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

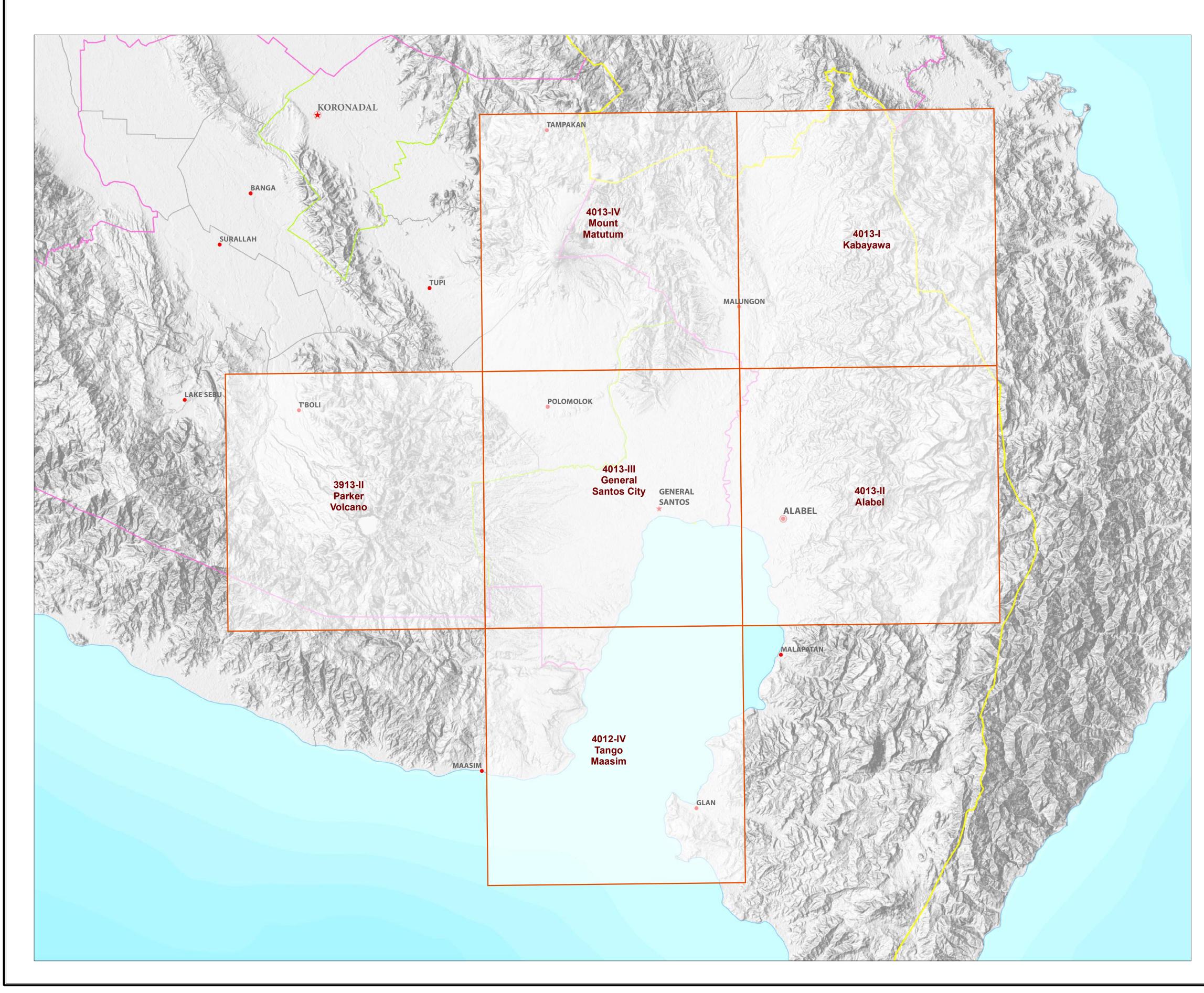
# **GENERAL SANTOS CITY**



# LAND SUITABILITY MAP

# **NATURAL RUBBER**

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



## **MAP INDEX**

LEGEN	D
Places	
*	Capital City
*	City
۲	Capital Town
•	Town
Adminis	trative Boundary
	Regional
	Provincial
	City
	Municipal
Map Ind	ex
	Index grid
Topogra	phic Relief
Bathymo	etry
No.	
LOCAT	ΙΟΝ ΜΑΡ
	a ° 1
and the second	
	3.3 Y/1243
	DN SALESSIE
	Bas Bas House it
	and the seaso
1. A. 2	The article



Diliman, Quezon City 1101 Philippines Tel/Fax No.: (+632) 332-9534 E-mail: bswmclientcenter@yahoo.com

## LAND SUITABILITY MAP FOR **RUBBER**

## LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS **GENERAL SANTOS CITY, REGION XII**

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

			EXPANSION AREA (Ha)				CONFLICT RESOLUTION AREA (Ha)				TOTAL					
EXISTI	NG RUBB	ER (Ha)	TOTAL EXISTING AREA (Ha)	Coco	nut		<u>,</u>			Cor	n	Pinea	pple	Other	crops	POTENTIAL EXPANSION AREA (Ha)
<b>S1</b>	S2	<b>S</b> 3		<b>S1</b>	<b>S2</b>	<b>S1</b>	<b>S2</b>	<b>S1</b>	<b>S2</b>	<b>S1</b>	<b>S2</b>	<b>S1</b>	S2	<b>S1</b>	<b>S2</b>	AREA (Haj
-	-	-	-	2,427	410	189	433	1,532	5,857	6,588	2,534	70	41	3	-	20,084
-	-	-	-	2,427	410	189	433	1,532	5,857	6,588	2,534	70	41	3	-	20,084
		S1 S2 		EXISTING RUBBER (Ha) EXISTING AREA (Ha) S1 S2 S3 	EXISTING RUBBER (Ha)     EXISTING AREA (Ha)     Coco       S1     S2     S3     S1       -     -     -     2,427	EXISTING RUBBER (Ha)     TOTAL EXISTING AREA (Ha)     Coconut       S1     S2     S3     S1     S2       -     -     -     2,427     410	EXISTING RUBBER (Ha)     TOTAL EXISTING AREA (Ha)     Coconut     Shrubl unmana       S1     S2     S3     S1     S2     S1       -     -     -     2,427     410     189	EXISTING RUBBER (Ha)     TOTAL EXISTING AREA (Ha)     Coconut     Shrubland, unmanaged*       S1     S2     S3     S1     S2     S1     S2       -     -     -     2,427     410     189     433	EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland unmanaged*         S1       S2       S3       S1       S2       S1       S2       S1         -       -       -       2,427       410       189       433       1,532	EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland, unmanaged*         S1       S2       S3       S1       S2       S1       S2       S1       S2       S1       S2         -       -       -       2,427       410       189       433       1,532       5,857	EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland, unmanaged*       Corn         S1       S2       S3       S1       S2       S1       S2<	TOTAL EXISTING AREA (Ha)       Shrubland, unma-aged*       Grassland, unma-aged*       Corn         S1       S2       S3       S1       S2       S3       S1       S2       S1       S2 <t< td=""><td>EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)         S1       S2       S3       S1       S2       S3       S1       S2       S1       S2<td>EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland, unmanaged*       Corn       Pineapple         S1       S2       S3       S1       S2       S1       S2</td><td>EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland, unmanaged*       Corn       Pineapple       Other         S1       S2       S3       S1       S2       S1</td><td>EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland, unmanaged*       Corn       Pineapple       Other crops         S1       S2       S3       S1       S2       S1</td></td></t<>	EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)         S1       S2       S3       S1       S2       S3       S1       S2       S1       S2 <td>EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland, unmanaged*       Corn       Pineapple         S1       S2       S3       S1       S2       S1       S2</td> <td>EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland, unmanaged*       Corn       Pineapple       Other         S1       S2       S3       S1       S2       S1</td> <td>EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland, unmanaged*       Corn       Pineapple       Other crops         S1       S2       S3       S1       S2       S1</td>	EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland, unmanaged*       Corn       Pineapple         S1       S2       S3       S1       S2       S1       S2	EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland, unmanaged*       Corn       Pineapple       Other         S1       S2       S3       S1       S2       S1	EXISTING RUBBER (Ha)       TOTAL EXISTING AREA (Ha)       Coconut       Shrubland, unmanaged*       Grassland, unmanaged*       Corn       Pineapple       Other crops         S1       S2       S3       S1       S2       S1

