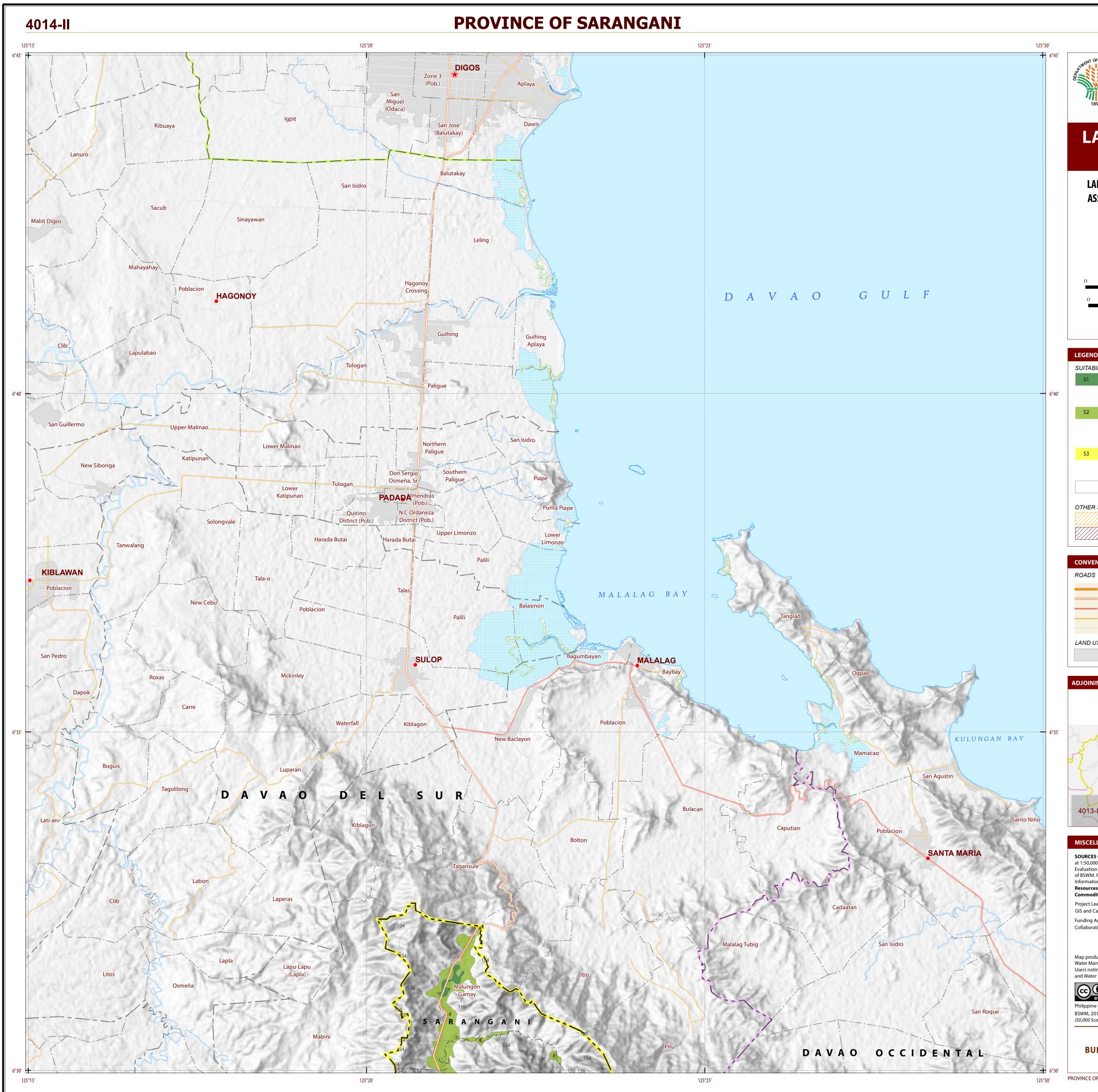
	Т	ango	Maasir	
PF AGRICOLITIES PROVIDENT	A CHART OF AGRICULT		I898	NUTURE
AND S	UITAB RUBB		Y MAP	
	CES EVALUATIO OF STRATEGIC			
	W-	►E		
0.5 1	SCALE 1:50	<b>0000</b> 3	4 5	
Universal Tra	1 Miles Insverse Mercator Zone All political boundarie	51 N. PRS 1992		
D				
BILITY CLASSES Highly Suitable application of a	roductivity or benefi	inor limitatior	ns that will not signifi	-
moderately seve will reduce proc extent that the attractive, will b	ere for sustained app ductivity or benefits a overall advantage to	lication of a g and increase r be gained fro r to that expe	hich in aggregate are iven use; the limitatio equired inputs to the m the use, although cted on class S1 land ich in aggregate are	ons still
	s, or increase require justified.		d will so reduce produ this expenditure will	
SIGNS NGP Areas Cacao	Land lin Land us	nitation e		
NTIONAL SIGNS				
Expressway Trunk line Primary Secondary	BOUNDARY Region Province District Municipa	HYDRC PLACE	Sea / Shoreline Lakes / Rivers	
Tertiary	Barangay Fishpond	en anton	Capital Town / Town	n
ING SHEETS			NDEX MAP	
4012-	IV			
-II 4013-III 2-I <b>4012-IV</b>	1	A		
4012	-111 4012-11	-Maria		a contraction of the contraction
LANEOUS INFO				
5 OF INFORMATION : 10 scale. Land resource n Division (ALMED), So Rice areas obtained fi on System (PRISM) (IR <b>s Evaluation and Sui</b> <b>lities Project</b> implement eader : BERN Cartography : IRVIN Agency : Dep	Topographic informatic es information from the bils Survey Division (SSE rom the Land Use Syste RI, 2015). Data analysis tability Assessment o ented by BSWM (2017). IARDO B. PASCUA N K. SAMALCA partment of Agriculture	Agricultural Lar D) and Laborato m (FAO, 2015) a and compilation <b>f Strategic Proc</b> - Bureau of Agr	ry Services Division (LSE nd Philippine Rice n through the <b>Land</b> <b>Juction Areas for Majo</b> icultural Research (DA-E	)) r
: Dep Agr : Loc luced by the Geomatic nagement (BSWM).	al Government Unit (LG cs and Soil Information	and Fisheries - Office of Regior U) of covered p Technology Div		ities d
r Management. This DODO BY NC SA Covernment. This pu	publication is licensed of national License. Unless lectual property rights, ublication should be att ap Series for Rubber of th	under a Creative s otherwise not in this publicati ributed as :	e Commons Attribution ed, copyright and any of on is owned by the	4.0
DEPAR REAU OF SC SRDC Bldg., Elliptica	BLIC OF THE PH TMENT OF AG DILS AND WA I Road Cor. Visayas Avenu 32) 332-9534 E-mail: bsw	RICULTU TER MAN e, Diliman, Quezo	RE IAGEMENT on City 1101	-
DF SARANGANI		Sheet 5	of 16 Sheet No. 401	2-IV



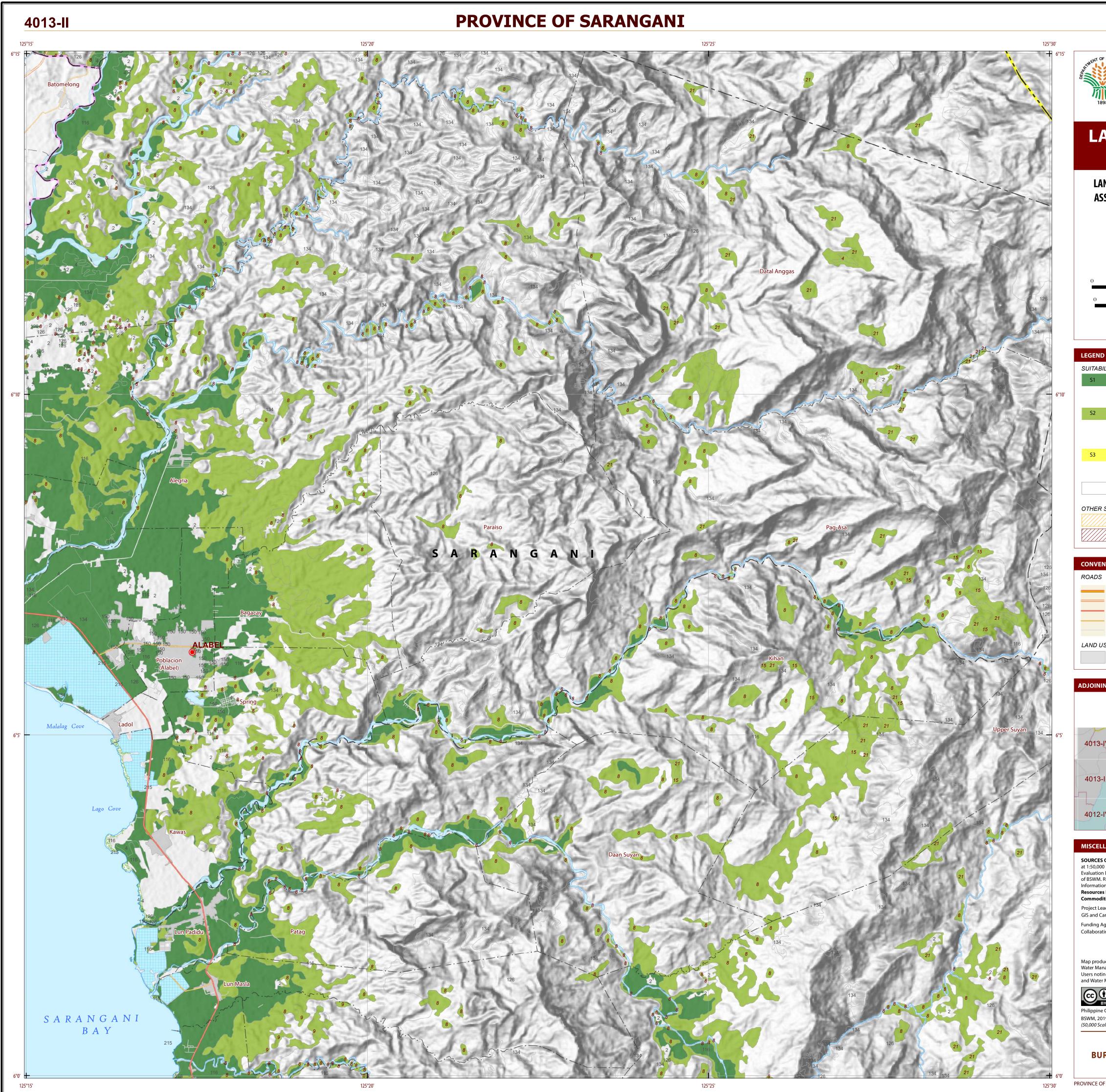
	Kalian
Property of AGRICULTURE	1898
AND SUITABILI RUBBER	ΓΥ ΜΑΡ
ND RESOURCES EVALUATION AN SSESSMENT OF STRATEGIC PRODU	
SCALE 1:50 000           0.5         1         2         3	4 5
0.5 1 Kilometers Miles	3
Universal Transverse Mercator Zone 51 N. PRS DISCLAIMER : All political boundaries are not a	
D	
BILITY CLASSES Highly Suitable - Land having no significant application of a given use, or only minor limit cantly reduce productivity or benefits and wil an acceptable level. Moderately Suitable - Land having limitation moderately severe for sustained application of	ations that will not signifi- I not raise inputs above ns which in aggregate are
<ul> <li>will reduce productivity or benefits and increate extent that the overall advantage to be gained attractive, will be appreciably inferior to that or marginally Suitable - Land having limitation severe for sustained application of a given use tivity or benefits, or increase required inputs, only marginally justified.</li> <li>Not Suitable/ Not Relevant</li> </ul>	ase required inputs to the d from the use, although still expected on class S1 land. s which in aggregate are e and will so reduce produc-
SIGNS       NGP Areas       Cacao         1116   Land limitation Land use	
NTIONAL SIGNS	
BOUNDARY HY	DROLOGY
Expressway Trunk line Primary Secondary Tertiary Primary Barangay	Sea / Shoreline Lakes / Rivers ACES Capital City / City Capital Town / Town
Trunk line Province Primary District PL	Lakes / Rivers
Trunk line Province Primary District PL Secondary Municipality & Tertiary Barangay O	Lakes / Rivers ACES Capital City / City Capital Town / Town
Trunk line Province Primary District PL Secondary Municipality $ earrow Barangay e USE Built-up Fishpond$	Lakes / Rivers ACES Capital City / City Capital Town / Town
Trunk line Primary Secondary Tertiary Barangay <b>OSE</b> Built-up <b>ING SHEETS</b>	Lakes / Rivers ACES Capital City / City Capital Town / Town
