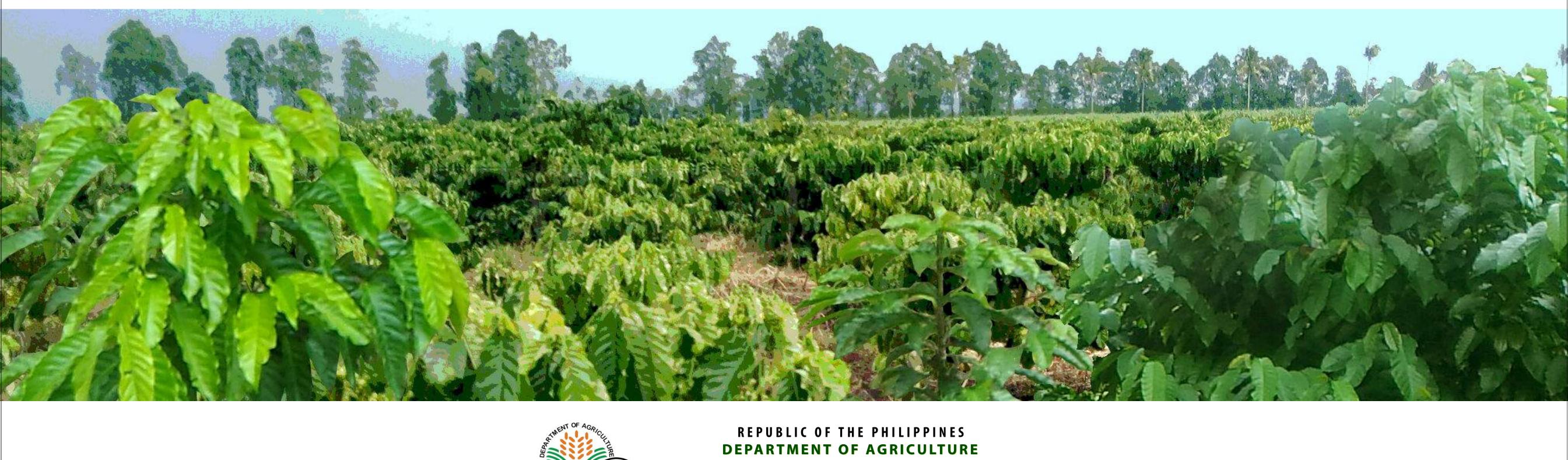
ROBUSTA, LIBERICA AND EXCELSA COFFEE

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

PROVINCE OF DAVAO ORIENTAL

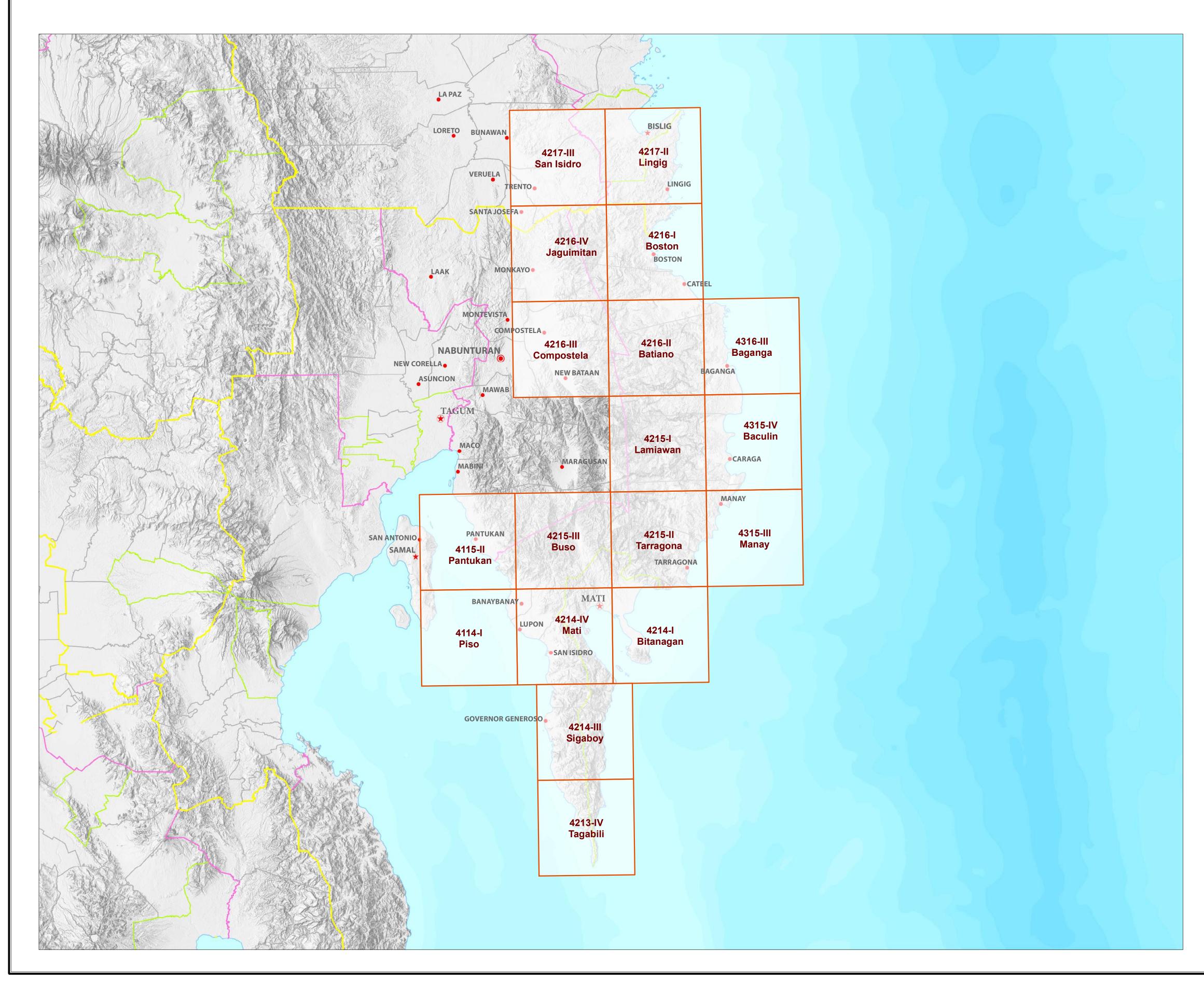


LAND SUITABILITY MAP



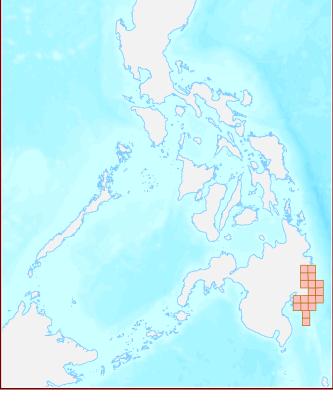
BUREAU OF SOILS AND WATER MANAGEMENT SRDC Bldg., Elliptical Road Cor. Visayas Avenue, Diliman, Quezon City 1101 Tel/Fax No.: (+632) 332-9534 E-mail: bswmclientcenter@yahoo.com

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS **PROVINCE OF DAVAO ORIENTAL**



MAP INDEX

LEGEN	D
Places	
*	Capital City
*	City
۲	Capital Town
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Adminis	trative Boundary
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	City
	Municipal
Map Ind	lex
	Index grid
Topogra	phic Relief
Bathym	etry
LOCAT	ΙΟΝ ΜΑΡ