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

LAND UTILIZATION TYPE	SUITABILITY RATING	SLOPE (%)	SOIL DEPTH (cm)	SOIL TEXTURE	SOIL DRAINAGE	SOIL REACTION (pH)	INHERENT FERTILITY	FLOODING CLASS	EROSION CLASS	ROCK OUTCROPS	ELEVATION (masl)		IUAL FALL CLIMA' TYPI m)
	S1	<8	>100	CL, SiCL, SCL, SC, SiC, C, HC	WD,MWD, SPD	5.6 -7.2	high	none-slight	none-slight	none-few	<500	1000-	-2000 III, IV
Rubber Tree	S2	8 - 30	30 - 100	FSL, L, SiL, SL	PD,VPD	4.5 - 5.5 7.3 - 7.8	medium	moderate	moderate	common	500-1000	2001-	-4500 I, II, II
	S3	>30	<30	S, LS, CSL	ED	<4.5 - > 7.9	low	severe	severe	many	>1000	<10 >45	
SLOPE (%)			SOIL DRAINA	GE		SOIL REACT	TION (pH)		SOIL TEXT	URE			
0-3 - leve	l to gently sloping	5	ED - ex	cessively drained		< 4.5 -	extremely acid		Coarse			Fine	
	ly sloping to undu	-	WD - we	ell drained		4.5 - 5.0 -	very strongly acid		S	- sand		SC	- sandy clay
	ulating to rolling		MWD - mo	oderately well dra	ined	5.1 - 5.5 -	strongly acid		LS	- loamy sand		SiC	- silty clay
	ng to moderately	steep	SPD - so	mewhat poorly di	ained	5.6 - 6.0 -	medium acid		CSL	- coarse sandy loam		С	- clay
30 - 50 - stee	р		-	orly drained			slightly acid			- sandy loam		HC	- heavy clay
> 50 - very	/ steep		VPD - ve	ry poorly drained			neutral		Medium				
						7.3 - 7.8 -	mildly alkaline		FSL	- fine sandy loam			
SOIL DEPTH (ci	n)		SURFACE IMP	EDIMENT		7.9 - 8.4 -	moderately alkaline		L	- loam			
5	v shallow		ROCK OUTCRO	PS		> 8.5 -	strongly alkaline		SiL	- silt loam			
30 - 50 - shal				ne - few						- clay loam			
	lerately deep		10 - 30% - co	mmon						- silty clay loam			
> 100 - deej	o to very deep		> 30% - ma	any					SCL	- sandy clay loam			
LAND LIM	<b>IITATION</b>	S DESCRIF	PTION ANI	) COMBIN	ATIONS								
ELEVATION			SOIL DRAINA	GE			SOIL DEPTH			SOIL EROSION			
El2 - 500 - 100	0m or 2000 - 250	0m	D2 - Somev	what poorly drain	ed to poorly draine	d	Sh2 - Shallow to	moderately deep	(30 - 100cm)	E2 - Modera	te erosion		
El3 - < 500m o	r > 2500m		D3 - Very p	oorly drained or	excessively drained	l	Sh3 - Very shallo	ow (< 30cm)		E3 - Severe e	erosion		
SLOPE/TOPOGE	RAPHY		SOIL TEXTUR	RE			ROCK OUTCROPS	5		FLOODING			
											1.0		

Tc - Coarse texture

T2 - Undulating to moderately steep T3 - Steep to very steep

CODE	LIMITATION	CODE	LIMITATION	CODE	LIMITATION
1	El2-Rc2	11	T2-El2	21	T3-El2-E3-Sh3-Rc2
2	El2-Sh2-Rc2	12	T2-El2-E3-Sh2-Rc2	22	T3-E3
3	F2-D2	13	T2-El2-Sh2-Rc2	23	T3-E3-Sh3-Rc3
4	F3-D2	14	T2-F2-D2	24	T3-El2-E3-Sh3-Rc3
5	Sh2-Rc2	15	T2-F3-D2	25	T3-El3
6	T2	16	Т3	26	Тс
7	T2-E2-Sh2-Rc2	17	ТЗ-ЕЗ		
8	Т2-ЕЗ	18	T3-E3-Sh3-Rc2		
9	T2-E3-Sh2-Rc2	19	T3-E3-Sh3-Rc3		
10	T2-E3-Sh2-Rc3	20	T3-El2		

Rc2 - Common Rc3 - Many

LANDUSE
Corn
Cassava
Pineapple
Mango
Coconut
Grassland
Shrubs, unmanaged

## **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.

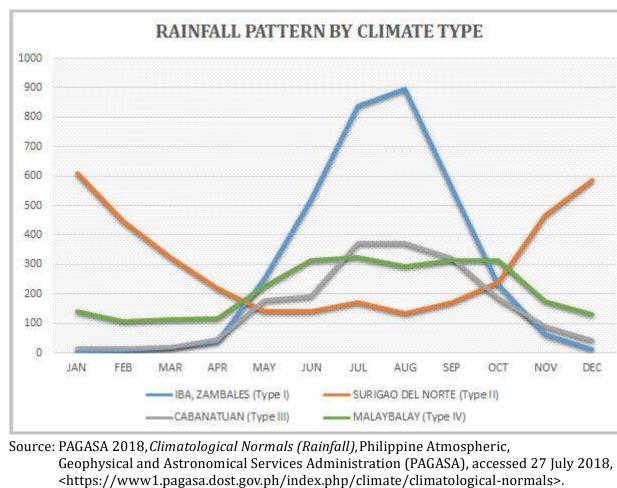
## FLOODING

F2 - Moderate seasonal flooding - Severe seasonal flooding F3

**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.

General Santos City is classified as climatic Type IV.