Trunk line Primary Secondary Tertiary Built-up Fishpond NG SHEETS A1113-III 4113-III	Lakes / Rivers ACES Capital City / City Capital Town / Town
Trunk line Primary Secondary Tertiary	Lakes / Rivers ACES Capital City / City Capital Town / Town
Trunk line Primary Secondary Tertiary Built-up Fishpond NG SHEETS A1113-III 4113-III	<ul> <li>Lakes / Rivers</li> <li>Capital City / City</li> <li>Capital Town / Town</li> <li>Capital Town / Town</li> <li>Mangrove</li> <li>INDEX MAP</li> <li>INDEX MAP</li> <li>INDEX MAP</li> </ul>
Trunk line Primary Secondary Tertiary Built-up Fishpond CSE Built-up Fishpond CSE Built-up Fishpond CSE CNG SHEETS CATURE SHEETS	Lakes / Rivers ACES Capital City / City Capital Town / Town Mangrove INDEX MAP INDEX MAP Output:
Trunk line Primary Secondary Tertiary Built-up Built-up Fishpond F	Lakes / Rivers     Lakes /
Trunk line   Primary   Secondary   Tertiary   Built-up   Fishpond <b>ING SHEETS A1113-III 4113-III 4113-III 4113-III 4113-III 5 5 1</b> <	Lakes / Rivers      L



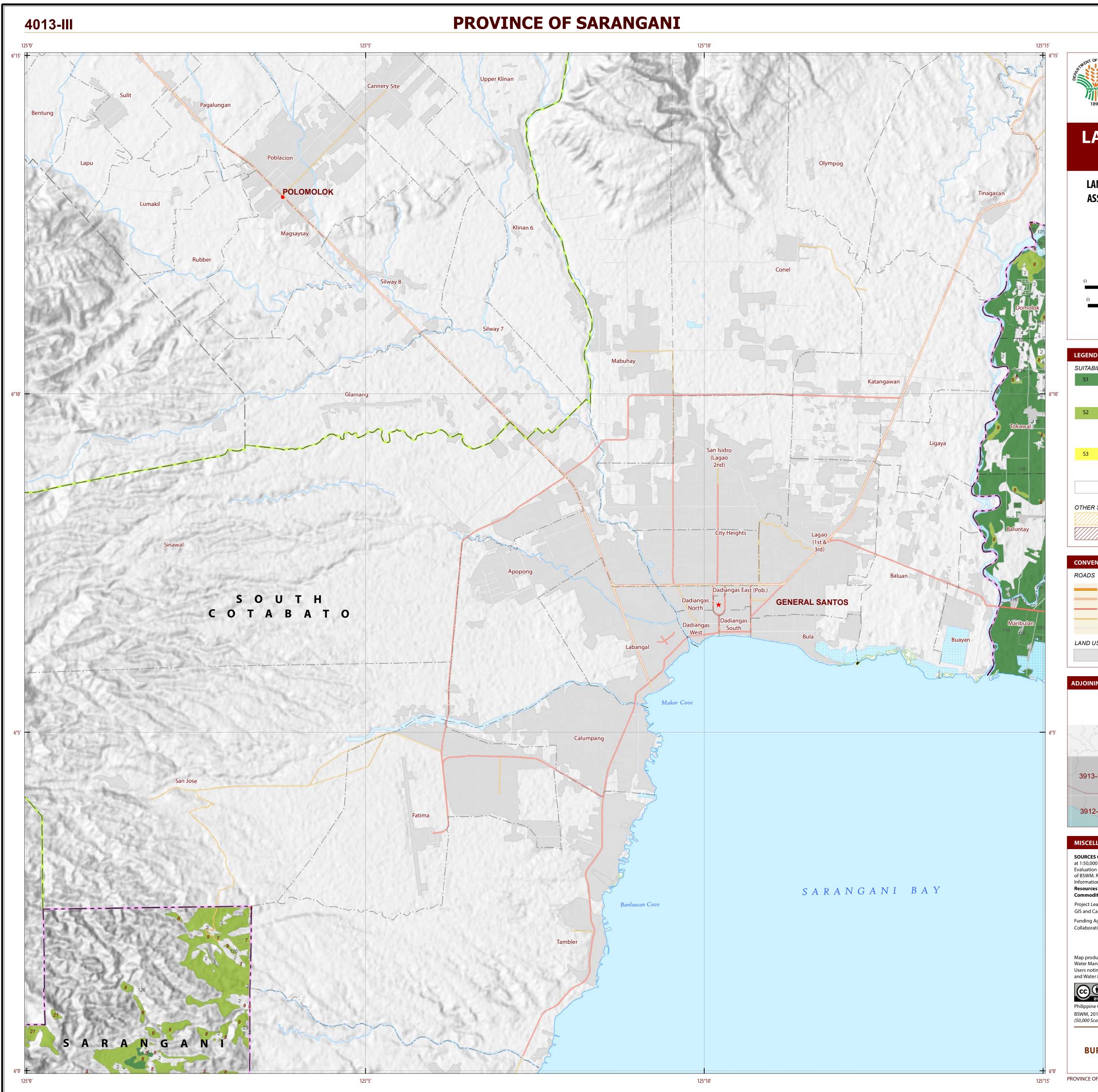
	Μ	argu	s Grande	•
Solar Colored States	PGLIMENT OF AGRICUL	RCULTURAL INSIDE	1898	
AND S	UITAB RUBB		Y MAP	
	CES EVALUATI DF STRATEGIC N			
	w - S	È E		
0.5 1	SCALE 1:5	3	4 5	
	1 Miles ansverse Mercator Zone : All political boundari			
D				
BILITY CLASSES Highly Suitabl application of a cantly reduce p an acceptable b Moderately Su	roductivity or benef evel. iitable - Land having	ninor limitation its and will no	ns that will not signifi- t raise inputs above /hich in aggregate are	
will reduce prod extent that the attractive, will b	ductivity or benefits overall advantage to be appreciably inferio	and increase be gained fr or to that exp	given use; the limitation required inputs to the om the use, although sti ected on class S1 land. hich in aggregate are	
severe for susta	ined application of a s, or increase require justified.	a given use ar	d will so reduce produce t this expenditure will be	
SIGNS NGP Areas Cacao	Land lin Land us	mitation se		
<b>NTIONAL SIGNS</b>				
Expressway Trunk line Primary Secondary Tertiary	BOUNDARY Region Province District Municipa Barangay	PLACI ality 😿 ★	OLOGY Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town	
Expressway Trunk line Primary Secondary Tertiary	BOUNDARY Region Province District Municipa Barangay	PLACI ality 😿 ★	Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town	
Expressway Trunk line Primary Secondary Tertiary USE Built-up ING SHEETS 40112-	BOUNDARY Region Province District Municipa Barangay	PLACI ality 😿 ★	Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town	
Expressway Trunk line Primary Secondary Tertiary USE Built-up ING SHEETS 4012-1	BOUNDARY Region Province District Municipa Barangay	PLACI ality 😿 ★	Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town Mangrove	
Expressway Trunk line Primary Secondary Tertiary USE Built-up ING SHEETS 4012-1	BOUNDARY Region Province District Municipa Barangay	PLACI ality 😿 ★	Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town Mangrove	
Expressway Trunk line Primary Secondary Tertiary // Built-up // A012-I -III 4012-I	BOUNDARY Region Province District Municipa Barangay	PLACI ality 😿 ★	Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town Mangrove	
Expressway Trunk line Primary Secondary Tertiary	BOUNDARY Region Province District Municipa Barangay Fishpond Fishpond A112-IV A112-IV A112-IV RMATION RMATION RMATION Topographic informati es information from the oils Survey Division (SS from the Land Use Syste (RI, 2015). Data analysis itability Assessment of ented by BSWM (2017). NARDO B. PASCUA NK. SAMALCA partment of Agriculture riculture Regional Field	PLAC PLAC	Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town Mangrove INDEX MAP UNDEX MAP	ga)
Expressway Trunk line Primary Secondary Tertiary USE Built-up UNG SHEETS Ad012-I 4012-I 4012-I 4012-I U11 4012-II 4012-II COF INFORMATION : 0 scale. Land resource n Division (AUMED), S Rice areas obtained (R So F INFORMATION : 0 scale. Land resource n Division (AUMED), S Rice areas obtained (R Ses Evaluation and Su lities Project implem Eader : BERPI Cartography : IRVII Agency : De ting Agencies : Phi : De ting Agencies : Phi	RMATION Topographic informati es information from the oils Survey Division (SS rom the Land Use Syste ritability Assessment of RR, 2015). Data analysis itability Assessment of ented by BSWM (2017). NARDO B. PASCUA NK. SAMALCA partment of Agriculture lippine Council on Agri partment of Agriculture lippine Council on Agri liphine C	PLACE PL	Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town Mangrove INDEX MAP UNDEX MAP	ga) es