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

LAND SUITABILITY MAP FOR **ROBUSTA, LIBERICA AND EXCELSA COFFEE**

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS DAVAO ORIENTAL, REGION XI

EXTENT OF SUITABILITY FOR ROBUSTA, LIBERICA AND EXCELSA COFFEE PRODUCTION BY MUNICIPALITY

						EX	PANSION	AREA (Ha	a)			(CONFLICT	RESOLU	UTION AR	EA (Ha)			TOTAL
MUNICIPALITY	EXISTI	NG COFFI	EE (Ha)	TOTAL EXISTING AREA (Ha)	Сосо	nut	Shrub unmana	•	Grassl unmana	•	Bana	na	Cor	n	Man	igo	Other	crops	POTENTIAL EXPANSION
	S1	S 2	S 3		S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S 2	S1	S 2	AREA (Ha)
BAGANGA	-	-	-	-	1,123	197	6,439	4,445	26	26	2,258	2,605	59	21	-	-	4	2	17,204
BANAYBANAY	-	-	-	-	2,272	11	77	141	883	94	70	-	20	-	3	-	1	-	3,572
BOSTON	3	-	1	4	1,122	-	2,066	26	245	-	-	-	73	-	-	-	-	-	3,532
CARAGA	-	-	-	-	1,496	1,139	96	260	509	203	-	-	-	-	-	-	-	-	3,703
CATEEL	94	38	1,349	1,481	1,846	175	6,474	1,975	573	88	669	685	369	7	-	-	-	-	12,861
CITY OF MATI	15	-	9	24	10,315	2,076	518	27	474	80	363	33	451	67	651	136	2,588	251	18,030
GOVERNOR GENEROSO	-	-	-	-	3,509	-	672	-	730	-	549	-	20	-	1	-	-	-	5,481
LUPON	-	-	25	25	4,154	62	1,290	70	150	62	4,546	34	184	-	9	-	10	-	10,572
MANAY	-	-	-	-	4,150	2,587	31	21	1,869	1,819	-	-	-	-	-	-	-	-	10,477
SAN ISIDRO	-	-	-	-	3,154	678	-	-	362	100	332	9	78	18	266	8	-	-	5,004
TARRAGONA	-	-	52	52	74	231	-	11	451	255	19	42	103	78	7	9	-	1	1,282
TOTAL	112	38	1,436	1,586	33,215	7,157	17,663	6,976	6,271	2,727	8,806	3,408	1,357	190	937	153	2,603	255	91,718