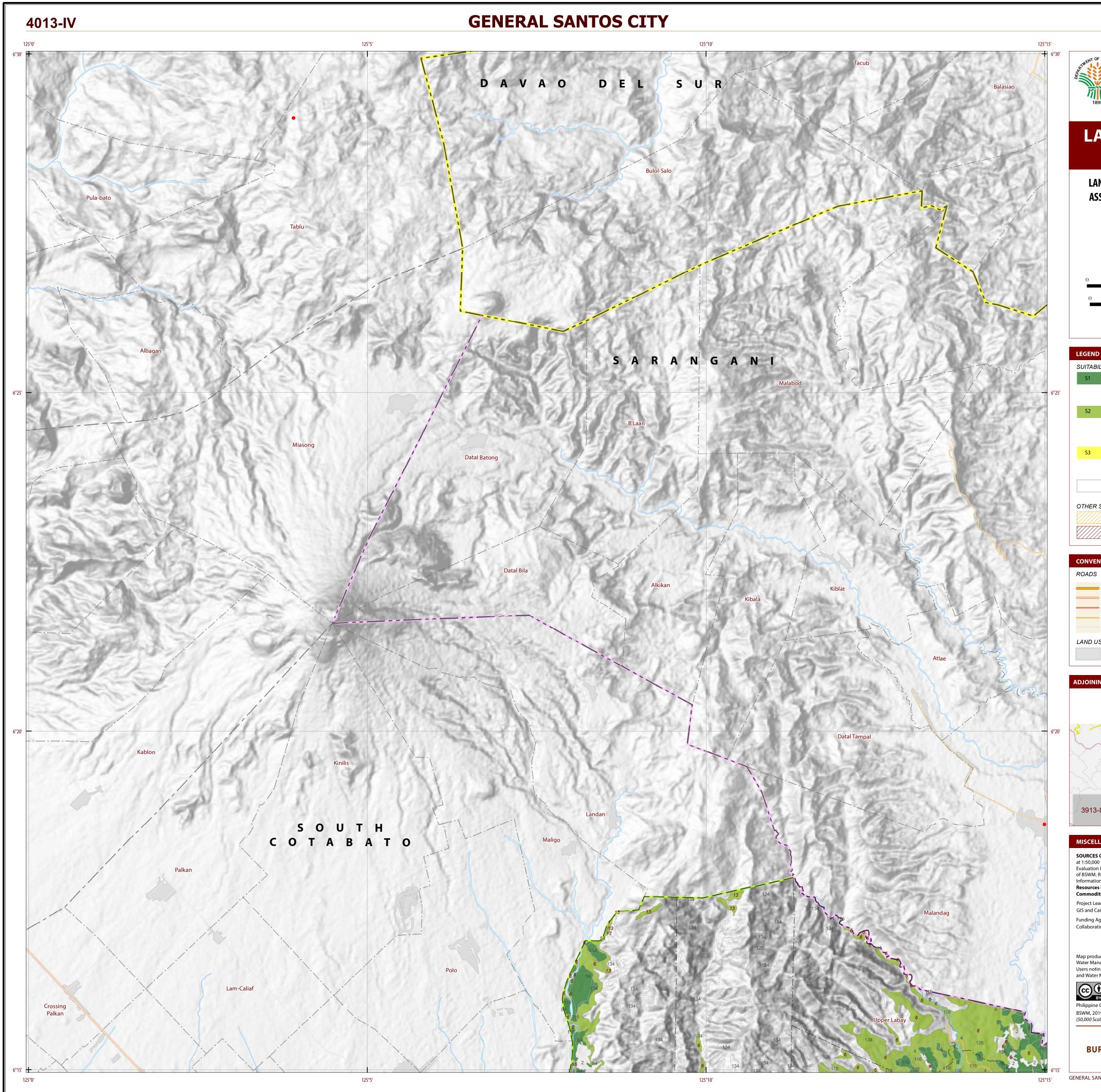


Marginally Suitable (S3) Land having limitations which in aggregate are severe for sustained application of a given use and will so reduce productivity or benefits, or increase required inputs, that this expenditure will be only marginally justified.

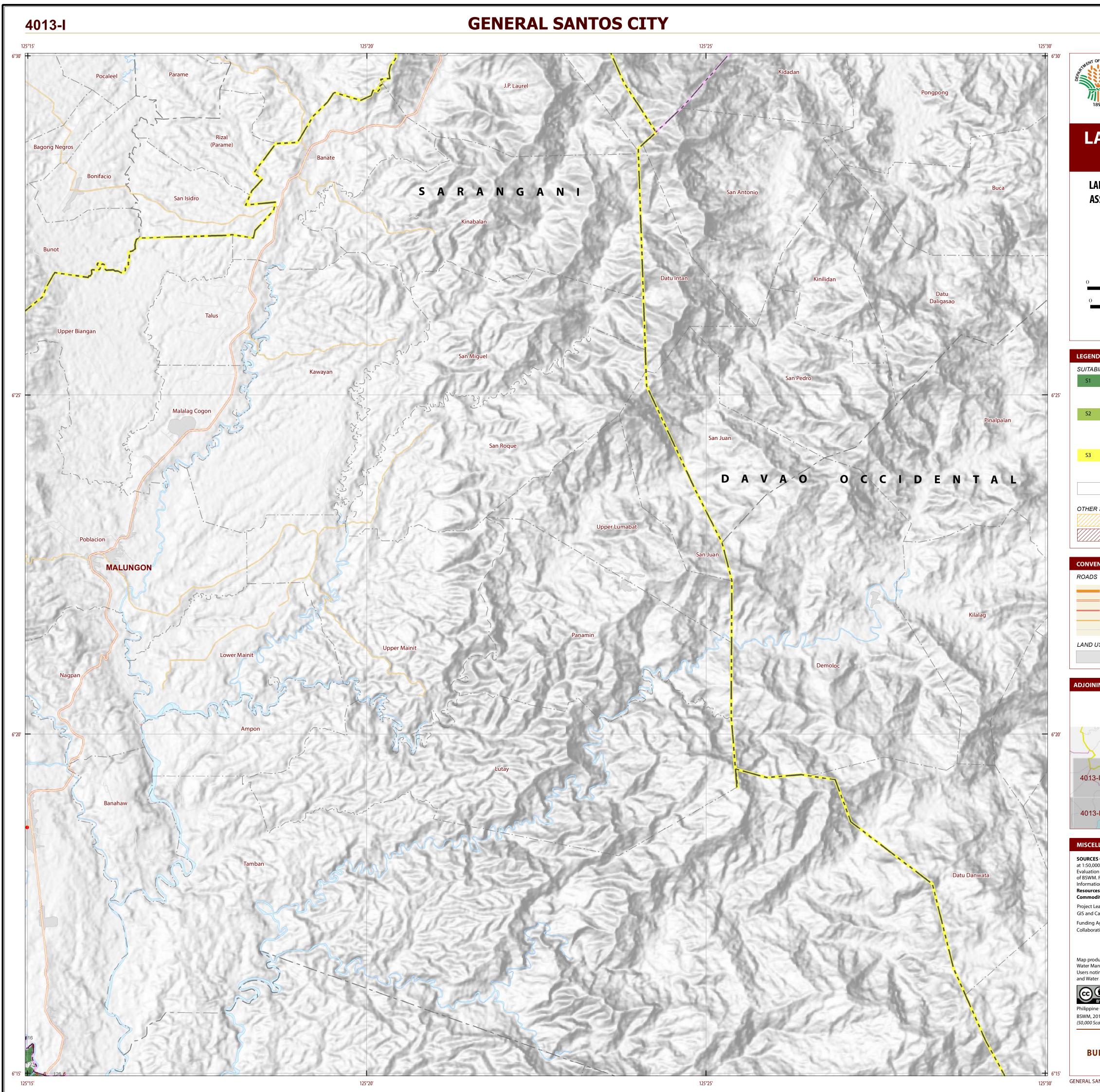
Not Suitable / Not Relevant Land having limitations which may be surmountable in time but which cannot be corrected with existing knowledge at currently acceptable cost; the limitations are so severe as to preclude successful sustained use of the land in the given manner. Existing forest, shrubland greater 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.