Expressway Trunk line Primary Secondary Tertiary USE Built-up USE Built-up USE Built-up USE Built-up UAU UU UU UU UU UU UU UU UU U	RILATION Topographic information Sinto analysis Sitability Assessment of RRI, 2015). Data analysis Sitability Assessment of Sitability Asse	PLACE PL	Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town Mangrove INDEX MAP INDEX MAP INDEX MAP INDEX MAP INDEX MAP	ga) 25
Expressway Trunk line Primary Secondary Tertiary USE Built-up USE Built-up USE Built-up USE Built-up UI UI UI UI UI UI UI UI UI UI	RILATION Topographic information Sinto analysis Sitability Assessment of RRI, 2015). Data analysis Sitability Assessment of Sitability Asse	PLACE PL	Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town Mangrove INDEX MAP INDEX MAP IND	ga) 25



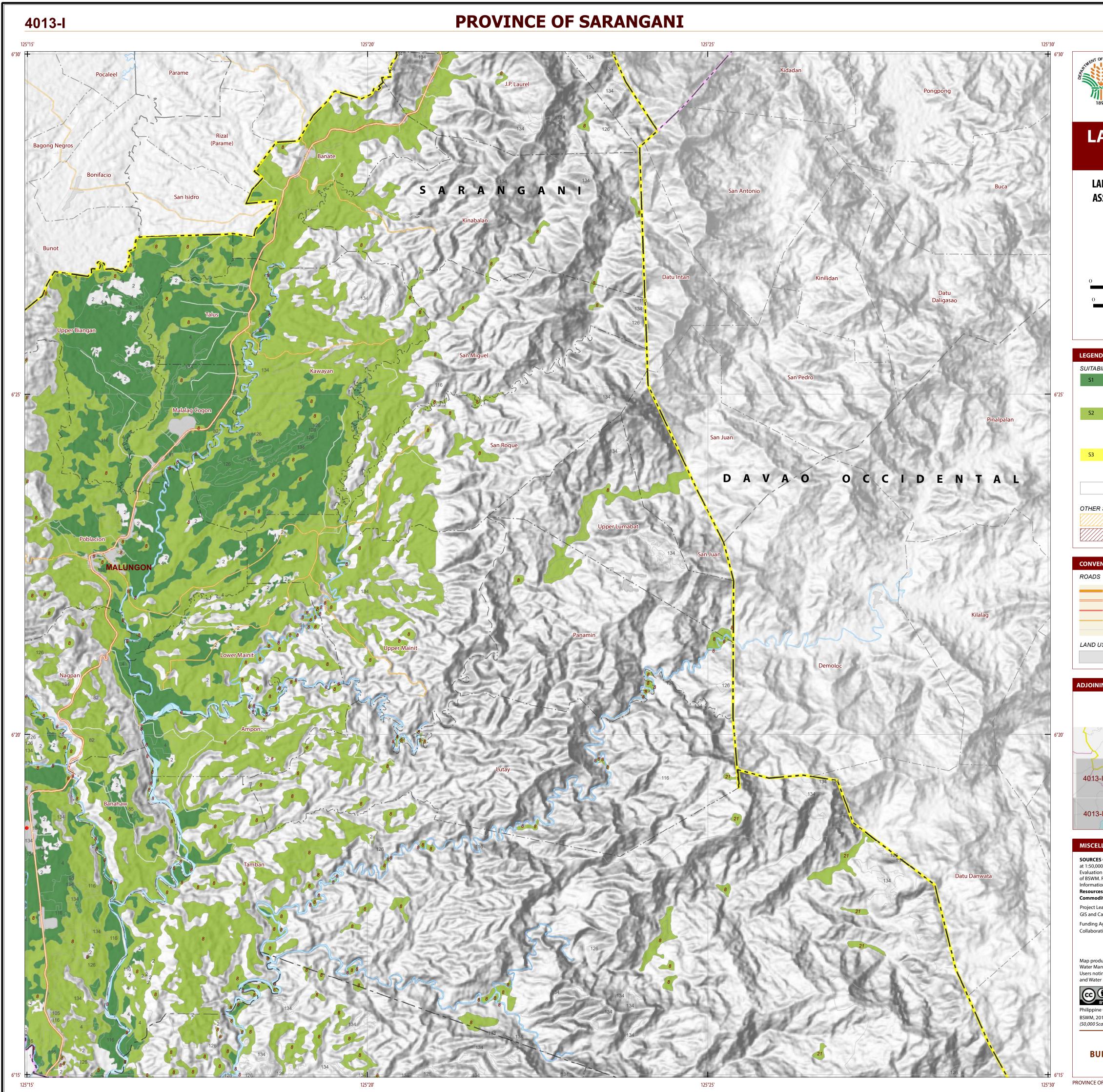
		Pac	dada
B98	Sound of AGRICULTURAL	EPACTOR PROVIDENT OF 18	F A GAICULTURE 98
AND SU F	UTABIL RUBBEF		AP
ND RESOURCES			
	W-E S		
0.5 1	2 3	4 	5
0.5 1	Kilometers Miles	2	3
	erse Mercator Zone 51 N. political boundaries are		
D			
application of a give	and having no signific en use, or only minor l uctivity or benefits and	imitations that will n	ot signifi-
Moderately Suitab moderately severe t will reduce product extent that the over	• • <b>Je</b> - Land having limita for sustained applicati ivity or benefits and ir rall advantage to be ga opreciably inferior to t	on of a given use; the acrease required inpu ained from the use, a	e limitations uts to the Ithough still
Marginally Suitabl	le - Land having limita l application of a giver increase required inp	tions which in aggree n use and will so redu	gate are ice produc-
Not Suitable/ Not	Relevant		
SIGNS NGP Areas Cacao	Land limitation	on	
NTIONAL SIGNS			
Expressway BOL Trunk line Primary Secondary	INDARY Region Province District Municipality	HYDROLOGY Sea / Sh Lakes / F PLACES Tapital City	Rivers
Tertiary	Fishpond	<ul> <li>Capital Tov</li> <li>Mangrove</li> </ul>	vn / Town
ING SHEETS		INDEX MAR	>
4014-II			2 Alexandre
4014-II	La R		
-IV 4013-I		the state of the s	
			raphi- *4
5 OF INFORMATION : Topo 10 scale. Land resources inf 11 Division (ALMED), Soils S 12 Rice areas obtained from 13 on System (PRISM) (IRRI, 2 14 se Evaluation and Suitabi 14 lities Project implemente 15 eader : BERNARE	ormation from the Agricu Survey Division (SSD) and the Land Use System (FAG 015). Data analysis and co <b>lity Assessment of Strat</b>	ultural Land Manageme Laboratory Services Div O, 2015) and Philippine ompilation through the	nt and vision (LSD) Rice <b>Land</b>
ting Agencies : Philippin : Departr Agricult : Local Ge	nent of Agriculture - Bure ne Council on Agriculture nent of Agriculture and F cure Regional Field Office overnment Unit (LGU) of o	e and Fisheries (PCAF) isheries - ARMM, Depar of Region IX, X, XI, XII an covered provinces and i	tment of nd XIII (Caraga) municipalities
luced by the Geomatics ar nagement (BSWM). ing errors or omissions in r Management.			
This public This public This public Internation intellecture Government. This public D19. Land Suitability Map Se		rwise noted, copyright a publication is owned b d as :	and any other
DEPARTN			
REAU OF SOIL SRDC Bldg., Elliptical Roa	IC OF THE PHILII IENT OF AGRIC S AND WATER d Cor. Visayas Avenue, Dilin	ULTURE MANAGEME	NT
SRDC Bldg., Elliptical Roa	IENT OF AGRIC	ULTURE MANAGEME nan, Quezon City 1101 tcenter@yahoo.com	NT eet No. 4014-II



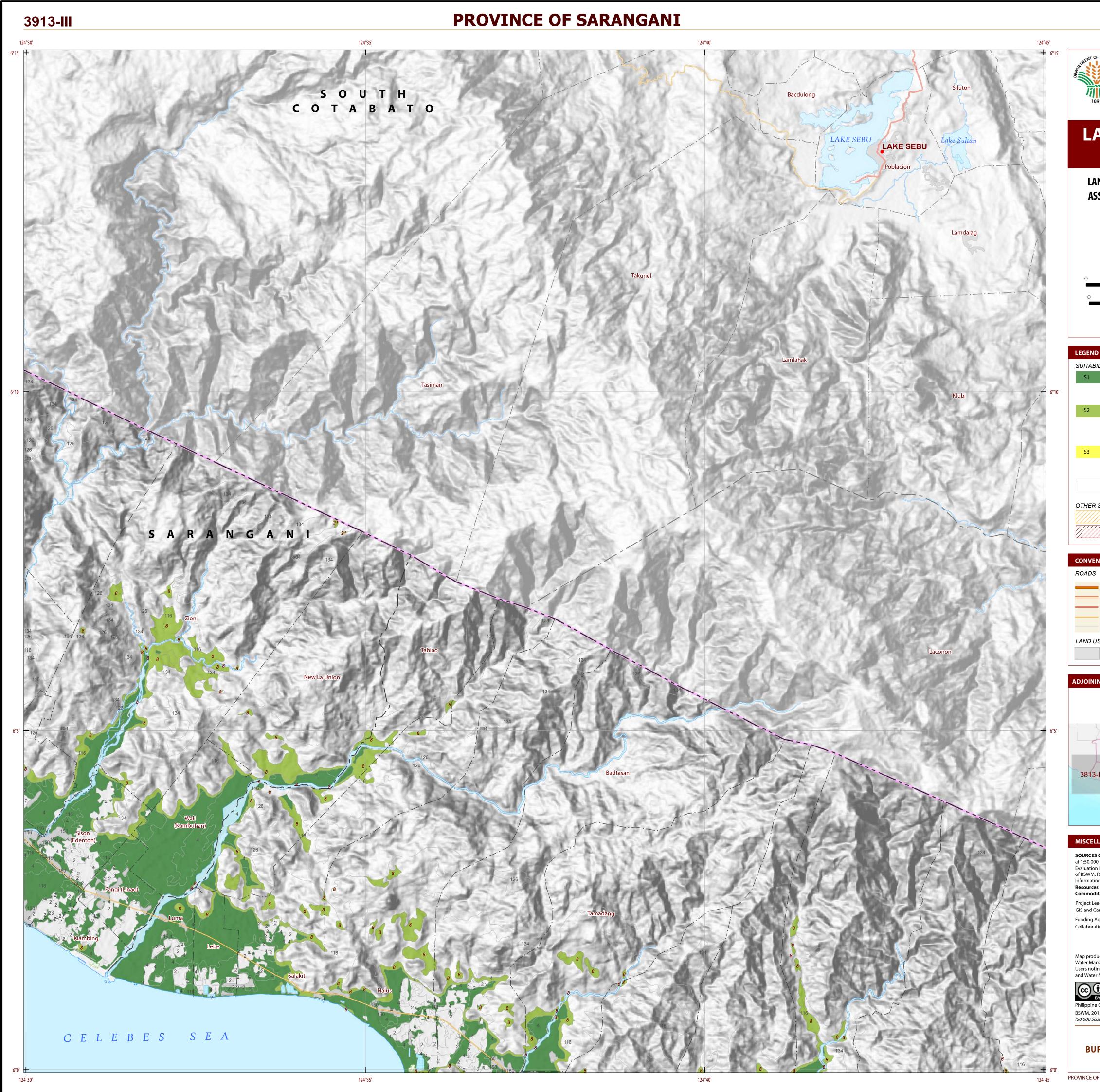
				Alabel
NENT OF AGRICULT	or the second	NT OF AGRICULTUR	DEPARy	I898
LAND		TABIL JBBE		ΜΑΡ
LAND RESO ASSESSME				
	SCAL	s.E 1:500	00	
0 0.5 1	1	3 Kilometers Miles	4 2	3 3
		ercator Zone 51 N cal boundaries arc		
<ul> <li>applicatio cantly red an accept</li> <li>Moderate will reduc extent tha attractive,</li> <li>S3 Marginal severe for tivity or b only marg</li> </ul>	iitable - Land h on of a given us uce productivi able level. ely Suitable - L ly severe for su e productivity at the overall ac will be apprece ly Suitable - La sustained app	ty or benefits ar and having limi stained applicat or benefits and dvantage to be g iably inferior to and having limit lication of a give ease required in	limitations th ad will not rais tations which tion of a given increase requi gained from th that expected ations which i en use and wil	at will not signifi-
THER SIGNS NGP Area Cacao	s 1	Land limitat	ion	
DADS Expresswa Trunk line Primary Secondary Tertiary ND USE Built-up	BOUNDA	RY Region Province District Municipality Barangay	PLACES	Sea / Shoreline Lakes / Rivers pital City / City pital Town / Town