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

AGRONOMIC REQUIREMENT OF ROBUSTA, LIBERICA AND EXCELSA COFFEE 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)	ANNUAL RAINFALL (mm)	CLIMAT TYPE	
Coffee	S1	<8	>100	CL, SiCL, SCL, SC, SiC, C, HC	WD,MWD	5.6 -7.2	high	none-slight	none-slight	t none-few	<1000	2001-4500	I, III, IV	7
(Robusta, Excelsa,	S2	8 - 30	30 - 100	FSL, L, SiL	SPD,PD	5.1 - 5.5 7.3 - 7.8	medium	moderate	moderate	common	1000-2000	1000-2000	I, II	
Liberica)	S3	>30	<30	S, LS, CSL, SL	VPD,ED	<5.0 -> 7.9	low	severe	severe	many	>2000	<1000 >4500		
LOPE (%)	'		SOIL DRAINA	IGE		SOIL REACTIO	N (pH)	1	SOIL TEX	ΓURE			'	
3 - lev	el to gently slopin	g	ED - e	xcessively drained		< 4.5 - ext	remely acid		Coarse			Fine		
- 8 - gen	ntly sloping to und	lulating	WD - v	vell drained		4.5 - 5.0 - ve	ry strongly acid		S	- sand			sandy clay	
18 - uno	dulating to rolling		MWD - n	noderately well drained	d	5.1 - 5.5 - str	ongly acid		LS	- loamy sand		SiC -	silty clay	
	ling to moderately	v steep		omewhat poorly drain	ed		edium acid		CSL	- coarse sandy loar	n		clay	
- 50 - stee	ер			oorly drained			ghtly acid		SL	- sandy loam		HC -	heavy clay	
- ver	y steep		VPD - v	ery poorly drained			utral		Medium					
							ldly alkaline		FSL	- fine sandy loam				
IL DEPTH (c	cm)		SURFACE IM	PEDIMENT		7.9 - 8.4 - mo	derately alkaline		L	- loam				
30 - ver	y shallow		ROCK OUTCR	OPS		> 8.5 - str	ongly alkaline		SiL	- silt loam				
- 50 - sha	llow		<10% - n	one - few					CL	- clay loam				
- 100 - mo	derately deep		10 - 30% - c	ommon					SiCL	- silty clay loam				
	ep to very deep		> 30% - n	nany					SCL	 sandy clay loam 				
> 100 - dee	F													
		S DESCRII		D COMBINAT	IONS									
		S DESCRII		D COMBINAT	IONS	S	OIL DEPTH			SOIL EROSIO	Ň			
AND LIN evation	AITATION	S DESCRII	PTION ANI Soil Drain D2 - Some	D COMBINAT AGE ewhat poorly drained t	to poorly draine	ed S	h2 - Shallow to	-	ep (30 - 100cm)	E2 - Moder	ate erosion			
AND LIN LEVATION	/ITATION 2000m	S DESCRII	PTION ANI Soil Drain D2 - Some	D COMBINAT Age	to poorly draine	ed S		-	ep (30 - 100cm)	E2 - Moder				
AND LIN EVATION 2 - 1000m - 3 - > 2000m	/ITATION 2000m	S DESCRII	PTION ANI Soil Drain D2 - Some	D COMBINAT AGE ewhat poorly drained t poorly drained or exce	to poorly draine	d S I S	h2 - Shallow to	ow (< 30cm)	ep (30 - 100cm)	E2 - Moder	ate erosion			
AND LIN EVATION 2 - 1000m - 3 - > 2000m OPE/TOPOG	/ITATION 2000m		PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU	D COMBINAT AGE ewhat poorly drained t poorly drained or exce	to poorly draine	d S I S	h2 - Shallow to h3 - Very shallo	ow (< 30cm)	ep (30 - 100cm)	E2 - Moder E3 - Severe FLOODING	ate erosion	ding		
AND LIN EVATION 2 - 1000m - 3 - > 2000m OPE/TOPOG - Undulati	AITATION 2000m 1 RAPHY		PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU	D COMBINAT AGE what poorly drained t poorly drained or exce RE	to poorly draine	d S I S F R	h2 - Shallow to h3 - Very shallo	ow (< 30cm)	ep (30 - 100cm)	E2 - Moder E3 - Severe FLOODING F2 - Moder	ate erosion erosion	0		
AND LIN EVATION 2 - 1000m - 3 - > 2000m OPE/TOPOG - Undulati - Steep to	AITATION 2000m n RAPHY ing to moderately very steep	steep	PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU Tc - Coar	D COMBINAT AGE ewhat poorly drained t poorly drained or exce VRE se texture	to poorly drained	d S I S F R R	h2 - Shallow to h3 - Very shallo ROCK OUTCROPS c2 - Common c3 - Many	ow (< 30cm)		E2 - Moder E3 - Severe FLOODING F2 - Moder F3 - Severe	ate erosion erosion ate seasonal floo e seasonal floodin	lg	CODE	LANDUSF
AND LIN EVATION - 1000m - - > 2000m OPE/TOPOG - Undulati - Steep to	AITATION 2000m n RAPHY ing to moderately very steep	steep ODE LIMIT	PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU Tc - Coar	D COMBINAT AGE ewhat poorly drained t poorly drained or exce VRE se texture E LIMITATION	co poorly drained	d S I S F R R LIMITATION	h2 - Shallow to h3 - Very shallo ROCK OUTCROPS ac2 - Common ac3 - Many CODE LIM	ow (< 30cm)	CODE LIM	E2 - Moder E3 - Severe FLOODING F2 - Moder F3 - Severe	ate erosion erosion ate seasonal floo e seasonal floodin	0	CODE	LANDUSE
AND LIN EVATION 2 - 1000m - 3 - > 2000m OPE/TOPOG - Undulati - Steep to DDE LIM 1 E2	AITATION 2000m n RAPHY ing to moderately very steep	steep ODE LIMIT 11 El2-Sh2-Rc	PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU Tc - Coars ATION COD 2 21	D COMBINAT AGE ewhat poorly drained t poorly drained or exce IRE se texture E LIMITATION T2-E3-Rc2	co poorly drained	d S I S F R R	h2 - Shallow to h3 - Very shallo ROCK OUTCROPS c2 - Common c3 - Many CODE LIM 41 T3-El3-	ow (< 30cm) IITATION E3-Sh3-Rc3	CODE LIM 51 T3-F3-E	E2 - Moder E3 - Severe FLOODING F2 - Moder F3 - Severe	ate erosion erosion ate seasonal floo e seasonal floodin CODE 4 Corn	LANDUSE	107 A	baca
AND LIN EVATION - 1000m - - > 2000m OPE/TOPOG - Undulati - Steep to	AITATION 2000m n RAPHY ing to moderately very steep	steep ODE LIMIT 11 El2-Sh2-Rc	PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU Tc - Coars ATION COD 2 21	D COMBINAT AGE ewhat poorly drained t poorly drained or exce VRE se texture E LIMITATION	co poorly drained essively drained CODE <u>31</u> T2-I	d S I S I I I I I I I I I I I I I I I I I	h2 - Shallow to h3 - Very shallo ROCK OUTCROPS c2 - Common c3 - Many CODE LIM 41 T3-El3-	ow (< 30cm) IITATION E3-Sh3-Rc3 02	CODE LIM 51 T3-F3-E	E2 - Moder E3 - Severe FLOODING F2 - Moder F3 - Severe	ate erosion erosion ate seasonal floo e seasonal floodin	LANDUSE	107 A 116 C	