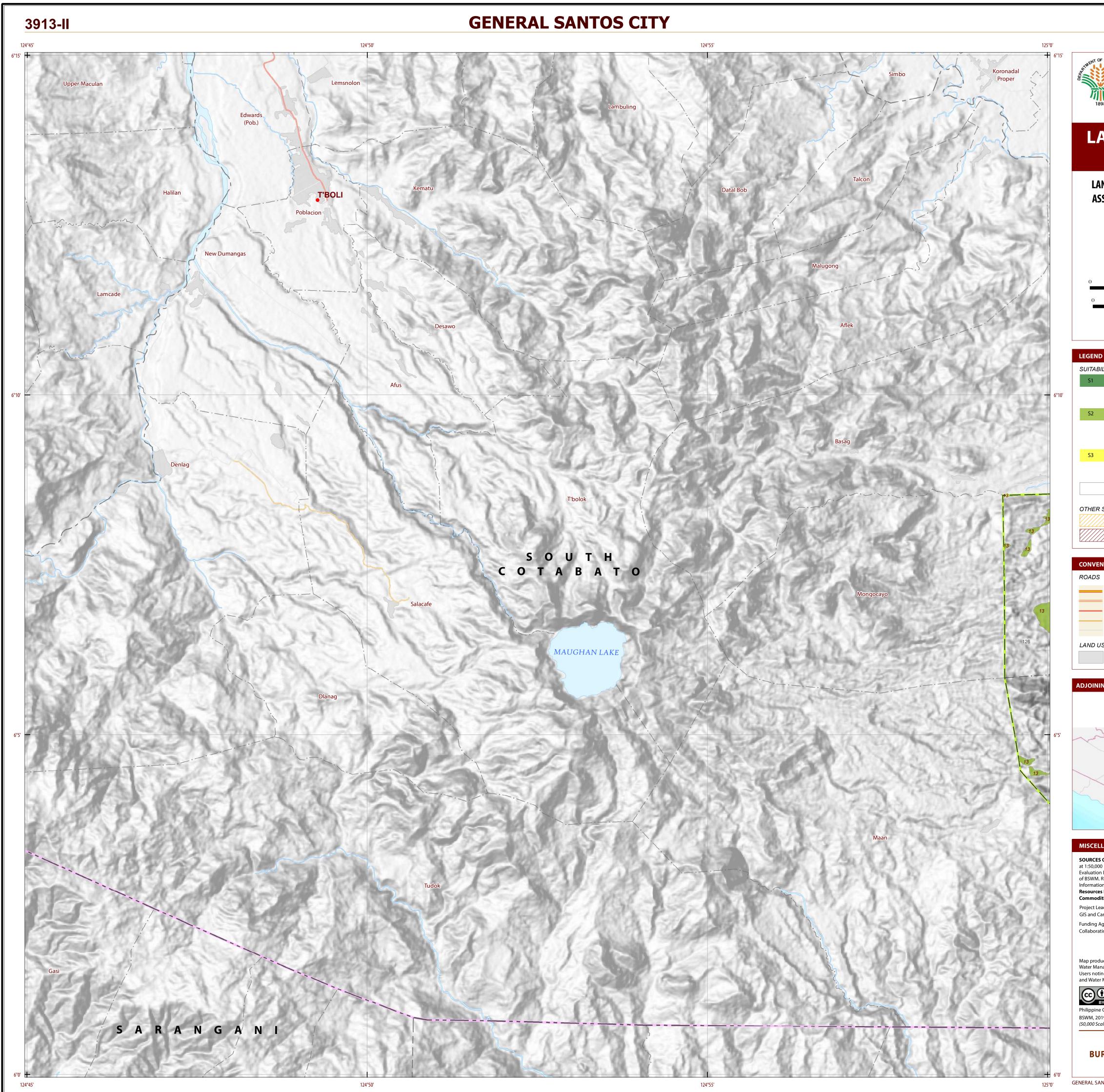




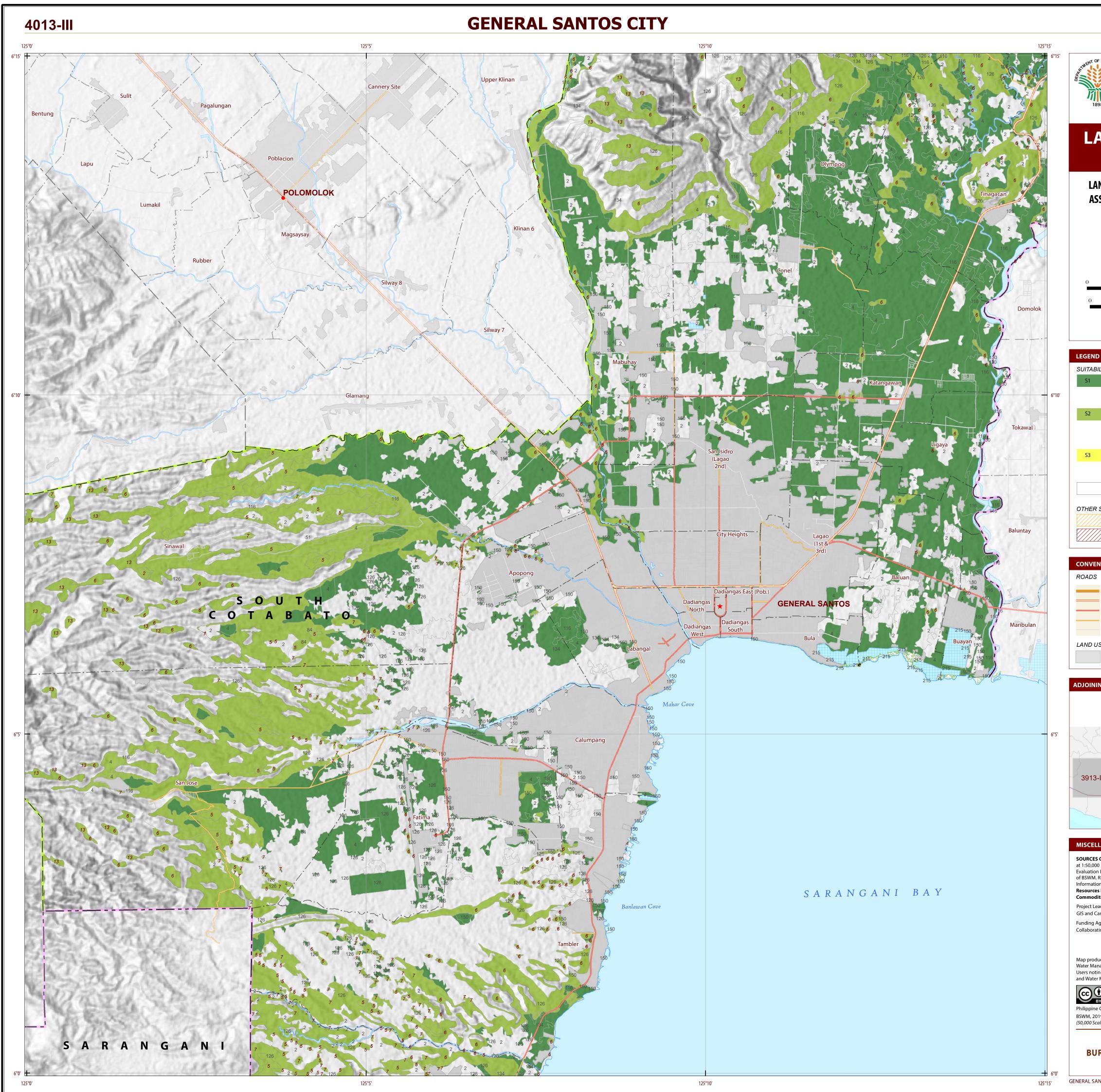
	Мс	ount	Matutu	m
S98	ACTION OF AGAILOUT	I TURAL PEOP	1898	ACULTURE
AND S	UITABI RUBBI		Y MAP	
	CES EVALUATIO DF STRATEGIC P			
	W S	E		
0.5 1		<b>000</b> 3	4 5	j.
	Kilometers 1 Miles nsverse Mercator Zone 5 All political boundaries			
D BILITY CLASSES				
<ul> <li>Highly Suitable application of a cantly reduce pr an acceptable left</li> <li>Moderately Suit moderately seve will reduce prod extent that the attractive, will b</li> <li>Marginally Suit severe for sustai</li> </ul>	itable - Land having l ere for sustained appl luctivity or benefits ar overall advantage to b e appreciably inferior table - Land having lin ined application of a <u>c</u> s, or increase required justified.	nor limitation s and will not imitations wh ication of a g nd increase re be gained fro to that exper mitations wh given use and	is that will not sign raise inputs above nich in aggregate a iven use; the limita equired inputs to t m the use, althoug cted on class S1 la ich in aggregate a l will so reduce pro	nifi- e are ations the gh still nd. re oduc-
SIGNS NGP Areas Cacao	Land lim Land use			
NTIONAL SIGNS	BOUNDARY	HYDRO	NOGY	
Expressway Trunk line Primary Secondary Tertiary	Region Province District Municipali Barangay	PLACE	Sea / Shoreline Lakes / Rivers	,
Built-up	Fishpond	M	angrove	
ING SHEETS 4013-I 4013-IV 3-II 4013-III	Jores	II A A A A A A A A A A A A A A A A A A A	NDEX MAP	