JOINING SHEETS			IND	EX MAP
013-IV 40 013-III <b>40</b>		13-III 12-IV		
SCELLANEOUS I URCES OF INFORMA 1:50,000 scale. Land re	TION : Topograp	hic information ta tion from the Agri	cultural Land M	anagement and
nding Agency laborating Agencies	ained from the La SM) (IRRI, 2015). [ <b>nd Suitability A</b> nplemented by B : BERNARDO B. F : IRVIN K. SAMA : Department c : Philippine Cou : Department c Agriculture Re : Local Governi	and Use System (Fr Data analysis and o ssessment of Stra SWM (2017). PASCUA LCA of Agriculture - Bu uncil on Agricultur of Agriculture and egional Field Offic ment Unit (LGU) o	AO, 2015) and P compilation thro ategic Producti reau of Agricult re and Fisheries Fisheries - ARM e of Region IX, X f covered provir	hilippine Rice bugh the <b>Land</b> <b>on Areas for Major</b> ural Research (DA-BAR) (PCAF) M, Department of C, XI, XII and XIII (Caraga) nees and municipalities
p produced by the Get ter Management (BSV ers noting errors or or d Water Management by by NC SA lippine Government.	VM). nissions in this pu This publicatio International L intellectual pro	ublication are requ n is licensed unde icense. Unless oth perty rights, in th	uested to inform r a Creative Con erwise noted, co is publication is	the Bureau of Soils nmons Attribution 4.0 opyright and any other
NM, 2019. Land Suitab ,000 Scale) . CC BY NC	bility Map Series for SA 4.0.		OVINCE OF SARA	INGANI
BUREAU O SRDC Bldg., E	F SOILS A Elliptical Road Cor. Io. : (+632) 332-9534		R MANAC	y 1101 vm



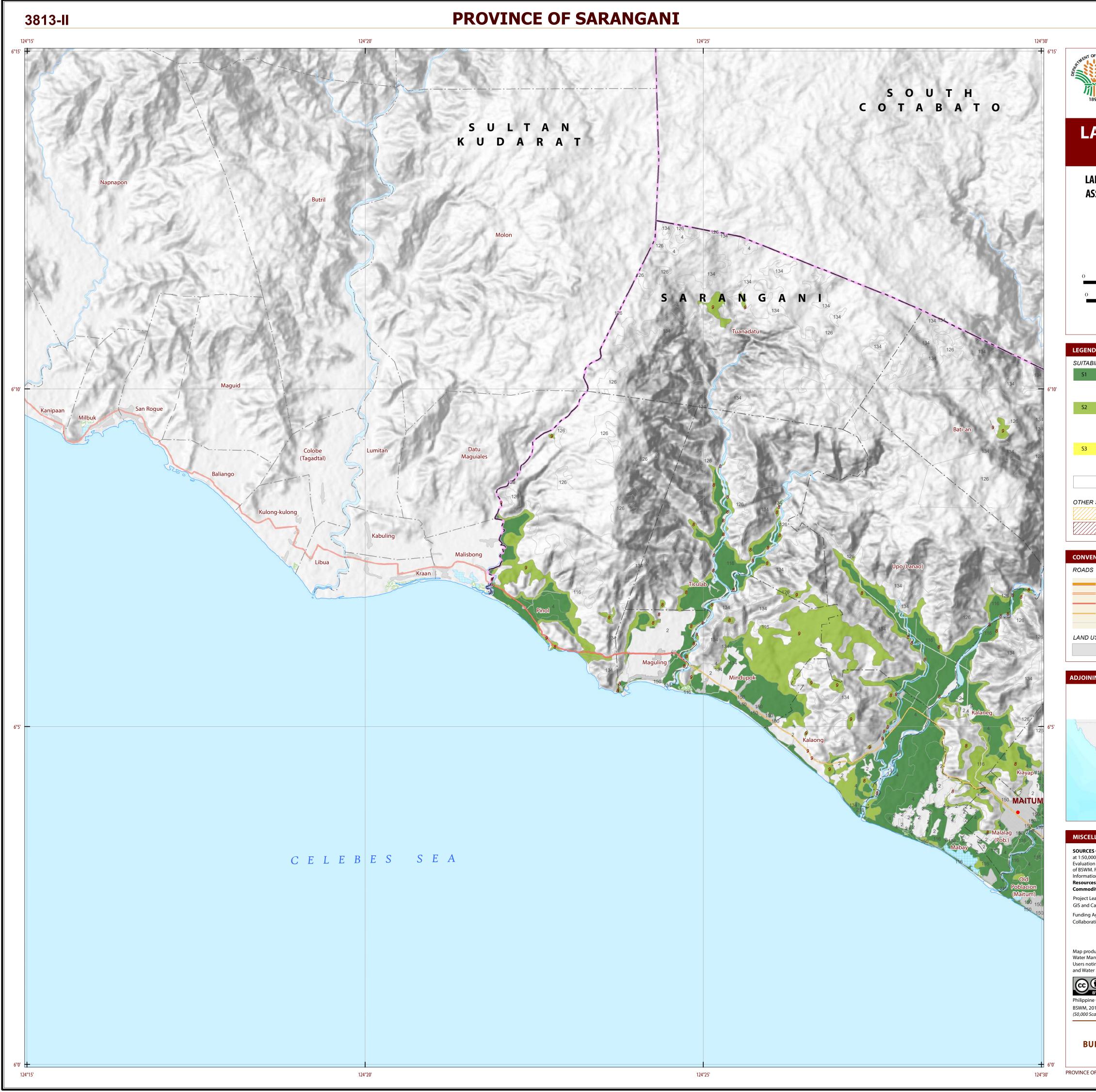
General Santos City	I 
Source and the second s	
AND SUITABILITY MAP RUBBER	
ND RESOURCES EVALUATION AND SUITABILITY SSESSMENT OF STRATEGIC PRODUCTION AREAS	
W - E S SCALE 1:50 000	
0.5 1 2 3 4 5	
Kilometers 0.5 1 2 3 Miles Universal Transverse Mercator Zone 51 N. PRS 1992 Datum DISCLAIMER : All political boundaries are not authoritative.	
<ul> <li>BILITY CLASSES</li> <li>Highly Suitable - Land having no significant limitations to sustained application of a given use, or only minor limitations that will not significantly reduce productivity or benefits and will not raise inputs above an acceptable level.</li> </ul>	
<b>Moderately Suitable</b> - Land having limitations which in aggregate are moderately severe for sustained application of a given use; the limitations will reduce productivity or benefits and increase required inputs to the extent that the overall advantage to be gained from the use, although sti attractive, will be appreciably inferior to that expected on class S1 land.	
Marginally Suitable - Land having limitations which in aggregate are severe for sustained application of a given use and will so reduce produc- tivity or benefits, or increase required inputs, that this expenditure will be only marginally justified. Not Suitable/ Not Relevant	
NGP Areas     1     Land limitation       Cacao     Land use	
NTIONAL SIGNS	
BOUNDARY     HYDROLOGY       Expressway     Region       Trunk line     Province       Primary     District	
Secondary Tertiary <i>Municipality Secondary Tertiary</i> <i>Municipality Secondary Capital City / City</i> <i>Barangay Capital Town / Town</i> <i>ISE</i> <i>Built-up</i> <i>Fishpond</i> <i>Municipality Mangrove</i>	
ING SHEETS     INDEX MAP       4013-III     Image: Comparison of the second se	
4013-IV 4013-I	
2-I 4012-IV 4012-I	
	3
LANEOUS INFORMATION S OF INFORMATION : Topographic information taken from NAMRIA Topographic Map 00 scale. Land resources information from the Agricultural Land Management and n Division (ALMED), Soils Survey Division (SSD) and Laboratory Services Division (LSD) . Rice areas obtained from the Land Use System (FAO, 2015) and Philippine Rice on System (PRISM) (IRRI, 2015). Data analysis and compilation through the Land es Evaluation and Suitability Assessment of Strategic Production Areas for Major lities Project implemented by BSWM (2017).	
eader : BERNARDO B. PASCUA Cartography : IRVIN K. SAMALCA Agency : Department of Agriculture - Bureau of Agricultural Research (DA-BAF iting Agencies : Philippine Council on Agriculture and Fisheries (PCAF) : Department of Agriculture and Fisheries - ARMM, Department of Agriculture Regional Field Office of Region IX, X, XI, XII and XIII (Carag : Local Government Unit (LGU) of covered provinces and municipalitie	a)
luced by the Geomatics and Soil Information Technology Division, Bureau of Soils and inagement (BSWM). ing errors or omissions in this publication are requested to inform the Bureau of Soils r Management.	