AND LIN EVATION 2 - 1000m - 3 - > 2000m OPE/TOPOG - Undulati - Steep to DDE LIM 1 E2 2 E2-Rc3 3 E2-Sh2-	AITATION 2000m n RAPHY ing to moderately very steep	Steep ODE LIMIT 11 El2-Sh2-Rc 12 El2-Sh2-Rc 13 F2-D2	PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU Tc - Coar ATION COD 2 21 3 22	D COMBINAT AGE ewhat poorly drained t poorly drained or exce IRE se texture E LIMITATION T2-E3-Rc2 T2-E3-Rc3 T2-E3-Sh2-Rc2	co poorly drained essively drained CODE 31 T2-I 32 T3 33 T3-I	ed S I S F F F F S-D2 E 3	h2 - Shallow to h3 - Very shallo ROCK OUTCROPS ac2 - Common ac3 - Many CODE LIM 41 T3-El3-1 42 T3-F2-D	ow (< 30cm) IITATION E3-Sh3-Rc3 02	CODE LIM 51 T3-F3-D 52 T3-E13	E2 - Moder E3 - Severe FLOODING F2 - Moder F3 - Severe	ate erosion erosion ate seasonal floo e seasonal floodin CODE 4 Corn 47 Vegeta 50 Rootcr	ble ops	107 A 116 C 126 G	baca oconut rassland
AND LIN EVATION 2 - 1000m - 3 - > 2000m OPE/TOPOG - Undulati - Steep to DDE LIM 1 E2 2 E2-Rc3	AITATION 2000m n RAPHY ing to moderately very steep	Steep ODE LIMIT 11 El2-Sh2-Rc 12 El2-Sh2-Rc 13 F2-D2	PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU Tc - Coars ATION COD 2 21 3 22 23	D COMBINAT AGE ewhat poorly drained t poorly drained or exce RE se texture E LIMITATION T2-E3-Rc2 T2-E3-Rc3	co poorly drainedcodeand31T2-I32T333T3-I34T3-I	d S I S I I I I I I I I I I I I I I I I I	h2 - Shallow to h3 - Very shallo ROCK OUTCROPS c2 - Common c3 - Many CODE LIM 41 T3-El3-1 42 T3-F2-D 43 T3-F3-D	ow (< 30cm) IITATION E3-Sh3-Rc3 02	CODE LIM 51 T3-F3-D 52 T3-E13	E2 - Moder E3 - Severe FLOODING F2 - Moder F3 - Severe	ate erosion erosion ate seasonal floo e seasonal floodin CODE 4 Corn 47 Vegeta 50 Rootcr	ble ops	107 A 116 C 126 G 134 S	baca oconut
AND LIN EVATION - 1000m - - > 2000m OPE/TOPOG - Undulati - Steep to DDE LIM 1 E2 2 E2-Rc3 3 E2-Sh2- 4 E2-Sh2-	AITATION 2000m n RAPHY ing to moderately very steep	steep ODE LIMIT 11 El2-Sh2-Rc 12 El2-Sh2-Rc 13 F2-D2 14 F3-D2	PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU Tc - Coar ATION COD 2 21 3 22 23 24	D COMBINAT AGE ewhat poorly drained t poorly drained or exce IRE se texture E LIMITATION T2-E3-Rc2 T2-E3-Rc3 T2-E3-Sh2-Rc2 T2-E3-Sh2-Rc2 T2-E3-Sh2-Rc3	CODE 31 T2-I 32 T3 33 T3-I 34 T3-I 35 T3-I	rd S I S I F F F F F F F S-D2 E 3 E 3-Rc2	h2 - Shallow to h3 - Very shallo COCK OUTCROPS c2 - Common c3 - Many CODE LIM 41 T3-El3-1 42 T3-F2-D 43 T3-F3-D 44 T3	ow (< 30cm) IITATION E3-Sh3-Rc3 02 02	CODE LIM 51 T3-F3-D 52 T3-E13	E2 - Moder E3 - Severe FLOODING F2 - Moder F3 - Severe	ate erosion erosion ate seasonal floo e seasonal floodin CODE 4 Corn 47 Vegeta 50 Rootcr 51 Cassav	ble ops	107 A 116 C 126 G 134 S	baca oconut rassland hrubs, unmanaged
AND LIN EVATION 2 - 1000m - 3 - > 2000m OPE/TOPOG - Undulati - Steep to DDE LIM 1 E2 2 E2-Rc3 3 E2-Sh2- 4 E2-Sh2- 5 E3-Rc3	AITATION 2000m 1 RAPHY ing to moderately very steep IITATION CO Rc2 Rc3	Steep DDE LIMIT 11 El2-Sh2-Rc 12 El2-Sh2-Rc 13 F2-D2 14 F3-D2 15 Rc2	PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU Tc - Coar ATION COD 2 21 3 22 23 24 24 25	D COMBINAT AGE ewhat poorly drained t poorly drained or exce RE se texture E LIMITATION T2-E3-Rc2 T2-E3-Rc3 T2-E3-Sh2-Rc2 T2-E3-Sh2-Rc3 T2-E3-Sh2-Rc3 T2-E3-Sh2-Rc3	CODE Image: Code state sta	rd S I S I S I F F S-D2 E S-Rc2 E S-Rc2 E S-Sh2-Rc3	h2 - Shallow to h3 - Very shallow ROCK OUTCROPS h2 - Common h2 - Many CODE LIM 41 T3-E13-1 42 T3-F2-D 43 T3-F3-D 44 T3 45 T3-E3	ow (< 30cm) IITATION E3-Sh3-Rc3 02 02 Rc3	CODE LIM 51 T3-F3-D 52 T3-E13	E2 - Moder E3 - Severe FLOODING F2 - Moder F3 - Severe	ate erosion erosion ate seasonal floo seasonal floodin CODE 4 Corn 47 Vegeta 50 Rootcr 51 Cassav 81 Coffee	ble ops	107 A 116 C 126 G 134 S	baca oconut rassland hrubs, unmanaged
AND LIN EVATION 2 - 1000m - 3 - > 2000m OPE/TOPOG - Undulati - Steep to DDE LIM 1 E2 2 E2-Rc3 3 E2-Sh2- 4 E2-Sh2- 5 E3-Rc3 6 E3-Sh2-	AITATION 2000m 1 2000m 1 RAPHY ing to moderately very steep IITATION CO Rc2 Rc3 Rc3 Rc3 Sh2-Rc3	Steep ODE LIMIT 11 El2-Sh2-Rc 12 El2-Sh2-Rc 13 F2-D2 14 F3-D2 15 Rc2 16 Sh2	PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU Tc - Coars ATION COD 2 21 3 22 23 24 24 25 26	D COMBINAT AGE ewhat poorly drained t poorly drained or exce RE se texture E LIMITATION T2-E3-Rc2 T2-E3-Rc3 T2-E3-Sh2-Rc2 T2-E3-Sh2-Rc3 T2-E12-E3-Rc3 T2-E12-E3-Rc3	CODE 31 T2-1 32 T3 33 T3-1 34 T3-1 35 T3-1 36 T3-1 37 T3-1	rd S I S I S I I I I I I I I I I I I I I I	h2 - Shallow to h3 - Very shallow cock outcrops cc2 - Common cc3 - Many 41 T3-E13-1 42 T3-F2-D 43 T3-F3-D 44 T3 45 T3-E3 46 T3-E3-F 47 T3-E3-S	ow (< 30cm) IITATION E3-Sh3-Rc3 02 02 Rc3	CODE LIM 51 T3-F3-D 52 T3-E13	E2 - Moder E3 - Severe FLOODING F2 - Moder F3 - Severe	ate erosion erosion ate seasonal floo e seasonal floodin CODE 4 Corn 47 Vegeta 50 Rootcr 51 Cassav 81 Coffee 82 Cacao	ble ops a	107 A 116 C 126 G 134 S	baca oconut rassland hrubs, unmanaged
AND LIN EVATION 2 - 1000m - 3 - > 2000m OPE/TOPOG - Undulati - Steep to DDE LIM 1 E2 2 E2-Rc3 3 E2-Sh2- 4 E2-Sh2- 5 E3-Rc3 6 E3-Sh2- 7 El2-E2-S	AITATION 2000m 1 RAPHY ing to moderately very steep IITATION CO Rc2 Rc3 Rc3 Sh2-Rc3 Rc3	Steep ODE LIMIT 11 E12-Sh2-Rc 12 E12-Sh2-Rc 13 F2-D2 14 F3-D2 15 Rc2 16 Sh2 17 Sh2-Rc2	PTION ANI SOIL DRAIN D2 - Some D3 - Very SOIL TEXTU Tc - Coar ATION COD 2 21 3 22 23 24 24 25 26 26 27	D COMBINAT AGE ewhat poorly drained t poorly drained or exce RE se texture E LIMITATION T2-E3-Rc2 T2-E3-Rc2 T2-E3-Rc3 T2-E3-Sh2-Rc2 T2-E3-Sh2-Rc3 T2-E12-E3-Rc3 T2-E12-E3-Rc3 T2-E12-E3-Rc3 T2-E12-E3-Rc2	CODE 31 T2-1 32 T3 33 T3-1 34 T3-1 35 T3-1 36 T3-1 37 T3-1 38 T3-1	rd S I S I S I I I I I I I I I I I I I I I	h2 - Shallow to h3 - Very shallow ROCK OUTCROPS - Common k2 - Common k2 - Many 41 T3-E13-1 42 T3-F2-D 43 T3-F3-D 44 T3 45 T3-E3 46 T3-E3-S 48 T3-E12-1	ow (< 30cm) IITATION E3-Sh3-Rc3 02 02 Rc3 ch3-Rc3	CODE LIM 51 T3-F3-D 52 T3-E13	E2 - Moder E3 - Severe FLOODING F2 - Moder F3 - Severe	ate erosion erosion ate seasonal floo e seasonal floodin CODE 4 Corn 47 Vegeta 50 Rootcr 51 Cassav 81 Coffee 82 Cacao 85 Mango	ble ops a	107 A 116 C 126 G 134 S	baca oconut rassland hrubs, unmanagec