	RMATION Topographic information is information from the A			Мар
n Division (ALMED), Sc Rice areas obtained fr on System (PRISM) (IRI es Evaluation and Sui lities Project impleme eader : BERN Cartography : IRVIN Agency : Dep ating Agencies : Phil : Dep Agr : Loca	bills Survey Division (SSD) orom the Land Use System RI, 2015). Data analysis at <b>tability Assessment of</b> ented by BSWM (2017). IARDO B. PASCUA VK. SAMALCA bartment of Agriculture - ippine Council on Agricu- bartment of Agriculture a iculture Regional Field O al Government Unit (LGL cs and Soil Information Te	and Laborator n (FAO, 2015) an nd compilation <b>Strategic Prod</b> Iture and Fishe and Fisheries - <i>J</i> ffice of Region J) of covered pro	y Services Division (I nd Philippine Rice through the <b>Land</b> <b>luction Areas for Ma</b> cultural Research (D. eries (PCAF) ARMM, Department of IX, X, XI, XII and XIII ( rovinces and municip	ajor A-BAR) of Caraga) palities
er Management. This   BY NC SA BY NC SA	s in this publication are r publication is licensed ur national License. Unless ectual property rights, ir iblication should be attri ap Series for Rubber of GE	nder a Creative otherwise note n this publication buted as :	Commons Attribution ad, copyright and any on is owned by the	on 4.0
R E P U DEPAR IREAU OF SO SRDC Bldg., Elliptical	BLIC OF THE PH TMENT OF AGE DILS AND WAT Road Cor. Visayas Avenue, 22) 332-9534 E-mail : bswr	ER MAN	RE AGEMENT nn City 1101	
ANTOS CITY		Sheet i	l of 6 Sheet No. 4	4013-IV