This publication is licensed under a Creative Commons Attribution 4.0 International License. Unless otherwise noted, copyright and any othe intellectual property rights, in this publication is owned by the e Government. This publication should be attributed as : D19. Land Suitability Map Series for Rubber of the PROVINCE OF SARANGANI cale). CC BY NC SA 4.0.	
REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE IREAU OF SOILS AND WATER MANAGEMENT SRDC Bldg., Elliptical Road Cor. Visayas Avenue, Diliman, Quezon City 1101 Tel/Fax No. : (+632) 332-9534 E-mail : bswmclientcenter@yahoo.com	
DF SARANGANI Sheet 10 of 16 Sheet No. 4013-	 



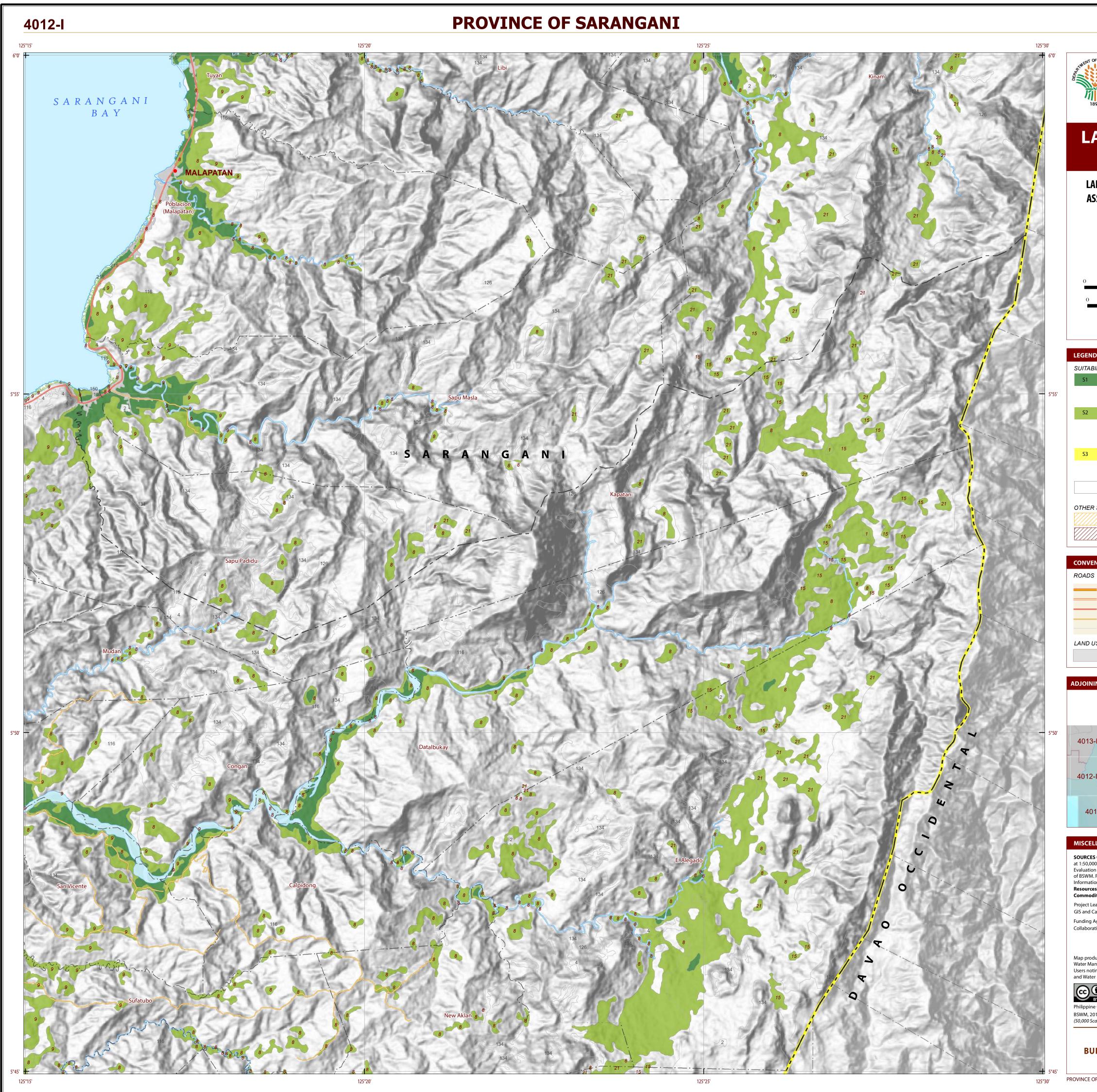
		K	abayaw	a
JF AGP/CULTURE 1998	annent OF AGRICCI	PCULTURAL INSIDE	North OF 4GA	CULTURE
AND S	UITAB RUBB		Υ ΜΑΡ	
	CES EVALUATIO DF STRATEGIC			
	w- s SCALE 1:50	≻Е 0 000		
0.5 1	2 Kilometers 1 Miles	2	4 5 	
	nsverse Mercator Zone All political boundario			
BILITY CLASSES Highly Suitable application of a cantly reduce p an acceptable le Moderately Su moderately sev will reduce proc extent that the	roductivity or benefi evel. <b>itable</b> - Land having ere for sustained app ductivity or benefits overall advantage to	inor limitation ts and will no limitations v plication of a and increase be gained fr	ons that will not signif	e ions e still
severe for susta	ined application of a s, or increase require justified.	given use ar	hich in aggregate are Id will so reduce prod t this expenditure wil	luc-
SIGNS NGP Areas Cacao	Land lir Land us	nitation se		
NTIONAL SIGNS				
Expressway Trunk line Primary Secondary Tertiary	Region Province District Municipa Barangay	PLAC	OLOGY Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Tow	'n
JSE Built-up	Fishpond		Mangrove	
ING SHEETS	·I			
4014-II -IV <b>4013-I</b> -III 4013-II	4113-111	- 13. ·		
		on takon from	MAMPIA Topographic Ma	
00 scale. Land resource n Division (ALMED), So Rice areas obtained f on System (PRISM) (IR <b>es Evaluation and Sui</b> <b>lities Project</b> implement cader : BERN Cartography : IRVIN	es information from the bils Survey Division (SSI rom the Land Use Syste RI, 2015). Data analysis itability Assessment o ented by BSWM (2017). NARDO B. PASCUA N K. SAMALCA	Agricultural La D) and Laborat m (FAO, 2015) and compilatic <b>f Strategic Pro</b>	ory Services Division (LS and Philippine Rice on through the <b>Land</b> oduction Areas for Majo	D) or
iting Agencies : Phil : Deg Agr : Loc luced by the Geomati nagement (BSWM).	lippine Council on Agric partment of Agriculture iculture Regional Field al Government Unit (LC cs and Soil Information	culture and Fish and Fisheries Office of Regic GU) of covered Technology Di	pricultural Research (DA- neries (PCAF) - ARMM, Department of n IX, X, XI, XII and XIII (Ca provinces and municipa vision, Bureau of Soils ar nform the Bureau of So	araga) lities nd
This This This Inter intel e Government. This pu D19. Land Suitability Ma cale) . CC BY NC SA 4.0	national License. Unles lectual property rights, ublication should be att ap Series for Rubber of th	s otherwise no in this publica ributed as : <i>he PROVINCE O</i>	F SARANGANI	
DEPAR REAU OF SC SRDC Bldg., Elliptica	BLIC OF THE PH TMENT OF AG DILS AND WA I Road Cor. Visayas Avenu 32) 332-9534 E-mail: bsw	RICULTU TER MAI ne, Diliman, Que rmclientcenter@yo	RE NAGEMENT zon City 1101	013-I



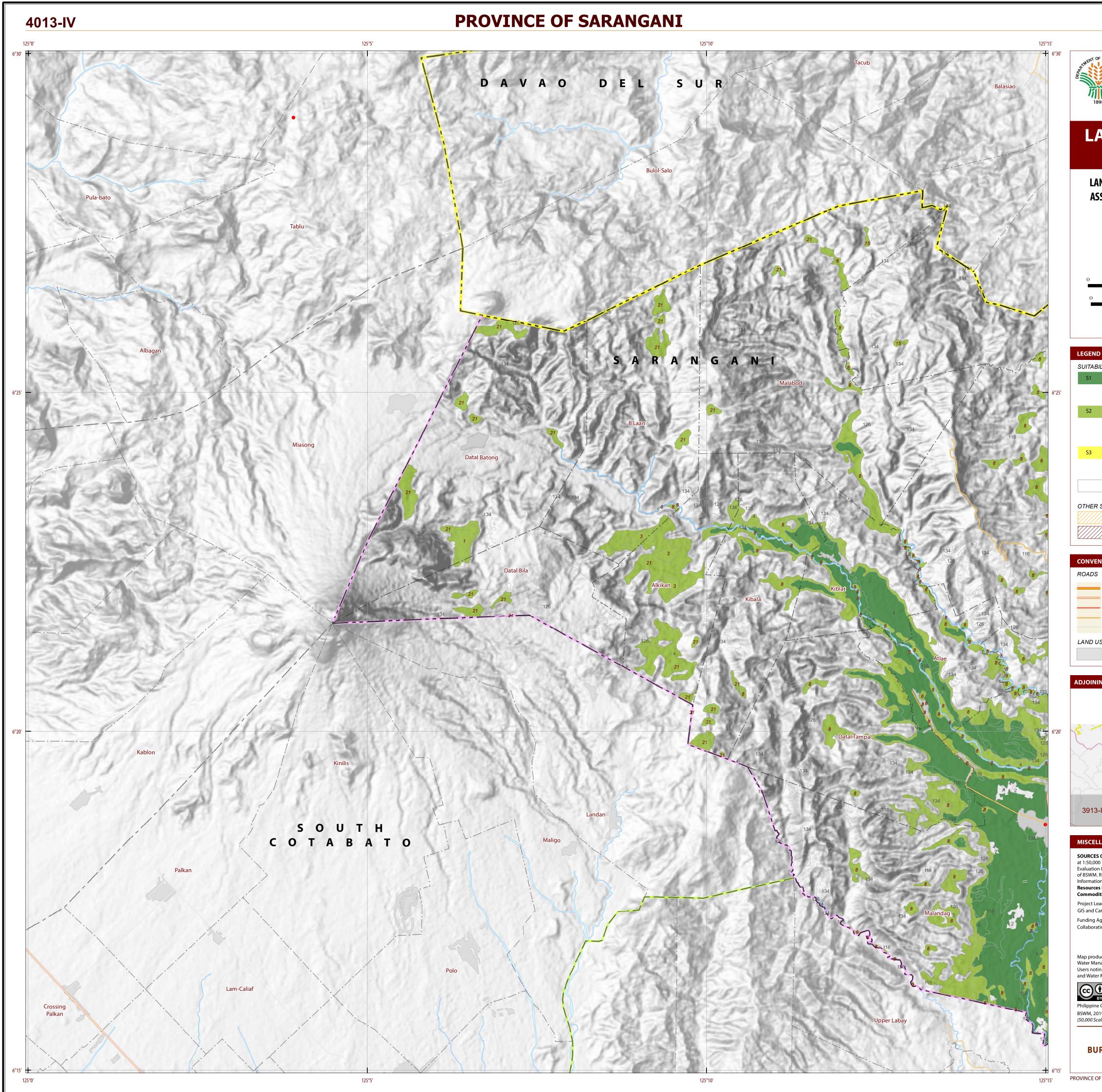
<text><text><text><text><text></text></text></text></text></text>			Lak	e Sebu	
<section-header> PURPUE PURPUEADJECT SUPUPE CALCULATION AND SUITABULTSSUPUPE CALCULATION AND SUITABULTSSupurpuestor<td cols<="" th=""><th>S98</th><th>ament OF AGRICULT</th><th>EL</th><th>1898</th></td></section-header>	<th>S98</th> <th>ament OF AGRICULT</th> <th>EL</th> <th>1898</th>	S98	ament OF AGRICULT	EL	1898
<complex-block></complex-block>	AND S			MAP	
<complex-block>         0.1       2       3       4       5         0.1       Sile       Sile         Bile         Without in the second on the second in the second interview intervi</complex-block>		F STRATEGIC PI			
<complex-block>         0.1       2       3       4       5         0.1       Sile       Sile         Bile         Without in the second on the second in the second interview intervi</complex-block>			≣		
<text><text><text><text><text><text><text></text></text></text></text></text></text></text>	0.5 1			5	
<text><section-header><section-header>And a second proper product of the proper product of the proper product of the proper product of the product</section-header></section-header></text>	0.5	1	2	3	
<section-header>AT CLASSES AT CL</section-header>		nsverse Mercator Zone 51			
<section-header>AT CLASSES AT CL</section-header>	D				
<text><text><text><text></text></text></text></text>	BILITY CLASSES Highly Suitable application of a	given use, or only mind	or limitations that	t will not signifi-	
<complex-block>Arginally Sut labele - Land having limitations which in aggregate arging the produce produce</complex-block>	Moderately Sui moderately seve will reduce prod extent that the o	i <b>table</b> - Land having lin ere for sustained applic luctivity or benefits and overall advantage to be	ation of a given u d increase require gained from the	use; the limitations ed inputs to the e use, although still	
<complex-block>SIGNS AGP AREAS CacaO CONTRACTOR CACAO</complex-block>	Marginally Suit severe for sustai tivity or benefits	t <b>able</b> - Land having lim ned application of a gi 5, or increase required i	itations which in ven use and will s	aggregate are so reduce produc-	
<complex-block>  INPARABINE   INPARABINE <td>Not Suitable/ N</td><td>ot Relevant</td><td></td><td></td></complex-block>	Not Suitable/ N	ot Relevant			
<complex-block>         BUNDARY       HURDLOGY         Paraga       Paraga         Paraga       Paraga</complex-block>	NGP Areas		ation		
<complex-block>         Expressive Turking       Regin Province       Province Province       Province Province         Primary Secondary Turking       District       PLACES         Municipality       Capital City / City         Bult-up       Fibron       Capital Town / Town         Municipality       Capital Town / Town         Municipality       Capital City / City         Municipality       Capital Town / Town         Municipality</complex-block>	NTIONAL SIGNS				
<text></text>	Expressway Trunk line Primary	Region Province District	PLACES	ea / Shoreline akes / Rivers	
<figure><image/></figure>	ISE				
<image/> <image/> <section-header></section-header>	ING SHEETS		INDE	х мар	
<image/> Image: Control of the second of the seco	3913-I		a for		
<section-header>         Jayle Jay         Jayle Jay         Jayle Jay</section-header>		4013-IV	and a second sec		
Automatical and a series of the series of	-II <b>3913-III</b>	3913-II	A start and a start and a start a star	Contra a	