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.

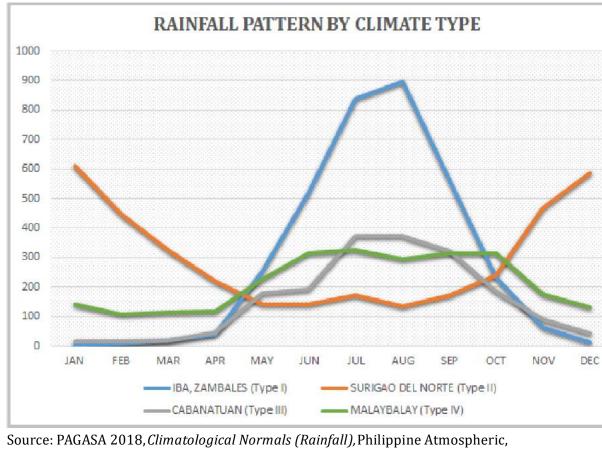
Moderately Suitable (S2)

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 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.

Davao Oriental is classified as climatic Type IV.



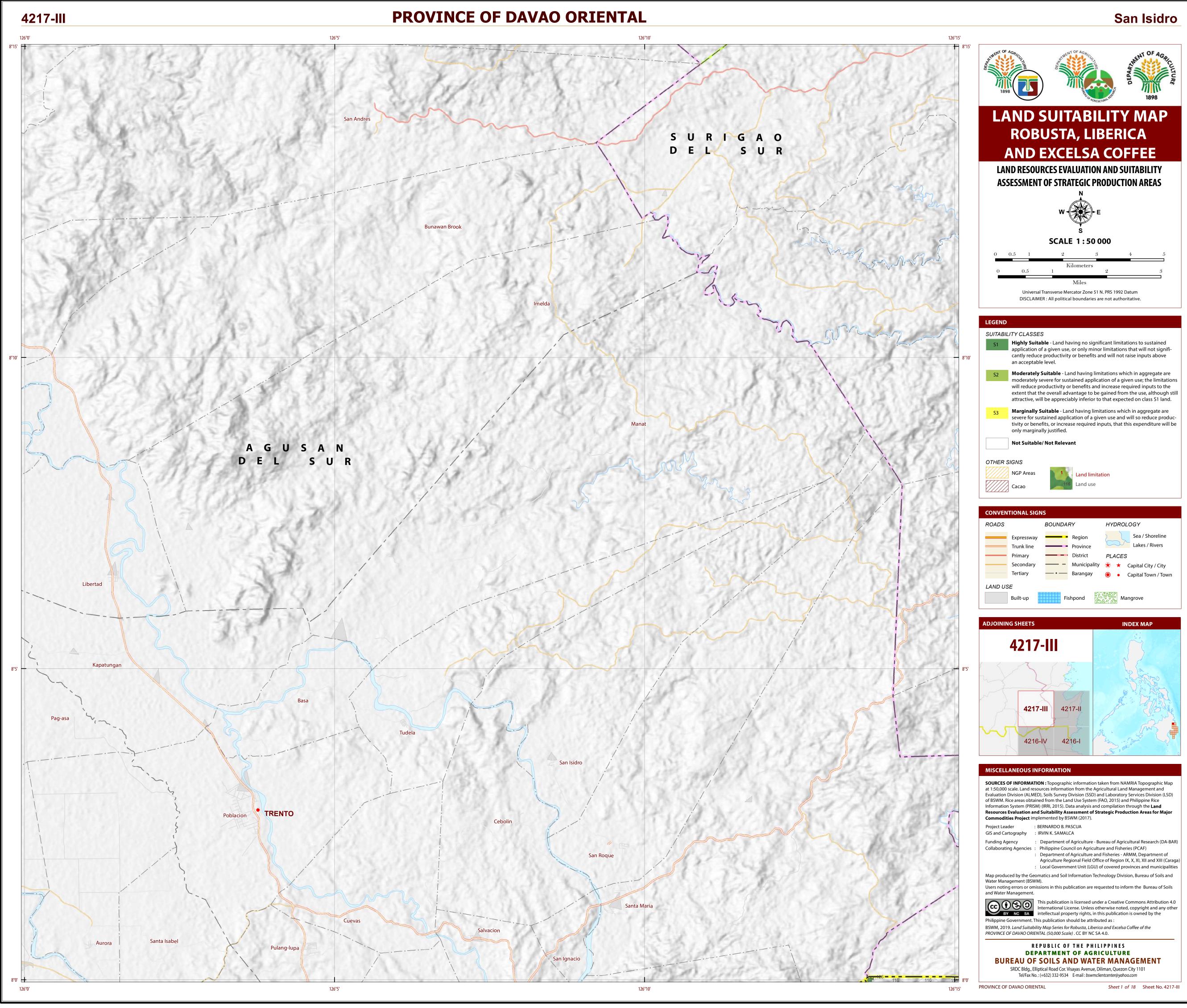
Geophysical and Astronomical Services Administration (PAGASA), accessed 27 July 2018, ">https://www1.pagasa.dost.gov.ph/index.php/climate/climatological-normals>">https://www1.pagasa.dost.gov.ph/index.php/climate/climatological-normals>">https://www1.pagasa.dost.gov.ph/index.php/climate/climatological-normals>">https://www1.pagasa.dost.gov.ph/index.php/climate/c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

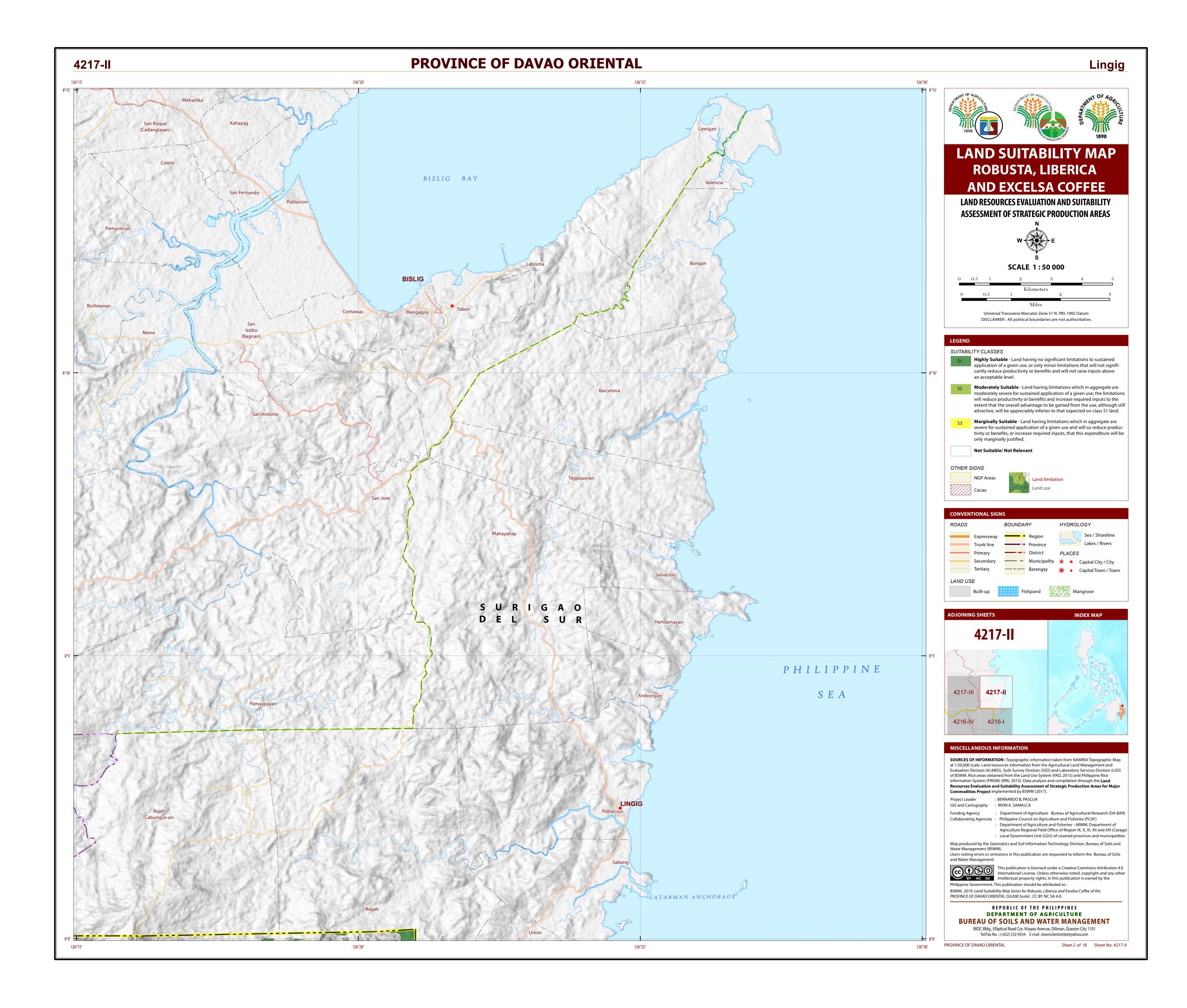
Marginally Suitable (S3) Land having limitations which in aggregate are severe for sustained application of a given use and will so reduce productivity or benefits, or increase required inputs, that this expenditure will be only marginally justified.