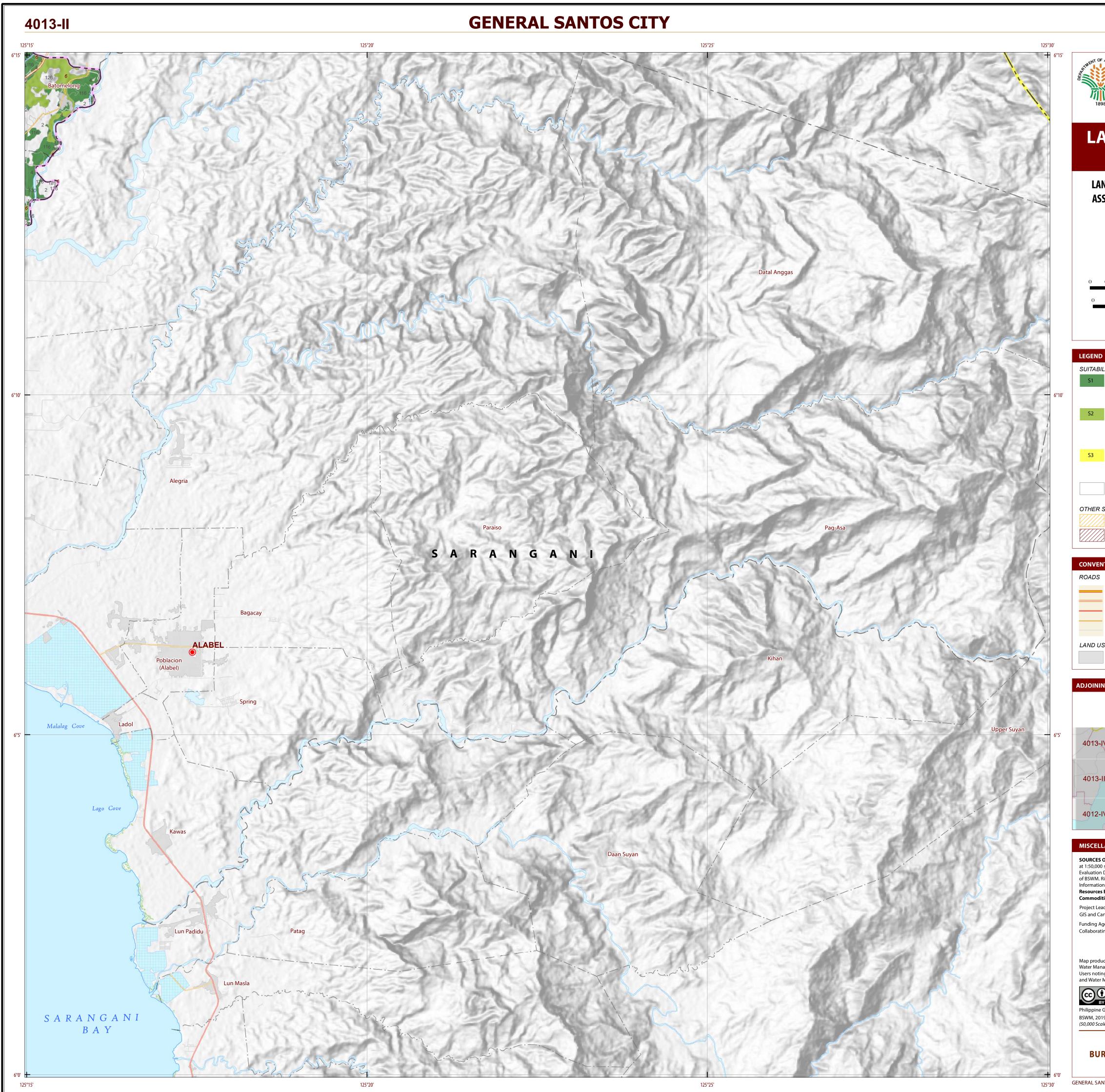
		K	<b>Kabayawa</b>
SPR CLUTT	AND REAL PROPERTY OF AGRICULT	ALCULTURAL MEDIA	1898
AND S	UITAB RUBB		ΥΜΑΡ
	CES EVALUATI DF STRATEGIC		
	w - S	FE	
0.5 1	SCALE 1:5 2 Kilometer	3	4 5
Universal Tr	Miles ansverse Mercator Zone : All political boundar		2 Datum
D			
application of a cantly reduce p an acceptable I Moderately Su moderately sev will reduce pro extent that the attractive, will B Marginally Su severe for susta	a given use, or only n productivity or benef evel. <b>uitable</b> - Land having vere for sustained ap ductivity or benefits overall advantage to be appreciably inferi- <b>itable</b> - Land having ained application of a ts, or increase require v justified.	ninor limitation fits and will n plication of a and increase o be gained fi or to that exp limitations w a given use a	itations to sustained ons that will not signifi- ot raise inputs above which in aggregate are given use; the limitations required inputs to the rom the use, although still bected on class S1 land. which in aggregate are nd will so reduce produc- at this expenditure will be
SIGNS NGP Areas Cacao	116 Land li Land u	<b>mitation</b> se	
NTIONAL SIGNS			
Expressway Trunk line Primary Secondary Tertiary	BOUNDARY Region Province District Municipa Barangay	PLAC	Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town
Built-up	Fishpond		Mangrove
ING SHEETS 4013		- Alton	INDEX MAP
LANEOUS INFO	RMATION		
0 scale. Land resourc n Division (ALMED), S . Rice areas obtained f on System (PRISM) (IF <b>es Evaluation and Su</b> <b>lities Project</b> implement eader : BERI Cartography : IRVI Agency : De titing Agencies : Phi : De Agency : De titing Agencies : Phi : De Agency : Low luced by the Geomat nagement (BSWM). ing errors or omission r Management. This Inte	es information from the coils Survey Division (SS from the Land Use Syste RI, 2015). Data analysis <b>itability Assessment o</b> tented by BSWM (2017) NARDO B. PASCUA N K. SAMALCA epartment of Agriculture ilippine Council on Agri partment of Agriculture riculture Regional Field cal Government Unit (Li ics and Soil Information as in this publication ar	e Agricultural L iD) and Labora em (FAO, 2015) and compilati of Strategic Pr e - Bureau of A iculture and Fisheries I Office of Regio GU) of covered n Technology D e requested to under a Creati ss otherwise no	tory Services Division (LSD) and Philippine Rice on through the <b>Land</b> oduction Areas for Major gricultural Research (DA-BAR) heries (PCAF) - ARMM, Department of on IX, X, XI, XII and XIII (Caraga) provinces and municipalities ivision, Bureau of Soils and inform the Bureau of Soils ve Commons Attribution 4.0 oted, copyright and any other
e Government. This p D19. Land Suitability M cale) . CC BY NC SA 4.0 R E P U D E P A R IREAU OF S (	ublication should be at lap Series for Rubber of C b. BLIC OF THE P RTMENT OF AC DILS AND WA	tributed as : GENERAL SANTO HILIPPINI GRICULTU TER MA	os city S JRE NAGEMENT
	al Road Cor. Visayas Aveni 32) 332-9534 E-mail : <i>bsv</i>	vmclientcenter@y	