<b>BOF INFORMATION</b> : Topographic information taken from NAMRIA Topographic Map         0 scale. Land resources information from the Agricultural Land Management and         n Division (ALMED), Soils Survey Division (SSD) and Laboratory Services Division (LSD)         Rice areas obtained from the Land Use System (FAQ, 2015) and Philippine Rice         on System (PRISM) (IRRI, 2015). Data analysis and compilation through the Land         as Evaluation and Suitability Assessment of Strategic Production Areas for Major         ities Project implemented by BSWM (2017).         eader       : BERNARDO B. PASCUA         iartography       : IRVIN K. SAMALCA         Agency       : Department of Agriculture - Bureau of Agricultural Research (DA-BAR)         ting Agencies       : Philippine Council on Agriculture and Fisheries (PCAF)         : Department of Agriculture and Fisheries - ARIM, Department of Agriculture Regional Field Office of Region IX, X, XI, XII and XIII (Caraga)         : Local Government Unit (LGU) of covered provinces and municipalities         Ruced by the Geomatics and Soil Information Technology Division, Bureau of Soils and nagement.         Imagement.         This publication is licensed under a Creative Commons Attribution 4.0 International License. Unless otherwise noted, copyright and any other intellectual property rights, in this publication is owned by the         e Government. This publication should be attributed as :         19. Lond Sutrability Map Series for Rubber of the PROVINCE OF SARANG	3912-IV	3912-1			
0 scale. Land resources information from the Agricultural Land Management and n Division (ALMED), Soils Survey Division (SSD) and Laboratory Services Division (LSD) Rice areas obtained from the Land Use System (FAO, 2015) and Philippine Rice on System (PRISM) (IRRI, 2015). Data analysis and compilation through the Land is Evaluation and Suitability Assessment of Strategic Production Areas for Major lities Project implemented by BSWM (2017). eader : BERNARDO B. PASCUA fartography : IRVIN K. SAMALCA Agency : Department of Agriculture - Bureau of Agricultural Research (DA-BAR) ting Agencies : Philippine Council on Agriculture and Fisheries (PCAF) : Department of Agriculture and Fisheries - ARMM, Department of Agriculture Regional Field Office of Region IX, X, XI, XII and XIII (Caraga) : Local Government Unit (LGU) of covered provinces and municipalities luced by the Geomatics and Soil Information Technology Division, Bureau of Soils and nagement (BSWM). ing errors or omissions in this publication are requested to inform the Bureau of Soils r Management. This publication is licensed under a Creative Commons Attribution 4.0 International License. Unless otherwise noted, copyright and any other intellectual property rights, in this publication is owned by the e Government. This publication should be attributed as : 10.9. Land Suitability Map Series for Rubber of the PROVINCE OF SARANGANI ale) . CC BY NC SA 4.0. REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE REAU OF SOILS AND WATER MANAGEMENT SRDC Bldg., Elliptical Road Cor. Visayas Avenue, Diliman, Quezon City 1101 Tel/Fax No. : (+632) 332-9534 E-mail: <i>bswmclientcenter@yahoo.com</i>				Tana awankia Man	
<ul> <li>BERNARDO B. PASCUA</li> <li>IRVIN K. SAMALCA</li> <li>Agency : Department of Agriculture - Bureau of Agricultural Research (DA-BAR)</li> <li>ting Agencies : Philippine Council on Agriculture and Fisheries (PCAF)</li> <li>Department of Agriculture and Fisheries - ARMM, Department of Agriculture Regional Field Office of Region IX, X, XI, XII and XIII (Caraga)</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Increation of Soils Information Technology Division, Bureau of Soils and nagement (BSWM).</li> <li>Ing errors or omissions in this publication are requested to inform the Bureau of Soils and nagement.</li> <li>This publication is licensed under a Creative Commons Attribution 4.0 International License. Unless otherwise noted, copyright and any other intellectual property rights, in this publication is owned by the</li> <li>Government. This publication should be attributed as :</li> <li>D. Land Suitability Map Series for Rubber of the PROVINCE OF SARANGANI ale) . CC BY NC SA 4.0.</li> <li>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE READ OF SOILS AND WATER MANAGEMENT</li> <li>SRDC Bldg, Elliptical Road Cor. Visayas Avenue, Diliman, Quezon City 1101</li> <li>Tel/Fax No. : (+632) 332-9534 E-mail : bswmclientcenter@yahoo.com</li> </ul>	00 scale. Land resource n Division (ALMED), So . Rice areas obtained fr on System (PRISM) (IRF <b>25 Evaluation and Sui</b> t	s information from the Ag bils Survey Division (SSD) a rom the Land Use System ( RI, 2015). Data analysis and tability Assessment of St	ricultural Land Mar and Laboratory Serv (FAO, 2015) and Phi d compilation throu	nagement and vices Division (LSD) lippine Rice ugh the <b>Land</b>	
<ul> <li>Philippine Council on Agriculture and Fisheries (PCAF)</li> <li>Department of Agriculture and Fisheries - ARMM, Department of Agriculture Regional Field Office of Region IX, X, XI, XII and XIII (Caraga)</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Local Government Unit (LGU) of covered provinces and municipalities</li> <li>Index end to the province of the Bureau of Soils and nagement.</li> </ul>	eader : BERN Cartography : IRVIN	IARDO B. PASCUA I K. SAMALCA			
nagement (BSWM). ing errors or omissions in this publication are requested to inform the Bureau of Soils r Management. This publication is licensed under a Creative Commons Attribution 4.0 International License. Unless otherwise noted, copyright and any other intellectual property rights, in this publication is owned by the e Government. This publication should be attributed as : 19. Land Suitability Map Series for Rubber of the PROVINCE OF SARANGANI ale) . CC BY NC SA 4.0. <b>REPUBLIC OF THE PHILIPPINES</b> <b>DEPARTMENT OF AGRICULTURE</b> <b>REAU OF SOILS AND WATER MANAGEMENT</b> SRDC Bldg., Elliptical Road Cor. Visayas Avenue, Diliman, Quezon City 1101 Tel/Fax No. : (+632) 332-9534 E-mail: bswmclientcenter@yahoa.com	ting Agencies : Phili : Dep Agri : Loca	ippine Council on Agricult partment of Agriculture an iculture Regional Field Off al Government Unit (LGU)	ure and Fisheries (F d Fisheries - ARMM ice of Region IX, X, of covered provinc	PCAF) , Department of XI, XII and XIII (Caraga) es and municipalities	
International License. Unless otherwise noted, copyright and any other intellectual property rights, in this publication is owned by the Government. This publication should be attributed as : D19. Land Suitability Map Series for Rubber of the PROVINCE OF SARANGANI ale) . CC BY NC SA 4.0. REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE REAU OF SOILS AND WATER MANAGEMENT SRDC Bldg., Elliptical Road Cor. Visayas Avenue, Diliman, Quezon City 1101 Tel/Fax No. : (+632) 332-9534 E-mail : bswmclientcenter@yahoo.com	nagement (BSWM).				