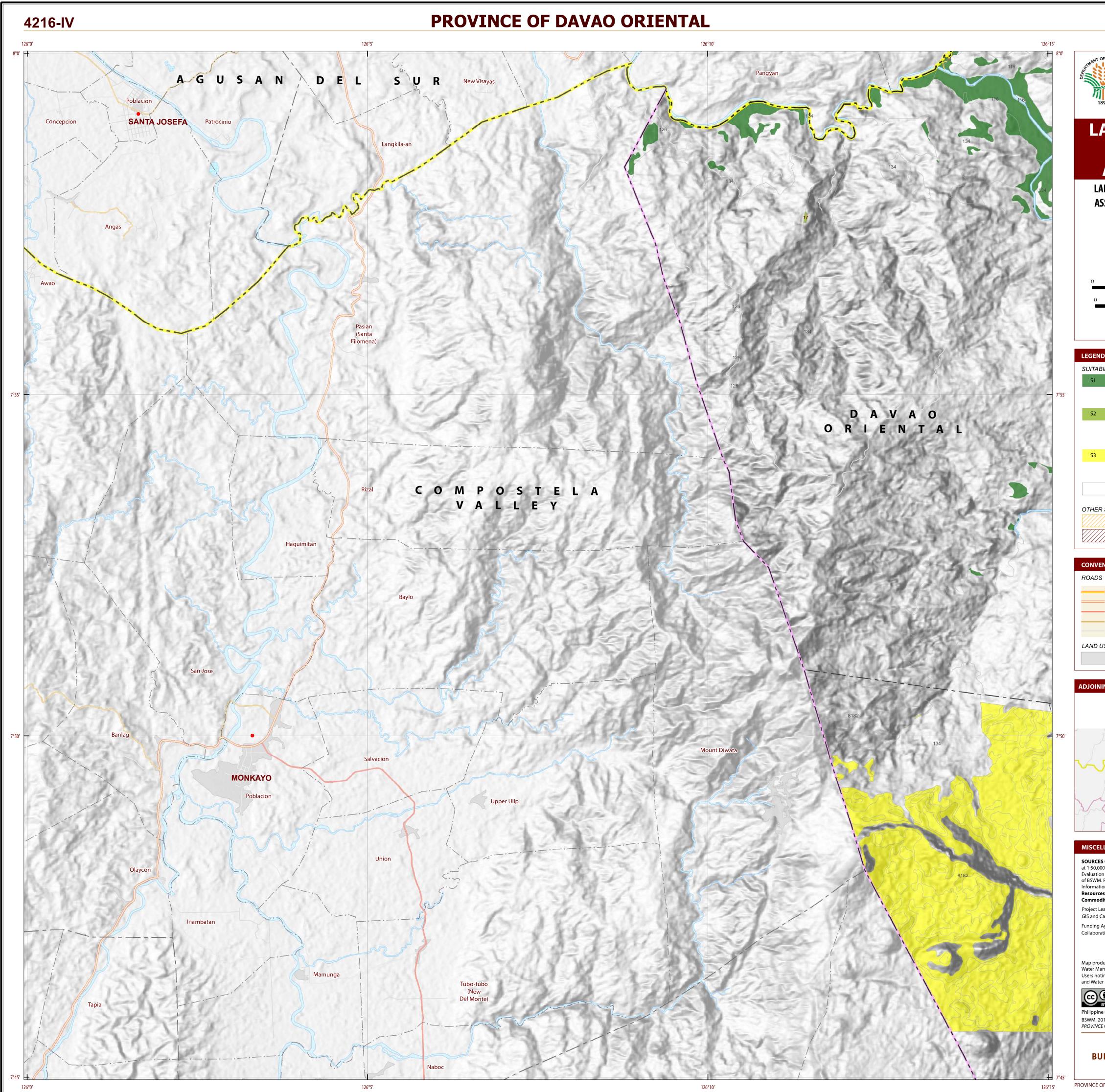
Not Suitable / Not Relevant Land having limitations which may be surmountable in time but which cannot be corrected with existing knowledge at currently acceptable cost; the limitations are so severe as to preclude successful sustained use of the land in the given manner. Existing forest, shrubland greater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

- **TYPE II** : No dry season with a very pronounced maximum rain 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.