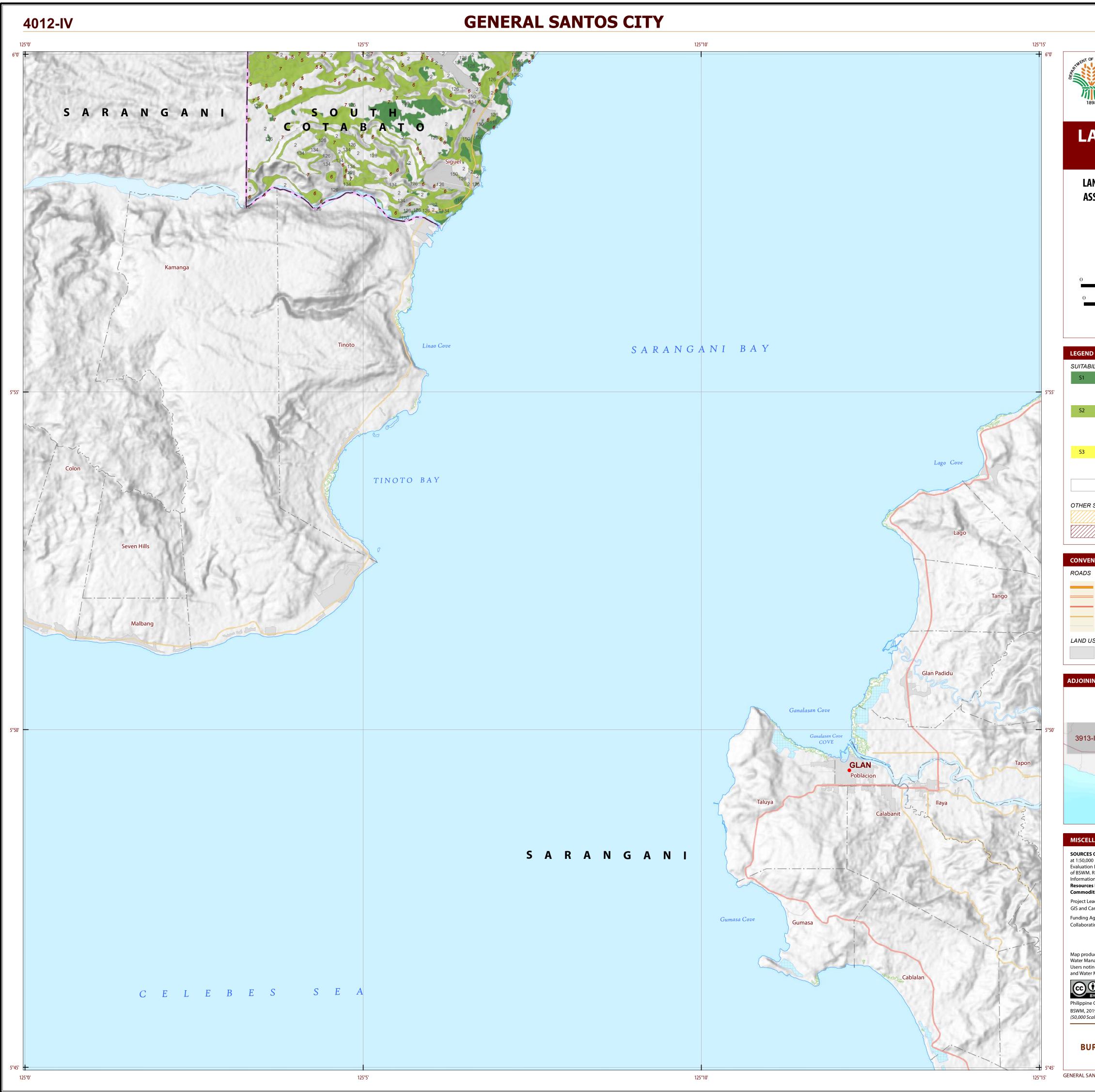
	Parke	er Volcano
Byse Contraction of the second	RAGRICULTURAL MODE	1898
AND SUIT RUI	ABILIT BBER	ΥΜΑΡ
ND RESOURCES EVAI		
w -	E S	
0.5 1 2	1:50 000 3 ometers 2	4 5 3
I Universal Transverse Merca DISCLAIMER : All political b		
<ul> <li>BILITY CLASSES</li> <li>Highly Suitable - Land havia application of a given use, or cantly reduce productivity of an acceptable level.</li> <li>Moderately Suitable - Land moderately severe for sustai will reduce productivity or be extent that the overall advara attractive, will be appreciab</li> <li>Marginally Suitable - Land severe for sustained application tivity or benefits, or increase only marginally justified.</li> <li>Not Suitable/ Not Relevanter SIGNS</li> </ul>	r only minor limita or benefits and will d having limitation ned application of benefits and increas ntage to be gained ly inferior to that es having limitations tion of a given use e required inputs, th	tions that will not signifi- not raise inputs above s which in aggregate are a given use; the limitations se required inputs to the from the use, although still xpected on class S1 land. which in aggregate are and will so reduce produc-
NGP Areas Cacao	Land limitation Land use	
NTIONAL SIGNS BOUNDARY	' HYE	PROLOGY
Trunk line   P     Primary   P     Secondary   N	Region rovince District PLA Aunicipality 🖈 arangay 🍥	Sea / Shoreline Lakes / Rivers CES Capital City / City Capital Town / Town
JSE Built-up Fishp	bond	Mangrove
ING SHEETS 3913-II 4013 4013 4012 4012		INDEX MAP
<b>5 OF INFORMATION :</b> Topographic i 10 scale. Land resources information n Division (ALMED), Soils Survey Div Rice areas obtained from the Land on System (PRISM) (IRRI, 2015). Data <b>25 Evaluation and Suitability Assest</b> <b>1 lities Project</b> implemented by BSW eader : BERNARDO B. PASC Cartography : IRVIN K. SAMALCA	from the Agricultural ision (SSD) and Labor Use System (FAO, 201 analysis and compila <b>ssment of Strategic I</b> M (2017). CUA griculture - Bureau of	I Land Management and ratory Services Division (LSD) 5) and Philippine Rice ation through the <b>Land</b> <b>Production Areas for Major</b> Agricultural Research (DA-BAR)
Agriculture Regio	nal Field Office of Reg t Unit (LGU) of covere prmation Technology	
International Licen	se. Unless otherwise ty rights, in this publi uld be attributed as :	ative Commons Attribution 4.0 noted, copyright and any other cation is owned by the TOS CITY
REPUBLIC OF T DEPARTMENT ( IREAU OF SOILS AN) SRDC Bldg., Elliptical Road Cor. Visa Tel/Fax No. : (+632) 332-9534 E	DF AGRICULT D WATER MA yas Avenue, Diliman, Q	URE ANAGEMENT uezon City 1101
ANTOS CITY	Sh	eet 3 of 6 Sheet No. 3913-II



	General	Santo	os City
B98	A CALLED A CALLER	DEPARA	I898
AND SU	JITABII RUBBE		MAP
ND RESOURCE SSESSMENT OF			
	W S		
0.5 1	CALE 1:500	4	5
0.5	Kilometers	2	3
	Miles verse Mercator Zone 51 N I political boundaries ar		
D			
application of a gi	Land having no signif ven use, or only minoi ductivity or benefits ai	r limitations that	t will not signifi-
Moderately Suita moderately severe will reduce produc extent that the over	<b>ble</b> - Land having lim for sustained applica ctivity or benefits and erall advantage to be appreciably inferior to	tion of a given u increase require gained from the	use; the limitations ed inputs to the e use, although still
Marginally Suital	<b>ble</b> - Land having limited application of a giv or increase required in stified.	tations which in en use and will s	aggregate are so reduce produc-
2 SIGNS			
NGP Areas Cacao	Land limita Land use	tion	
NTIONAL SIGNS			
Expressway Trunk line Primary	UNDARY Region Province District	$\sim$	Y ea / Shoreline akes / Rivers
Secondary Tertiary	Municipality Barangay	★ ★ Cap	ital City / City ital Town / Town
Built-up	Fishpond	Mangro	ove
ING SHEETS		INDEX	КМАР
4013-II			
4013-IV	4013-I		
4013-III 4012-IV	4013-II		
~ ~	$\sim$	S. Market	
			Tanaamuukis Man
S OF INFORMATION : Top 00 scale. Land resources in n Division (ALMED), Soils . Rice areas obtained fron on System (PRISM) (IRRI, es Evaluation and Suites Division Provided in States	nformation from the Agri Survey Division (SSD) an n the Land Use System (F 2015). Data analysis and <b>bility Assessment of Str</b>	icultural Land Man Id Laboratory Serv AO, 2015) and Phil compilation throu	agement and rices Division (LSD) lippine Rice gh the <b>Land</b>
	ed by BSWM (2017). RDO B. PASCUA . SAMALCA		
ating Agencies : Philipp : Depar Agricu : Local (	tment of Agriculture and Ilture Regional Field Offic Government Unit (LGU) o	re and Fisheries (P Fisheries - ARMM te of Region IX, X, X of covered province	PCAF) , Department of XI, XII and XIII (Caraga) es and municipalities
duced by the Geomatics a inagement (BSWM). ing errors or omissions ir ir Management.			
This pull Internation intellect e Government. This public 019. Land Suitability Map		nerwise noted, cop nis publication is or ted as :	pyright and any other
cale) . CC BY NC SA 4.0.	Series for Nubber of GENER		1
DEPART	LIC OF THE PHIL MENT OF AGRI LS AND WATE	CULTURE	
DEPART IREAU OF SOII SRDC Bldg., Elliptical RC	LIC OF THE PHIL MENT OF AGRI	CULTURE R MANAG liman, Quezon City	1101