DEPARTMENT OF AGRICULTURE REAU OF SOILS AND WATER MANAGEMENT SRDC Bldg., Elliptical Road Cor. Visayas Avenue, Diliman, Quezon City 1101 Tel/Fax No. : (+632) 332-9534 E-mail : <i>bswmclientcenter@yahoo.com</i>	BY NC SA Intern BY NC SA Intern intelle	national License. Unless of ectual property rights, in t blication should be attrib ap Series for Rubber of the P	therwise noted, cop this publication is o uted as :	oyright and any other wned by the	
	DEPAR REAU OF SO SRDC Bldg., Elliptical	TMENT OF AGR VILS AND WATE Road Cor. Visayas Avenue, E	ICULTURE ER MANAG Diliman, Quezon City	1101	
	IEI/Fax No.:(+63 DF SARANGANI	L, JJZ JJJ L-IIIdil : USWMCI			



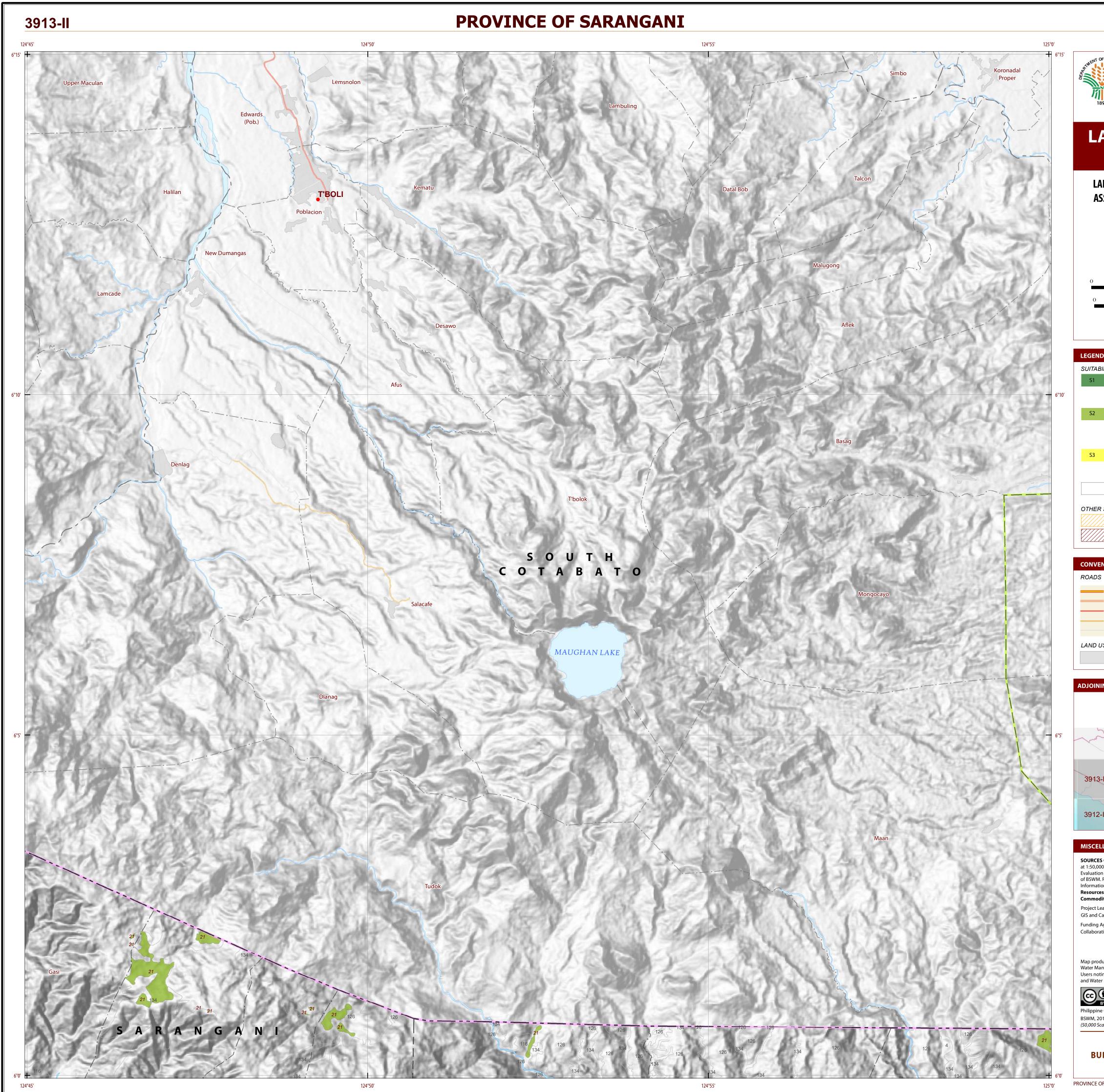
			Maitum
B98	ACTIVICATION OF AGRICULTA		1898
AND SU	JITAB RUBBI		MAP
ND RESOURCE SSESSMENT OF			_
	W-W-S	E	
0.5 1	CALE 1:50 2 Kilometers	<b>000</b> з	4 5
	Miles verse Mercator Zone s political boundarie		
D			
BILITY CLASSES Highly Suitable -	ven use, or only mi luctivity or benefit	nor limitations	that will not signifi-
moderately severe will reduce produc extent that the over	for sustained appl tivity or benefits a erall advantage to	ication of a giv nd increase rec be gained from	ch in aggregate are ren use; the limitations quired inputs to the the use, although still red on class S1 land.
severe for sustaine	d application of a g r increase required stified.	given use and	h in aggregate are will so reduce produc- iis expenditure will be
R SIGNS NGP Areas Cacao	Land lim Land use		
NTIONAL SIGNS			
Expressway Trunk line Primary Secondary	UNDARY Region Province District Municipali	HYDROL PLACES	.OGY Sea / Shoreline Lakes / Rivers Capital City / City
Tertiary	Fishpond	Town Proto	Capital Town / Town ngrove
ING SHEETS		IN	DEX MAP
3813-I			
3813-11	3913-III	A	
	3912-IV	AR	
LLANEOUS INFORM	ATION		
S OF INFORMATION : Topographic information taken from NAMRIA Topographic Map 10 scale. Land resources information from the Agricultural Land Management and 10 n Division (ALMED), Soils Survey Division (SSD) and Laboratory Services Division (LSD) 11. Rice areas obtained from the Land Use System (FAO, 2015) and Philippine Rice 12. on System (PRISM) (IRRI, 2015). Data analysis and compilation through the Land 13. es Evaluation and Suitability Assessment of Strategic Production Areas for Major 13. lities Project implemented by BSWM (2017). 14. eader : BERNARDO B. PASCUA 15. Cartography : IRVIN K. SAMALCA 16. Agency : Department of Agriculture - Bureau of Agricultural Research (DA-BAR) 14. ting Agencies : Philippine Council on Agriculture and Fisheries (PCAF) 15. Department of Agriculture and Fisheries - ARMM, Department of 16. Agriculture Regional Field Office of Region IX, X, XI, XII and XIII (Caraga)			
duced by the Geomatics a nagement (BSWM). cing errors or omissions in r Management.	nd Soil Information T this publication are	echnology Divisi	orm the Bureau of Soils
This publication is licensed under a Creative Commons Attribution 4.0 International License. Unless otherwise noted, copyright and any other intellectual property rights, in this publication is owned by the e Government. This publication should be attributed as : 019. Land Suitability Map Series for Rubber of the PROVINCE OF SARANGANI cale). CC BY NC SA 4.0.			
DEPARTI IREAU OF SOII SRDC Bldg., Elliptical Ro		RICULTUR ER MANA , Diliman, Quezon	GEMENT City 1101
DF SARANGANI		Sheet 13 o	f 16 Sheet No. 3813-II



		Μ	alapa	
PAGRICOLITIE REPORT	ACT TOF AGRICULT	TICULTURAL MED	1898	GALCULTURE
AND S	UITAB RUBB		Y MA	Ρ
	CES EVALUATION OF STRATEGIC		•••••	-
	SCALE 1:50	≻E 0 000		
0.5 1 0.5	2 Kilometers 1 Miles	2	4	5 ]3 ]
	All political boundari			
application of a cantly reduce p an acceptable le		ninor limitatior its and will not	ns that will not raise inputs al	signifi- oove
moderately seve will reduce proc extent that the attractive, will b	itable - Land having ere for sustained app ductivity or benefits overall advantage to be appreciably inferio table - Land having	blication of a g and increase r be gained fro or to that expe	iven use; the li equired inputs m the use, alth cted on class S	mitations to the ough still 1 land.