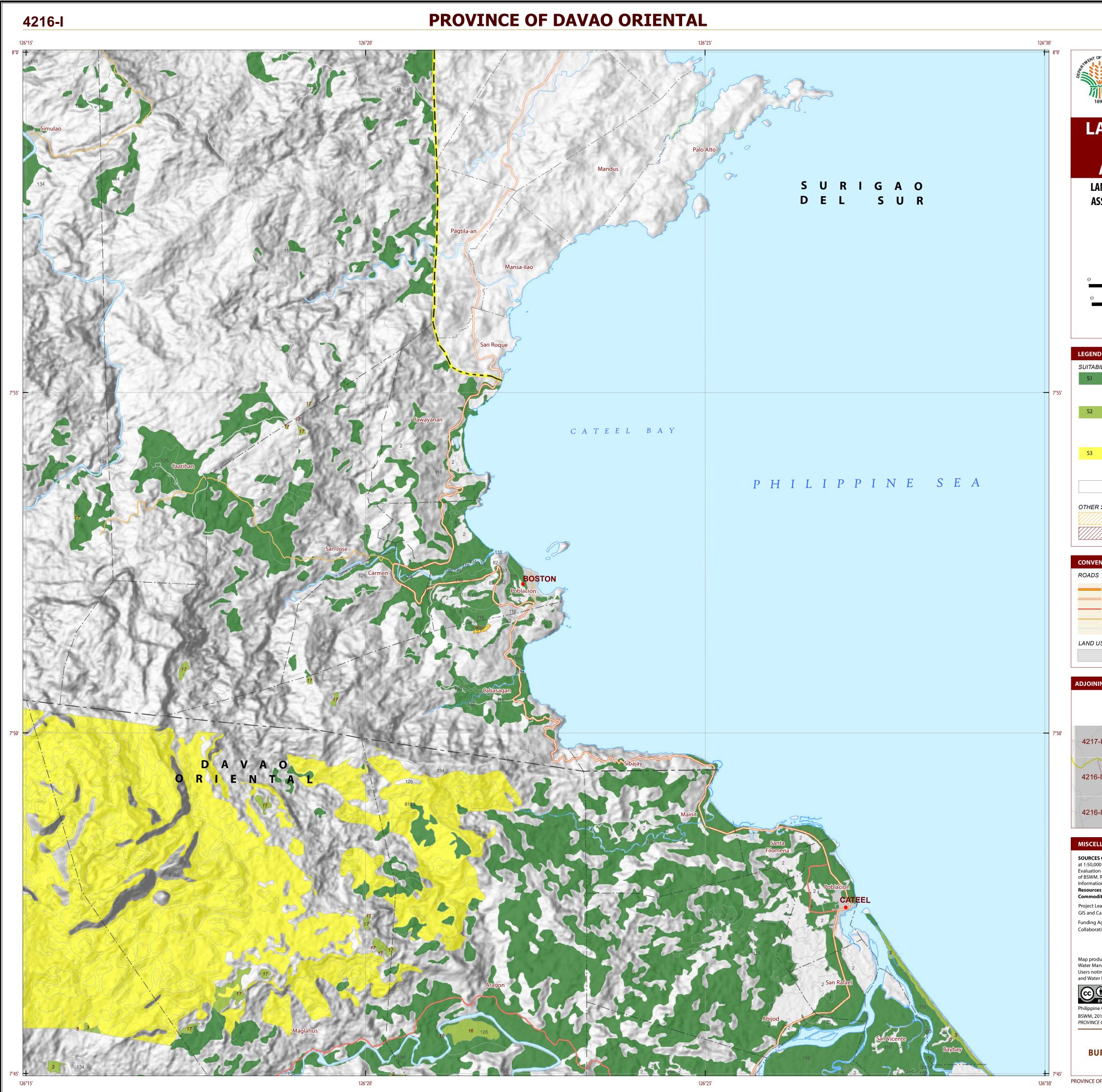




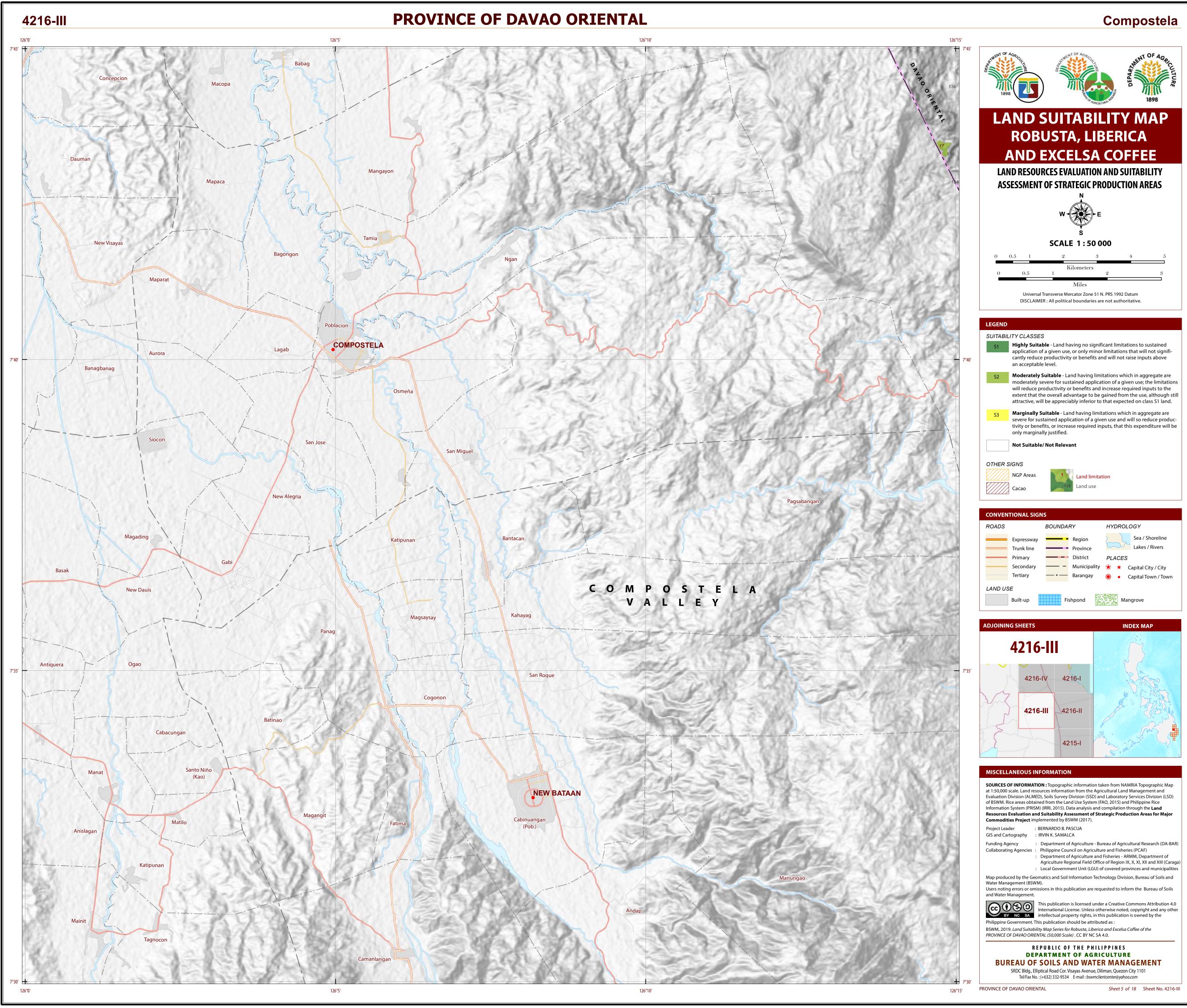


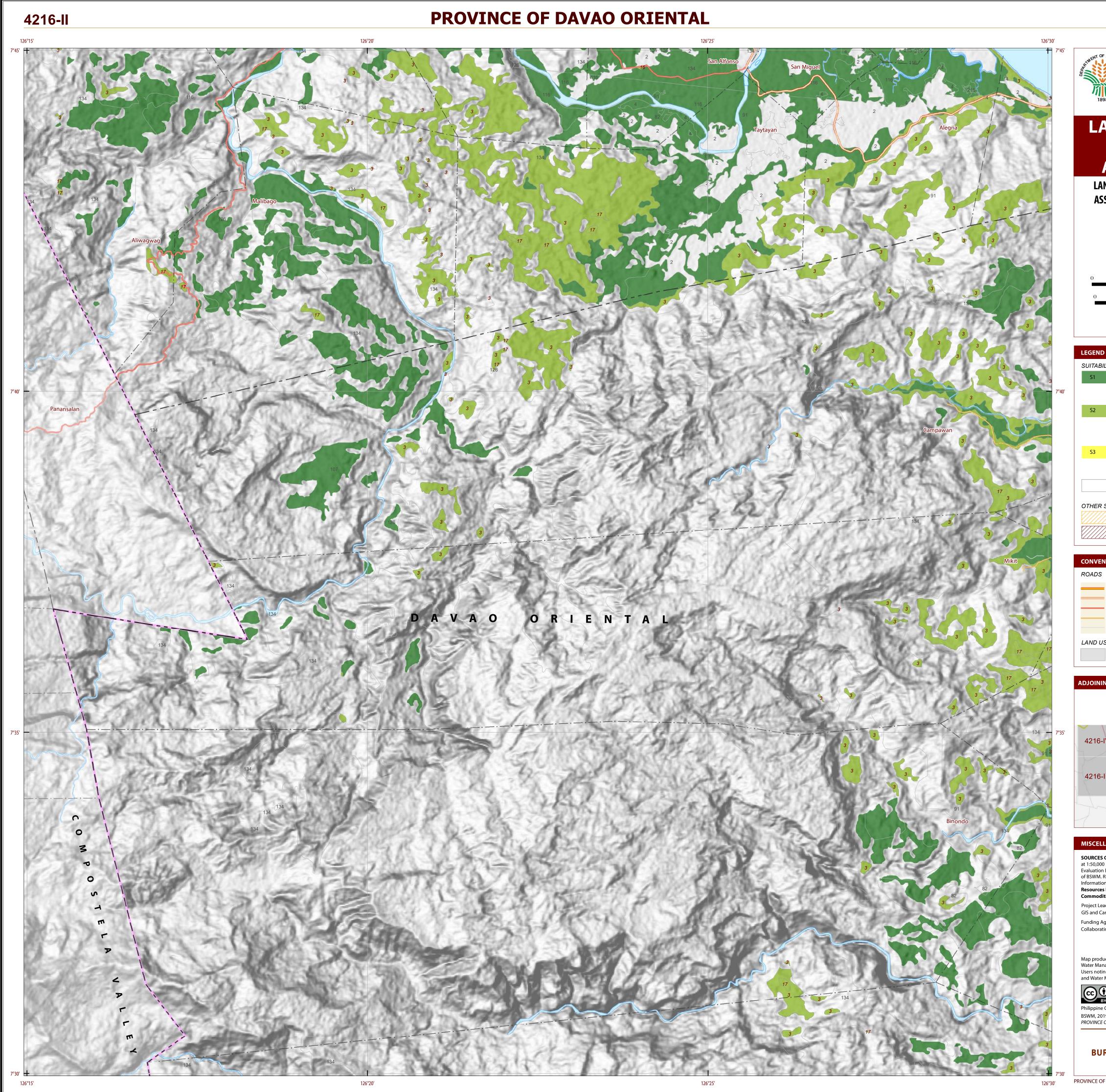


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