	Alabel
Proprietor OF AGAILOUT IN TO FAGAILOUT IN ALL	1898
AND SUITABILI RUBBER	ΤΥ ΜΑΡ
ND RESOURCES EVALUATION AN SSESSMENT OF STRATEGIC PROD	
W-ES	
SCALE 1:50 000           0.5         1         2         3	4 5
Kilometers 0.5 1 2 Miles Universal Transverse Mercator Zone 51 N. PR DISCLAIMER : All political boundaries are no	
<ul> <li>BILITY CLASSES</li> <li>Highly Suitable - Land having no significan application of a given use, or only minor lim cantly reduce productivity or benefits and w an acceptable level.</li> <li>Moderately Suitable - Land having limitation</li> </ul>	itations that will not signifi- ill not raise inputs above ons which in aggregate are
<ul> <li>moderately severe for sustained application will reduce productivity or benefits and incrextent that the overall advantage to be gain attractive, will be appreciably inferior to that</li> <li>Marginally Suitable - Land having limitation severe for sustained application of a given untivity or benefits, or increase required inputs only marginally justified.</li> <li>Not Suitable/ Not Relevant</li> </ul>	ease required inputs to the ed from the use, although still expected on class S1 land. Ins which in aggregate are se and will so reduce produc-
SIGNS NGP Areas Cacao	
NTIONAL SIGNS	YDROLOGY
Expressway Region	Sea / Shoreline
<ul> <li>Trunk line</li> <li>Province</li> <li>Primary</li> <li>Secondary</li> <li>Municipality</li> </ul>	→→→ Lakes / Rivers → Capital City / City
Primary District Primary Secondary Municipality Control of the secondary Sec	ACES
Primary District Primary Secondary Municipality & Municipality & Secondary Tertiary Barangay © ISE Built-up Fishpond	ACES ★ Capital City / City • Capital Town / Town
Primary Secondary Tertiary Barangay () SE Built-up Fishpond ING SHEETS 40113-II	ACES  Capital City / City Capital Town / Town Mangrove
Primary Secondary Tertiary Barangay ()	ACES  Capital City / City Capital Town / Town Mangrove
Primary Secondary Tertiary District Barangay () SE Built-up Fishpond () ING SHEETS 4013-II -III 4013-II	ACES  Capital City / City Capital Town / Town Mangrove
Primary Secondary Tertiary District Barangay () <i>ISE</i> Built-up Fishpond <b>ING SHEETS</b> 4013-II -IV 4013-II -IV 4013-II -IV	ACES  Capital City / City Capital Town / Town Mangrove
Primary Secondary Tertiary	ACES Capital City / City Capital Town / Town Mangrove INDEX MAP COMPANY COMPAN
Primary Secondary Tertiary District Primary Secondary Tertiary District Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Primary Barangay Tertiary Primary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary Primary Barangay Tertiary District Primary Barangay Tertiary District Primary Barangay District Primary District Primary	ACES Capital City / City Capital Town / Town Mangrove INDEX MAP COMPANY COMPAN
Primary Secondary Tertiary	ACES (apital City / City (capital Town / Town) (Capital City / City (Capital City / City) (Capital City / City / City) (Capital City / Cit
Primary Secondary Tertiary District P Municipality Barangay ()	ACES



	Tang	o Maasim
B98	Real of AGRICOLIUM.	1898
	UTABILIT RUBBER	<b>ΓΥ ΜΑΡ</b>
	SEVALUATION AND STRATEGIC PRODU	
	W - E S	
0.5 1 0.5 1	Second state         Second state           2         3           Kilometers         2	4 5 3
	Miles erse Mercator Zone 51 N. PRS 1 political boundaries are not a	
D		
<ul> <li>application of a give cantly reduce produce an acceptable level.</li> <li>Moderately Suitab moderately severe f will reduce product extent that the over attractive, will be ap</li> <li>Marginally Suitabl severe for sustained</li> </ul>	Ie - Land having limitation: for sustained application of ivity or benefits and increas rall advantage to be gained opreciably inferior to that ex e - Land having limitations I application of a given use increase required inputs, th ified.	tions that will not signifi- not raise inputs above s which in aggregate are a given use; the limitations se required inputs to the I from the use, although still xpected on class S1 land.
SIGNS NGP Areas Cacao	Land limitation Land use	
NTIONAL SIGNS		
Expressway Trunk line Primary Secondary Tertiary JSE Built-up	Region Province	DROLOGY Sea / Shoreline Lakes / Rivers CES Capital City / City Capital Town / Town
ING SHEETS		INDEX MAP
4012-IV	4013-II	
LANEOUS INFORM		
00 scale. Land resources inf         n Division (ALMED), Soils S         n Rice areas obtained from to         on System (PRISM) (IRRI, 20         est Evaluation and Suitabilities Project implemented         lities Project implemented         eader       : BERNARD         Cartography       : IRVIN K.S         Agency       : Departmented         ting Agencies       : Philippir         : Local Go       : Local Go         Auced by the Geomatics and       : nagement (BSWM).         ing errors or omissions in to       : Management.         This public       : Diversion         Diversion       : This public         Internation       : intellecture         e Government. This public       : intellecture         : and Suitability Map Se       : acae). CC BY NC SA 4.0.	DO B. PASCUA SAMALCA nent of Agriculture - Bureau of ne Council on Agriculture and F nent of Agriculture and Fisheric ure Regional Field Office of Reg overnment Unit (LGU) of covere d Soil Information Technology this publication are requested t ication is licensed under a Crea	I Land Management and ratory Services Division (LSD) 5) and Philippine Rice ation through the Land Production Areas for Major Agricultural Research (DA-BAR) Fisheries (PCAF) es - ARMM, Department of gion IX, X, XI, XII and XIII (Caraga) ed provinces and municipalities Division, Bureau of Soils and to inform the Bureau of Soils ative Commons Attribution 4.0 noted, copyright and any other cation is owned by the ITOS CITY
DEPARTM REAU OF SOIL SRDC Bldg., Elliptical Roa	<b>IENT OF AGRICULT</b> <b>S AND WATER M/</b> d Cor. Visayas Avenue, Diliman, Q (2-9534 E-mail: <i>bswmclientcenter</i> )	URE ANAGEMENT uezon City 1101