severe for susta	ined application of a s, or increase require justified.	i given use and	d will so reduce	e produc-
SIGNS NGP Areas Cacao	Land lin Land us	nitation se		
NTIONAL SIGNS				
Expressway Trunk line Primary Secondary Tertiary	BOUNDARY Region Province District Municipa Barangay		Sea / Shore Lakes / Riv	ers City
Built-up	Fishpond	<u>2388.98</u>	langrove	
A012	·		NDEX MAP	
-III 4013-II -IV <b>4012-I</b>	4113-III 4112-IV			
12-111 4012	-11	AR A	- And	
LANEOUS INFO				
0 scale. Land resource n Division (ALMED), So Rice areas obtained fi on System (PRISM) (IR sevaluation and Sui lities Project implement eader : BERN Cartography : IRVIN Agency : Dep ting Agencies : Phil : Dep Agr	Topographic informati es information from the bils Survey Division (SSI rom the Land Use Syste RI, 2015). Data analysis <b>tability Assessment o</b> ented by BSWM (2017). NARDO B. PASCUA N K. SAMALCA bartment of Agriculture ippine Council on Agri- partment of Agriculture iculture Regional Field al Government Unit (LC	Agricultural Lar D) and Laborato em (FAO, 2015) a and compilation <b>f Strategic Proc</b> e - Bureau of Agr culture and Fishe and Fisheries - Office of Region	nd Management ry Services Divisi nd Philippine Ric n through the <b>La</b> <b>Juction Areas fo</b> icultural Researc eries (PCAF) ARMM, Departm IX, X, XI, XII and	and on (LSD) re <b>nd</b> <b>or Major</b> h (DA-BAR) ent of XIII (Caraga)
nagement (BSWM). ing errors or omission r Management.	cs and Soil Information s in this publication are	e requested to in	form the Bureau	ı of Soils
BY NC SA Inter BY NC SA Inter	publication is licensed national License. Unles lectual property rights, ıblication should be att ap Series for Rubber of ti	s otherwise note in this publicati ributed as :	ed, copyright and on is owned by t	d any other
DEPAR REAU OF SC SRDC Bldg., Elliptica	BLIC OF THE PH TMENT OF AG DILS AND WA I Road Cor. Visayas Avenu 32) 332-9534 E-mail: bsw	<b>RICULTUI</b> <b>TER MAN</b> Ie, Diliman, Quezo	RE AGEMEN on City 1101	т
OF SARANGANI		Sheet 14	of 16 Sheet	t No. 4012-I



	Mount	Matutum
AGR/CULTURE CONTROL OF	ENT OF AGRICULTURA MUSIC	1898
AND SUI RI	TABILIT JBBER	Y MAP
ND RESOURCES EN SSESSMENT OF STF		
w	S N E	
0.5 1 2	LE 1:50 000 3	4 5
0.5 1	Kilometers 2	3
	Miles Mercator Zone 51 N. PRS 19 ical boundaries are not au	
D		
<ul> <li>application of a given u cantly reduce productiv an acceptable level.</li> <li>Moderately Suitable - moderately severe for so will reduce productivity extent that the overall a attractive, will be appresent that the overall a severe for sustained appresent severe for sustained appresent severe for sustained appresent severe for sustained appresent for sustained sustained appresent for sustained sustained</li></ul>	vity or benefits and will r Land having limitations ustained application of a or benefits and increase idvantage to be gained ciably inferior to that ex Land having limitations w polication of a given use a rease required inputs, th d.	ions that will not signifi- not raise inputs above which in aggregate are a given use; the limitations e required inputs to the from the use, although still pected on class S1 land.
SIGNS NGP Areas	Land limitation Land use	
NTIONAL SIGNS		ROLOGY
Expressway Trunk line Primary Secondary Tertiary	<ul> <li>Region</li> <li>Province</li> <li>District PLAC</li> <li>Municipality (* )</li> <li>Barangay (* )</li> </ul>	Sea / Shoreline Lakes / Rivers CES Capital City / City Capital Town / Town
Built-up	Fishpond	Mangrove
4013-IV 4	014-II 1013-I 013-II	
		NAMBIA Topographic Map
ting Agencies : Philippine Co : Department Agriculture F : Local Govern	ation from the Agricultural I by Division (SSD) and Labora and Use System (FAO, 2015 Data analysis and compilat <b>Assessment of Strategic P</b> BSWM (2017). PASCUA ALCA of Agriculture - Bureau of A puncil on Agriculture and Fi of Agriculture and Fisherie Regional Field Office of Reg ment Unit (LGU) of covered	Land Management and atory Services Division (LSD) and Philippine Rice tion through the Land roduction Areas for Major Agricultural Research (DA-BAR) sheries (PCAF) s - ARMM, Department of ion IX, X, XI, XII and XIII (Caraga) d provinces and municipalities
luced by the Geomatics and So nagement (BSWM). ing errors or omissions in this p r Management.		
This publication International	License. Unless otherwise n operty rights, in this public o should be attributed as :	
DEPARTMEN IREAU OF SOILS / SRDC Bldg., Elliptical Road Col		URE NAGEMENT ezon City 1101
DF SARANGANI	Sheet	15 of 16 Sheet No. 4013-IV



<section-header>         UTULAISES         Information of a pierus of control minori initiations that will not a size inputs above any induce initiations that will not a size inputs above any induce initiations that will not a size inputs above any induce initiations that will not a size inputs above any induce initiations that will not a size inputs above any induce initiations that will not a size inputs above any induce initiations which in aggregate are induced up to a size induce in a size and will so reduce productive or back and will not a size induce induc</section-header>		Park	er Volcano
<section-header>  RUBBER   INDESSMENT OF STRATEGIC PROJUCTION ADDESITIES   STATE STATE ON CONCURSE FURTHERIC PROJUCTION ADDES   INDESSMENT OF STRATEGIC PROJUCTION ADDES</section-header>	B98	AT OF AGRICULTURAL MORE	1898
<complex-block>SSESSMENT OF STRATEGIC PRODUCTION AREAS FOR A PARAMEMENT OF STRATEGIC PRODUCTION AREAS FOR A PARAMEMENT OF STRATEGIC PRODUCTION AREAS SCALE 1: 50 000 SCALE 1:</complex-block>			ΤΥ ΜΑΡ
<form>         0.1       2       5         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1       1         0.5       1       1       1         0.6       1       1       1         0.7       1       1       1       1         0.8       1       1       1       1       1         0.8       1</form>		ATEGIC PROD	
<form>         0.1       2       5         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1         0.5       1       1       1         0.5       1       1       1         0.6       1       1       1         0.7       1       1       1       1         0.8       1       1       1       1       1         0.8       1</form>	W	S S	
<text><section-header><complex-block></complex-block></section-header></text>	0.5 1 2	3 Kilometers 2	
<section-header>         UTUCIASSES         Information of a pierus of control minori limitations that will not a size inputs above on a size input above</section-header>	DISCLAIMER : All politic	ercator Zone 51 N. PRS	
<complex-block>SIGNS Case Construction of the series of capacity of the series of the</complex-block>	<ul> <li>application of a given use cantly reduce productivit an acceptable level.</li> <li>Moderately Suitable - La moderately severe for sus will reduce productivity of extent that the overall ad attractive, will be apprecian Marginally Suitable - La severe for sustained appl tivity or benefits, or incre- only marginally justified.</li> </ul>	e, or only minor limit cy or benefits and wi and having limitation stained application of benefits and incre lvantage to be gaine ably inferior to that nd having limitation ication of a given us ase required inputs,	ations that will not signifi- Il not raise inputs above ns which in aggregate are of a given use; the limitations ase required inputs to the ed from the use, although still expected on class S1 land. It which in aggregate are e and will so reduce produc-
BUINDARY HYDROLOGY H		N	
<complex-block>ADDE OUT DEPUNDING TO THE DEPUNDING TO</complex-block>	Expressway Trunk line Primary Secondary	Region Province District PL Municipality	Sea / Shoreline Lakes / Rivers ACES Capital City / City
<figure><image/>         By         Image: Big Big Big Big Big Big Big Big Big Big</figure>	JSE	rower	37
SOF INFORMATION : Topographic information taken from NAMRIA Topographic Map         0 scale. Land resources information from the Agricultural Land Management and         n Division (ALMED), Soils Survey Division (SSD) and Laboratory Services Division (LSD)         Rice areas obtained from the Land Use System (FAO, 2015) and Philippine Rice         on System (PRISM) (IRRI, 2015). Data analysis and compilation through the Land         tes Evaluation and Suitability Assessment of Strategic Production Areas for Major         Ities Project implemented by BSWM (2017).         eader       : BERNARDO B. PASCUA         Cartography       : IRVIN K. SAMALCA         Agency       : Department of Agriculture - Bureau of Agricultural Research (DA-BAR)         ting Agencies       : Philippine Council on Agriculture and Fisheries - ARMM, Department of Agriculture Regional Field Office of Region IX, X, XI, XII and XIII (Caraga) : Local Government Unit (LGU) of covered provinces and municipalities         Nuced by the Geomatics and Soil Information Technology Division, Bureau of Soils and nagement.         This publication is licensed under a Creative Commons Attribution 4.0 International License. Unless otherwise noted, copyright and any other intellectual property rights, in this publication is owned by the         e Government. This publication should be attributed as :         19. Land Suitability Map Series for Rubber of the PROVINCE OF SARANGANI tale). CC BY NC SA 4.0.         REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE RE	-111 <b>3913-11</b> 40	13-111	INDEX MAP
nagement (BSWM). ing errors or omissions in this publication are requested to inform the Bureau of Soils r Management. This publication is licensed under a Creative Commons Attribution 4.0 International License. Unless otherwise noted, copyright and any other intellectual property rights, in this publication is owned by the e Government. This publication should be attributed as : D19. Land Suitability Map Series for Rubber of the PROVINCE OF SARANGANI tale) . CC BY NC SA 4.0. REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE REAU OF SOILS AND WATER MANAGEMENT SRDC Bldg., Elliptical Road Cor. Visayas Avenue, Diliman, Quezon City 1101 Tel/Fax No.: (+632) 332-9534 E-mail: bswmclientcenter@yahoa.com	S OF INFORMATION : Topograph 00 scale. Land resources informat n Division (ALMED), Soils Survey Rice areas obtained from the La on System (PRISM) (IRRI, 2015). D es Evaluation and Suitability As lities Project implemented by B: eader : BERNARDO B. P. Cartography : IRVIN K. SAMAL Agency : Department o uting Agencies : Philippine Cou : Department o Agriculture Re : Local Governm	nic information taken fr ion from the Agricultur Division (SSD) and Lab nd Use System (FAO, 20 Data analysis and comp ssessment of Strategic SWM (2017). ASCUA .CA of Agriculture - Bureau of uncil on Agriculture and f Agriculture and Fishe sgional Field Office of R nent Unit (LGU) of cove	ral Land Management and oratory Services Division (LSD) D15) and Philippine Rice ilation through the Land c Production Areas for Major of Agricultural Research (DA-BAR) d Fisheries (PCAF) ries - ARMM, Department of egion IX, X, XI, XII and XIII (Caraga) ered provinces and municipalities
DEPARTMENT OF AGRICULTURE REAU OF SOILS AND WATER MANAGEMENT SRDC Bldg., Elliptical Road Cor. Visayas Avenue, Diliman, Quezon City 1101 Tel/Fax No.: (+632) 332-9534 E-mail: bswmclientcenter@yahoo.com	Anagement (BSWM). Anagement (BSWM). Anagement. This publication International Li Intellectual pro a Government. This publication s D19. Land Suitability Map Series for Cale). CC BY NC SA 4.0.	blication are requested n is licensed under a Crr cense. Unless otherwis perty rights, in this put hould be attributed as r Rubber of the PROVING	d to inform the Bureau of Soils eative Commons Attribution 4.0 e noted, copyright and any other plication is owned by the : CE OF SARANGANI
	DEPARTMEN REAU OF SOILS A SRDC Bldg., Elliptical Road Cor. N	OF AGRICUL     ND WATER M     //isayas Avenue, Diliman,     E-mail : bswmclientcente	TURE ANAGEMENT Quezon City 1101 er@yahoo.com