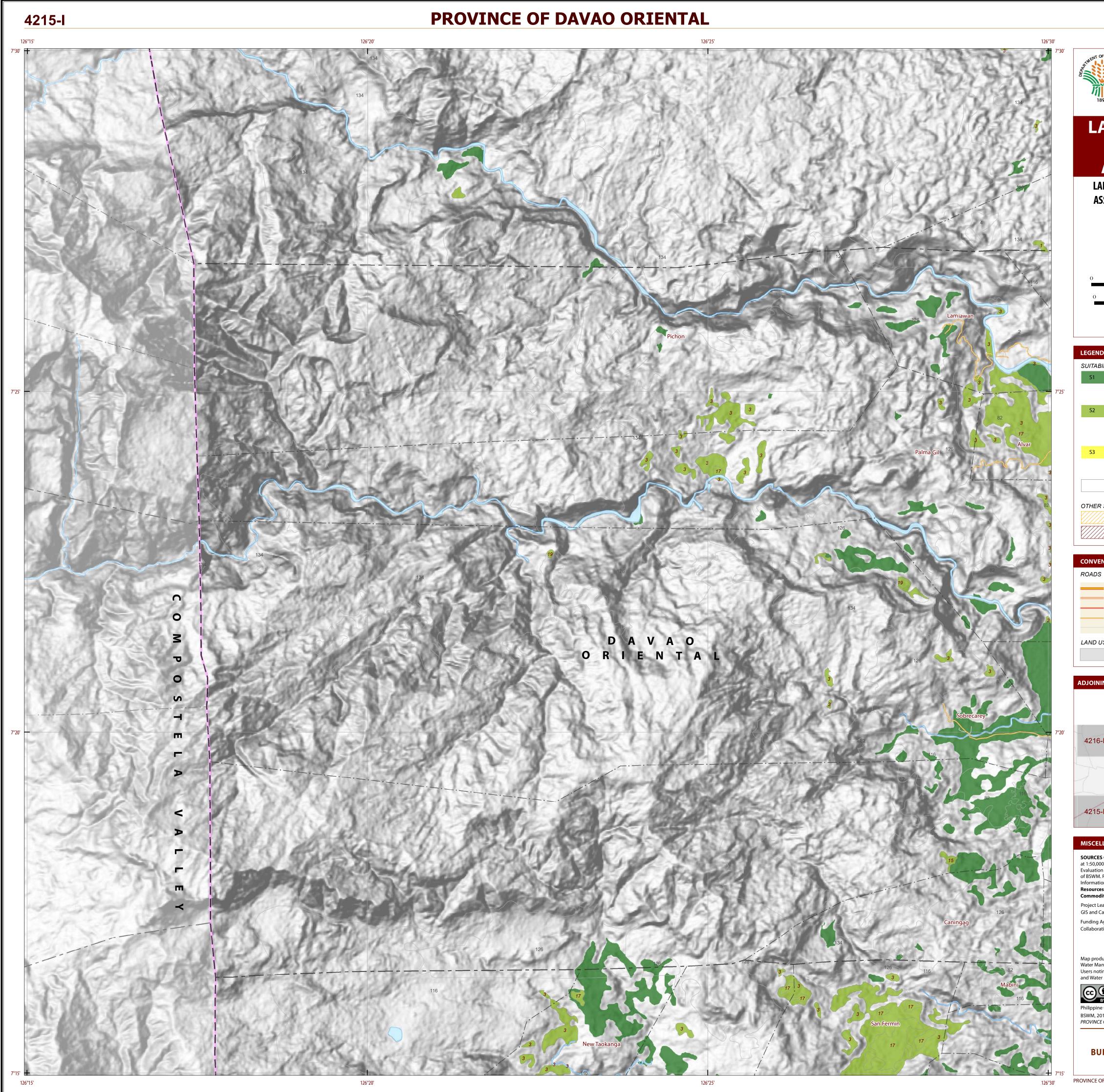


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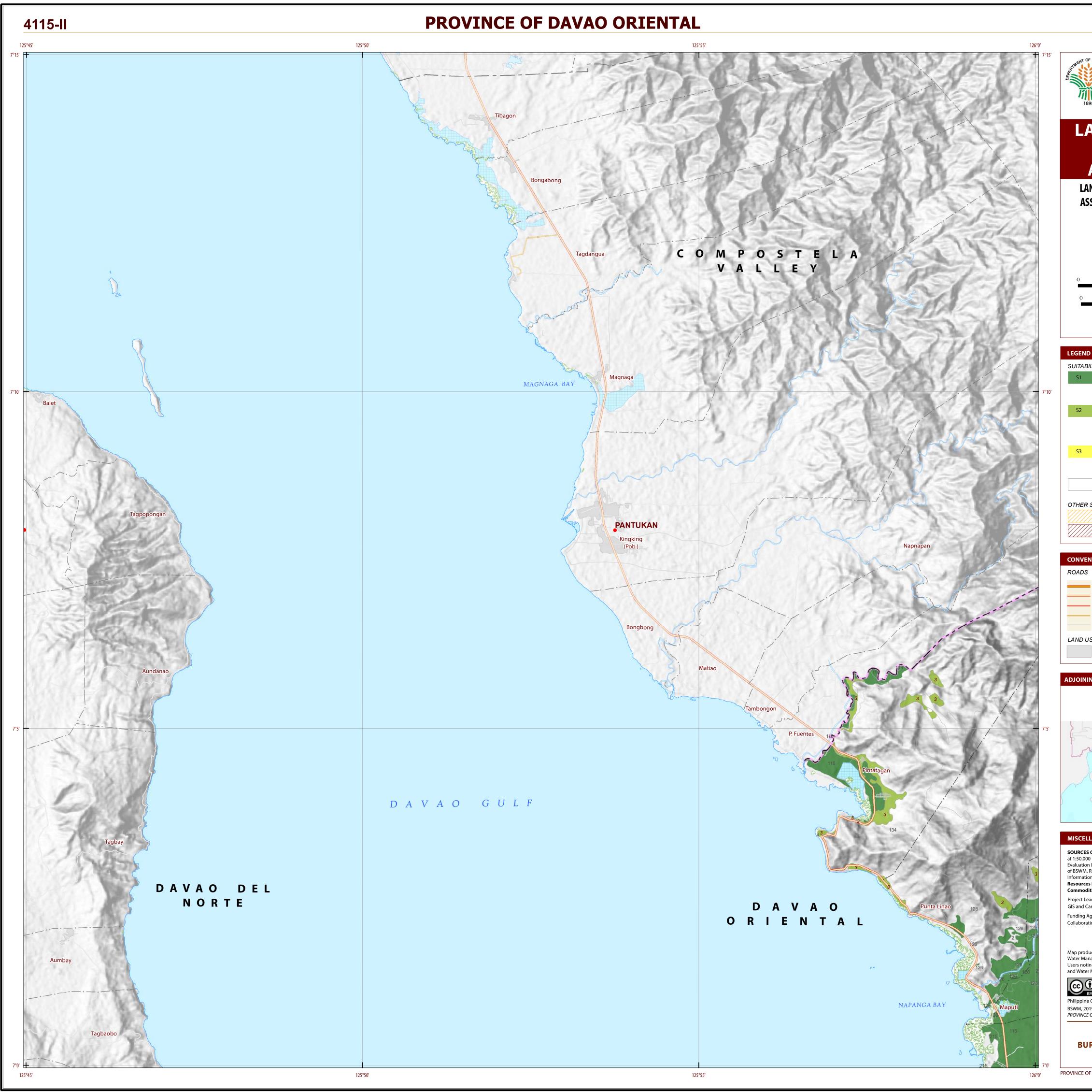


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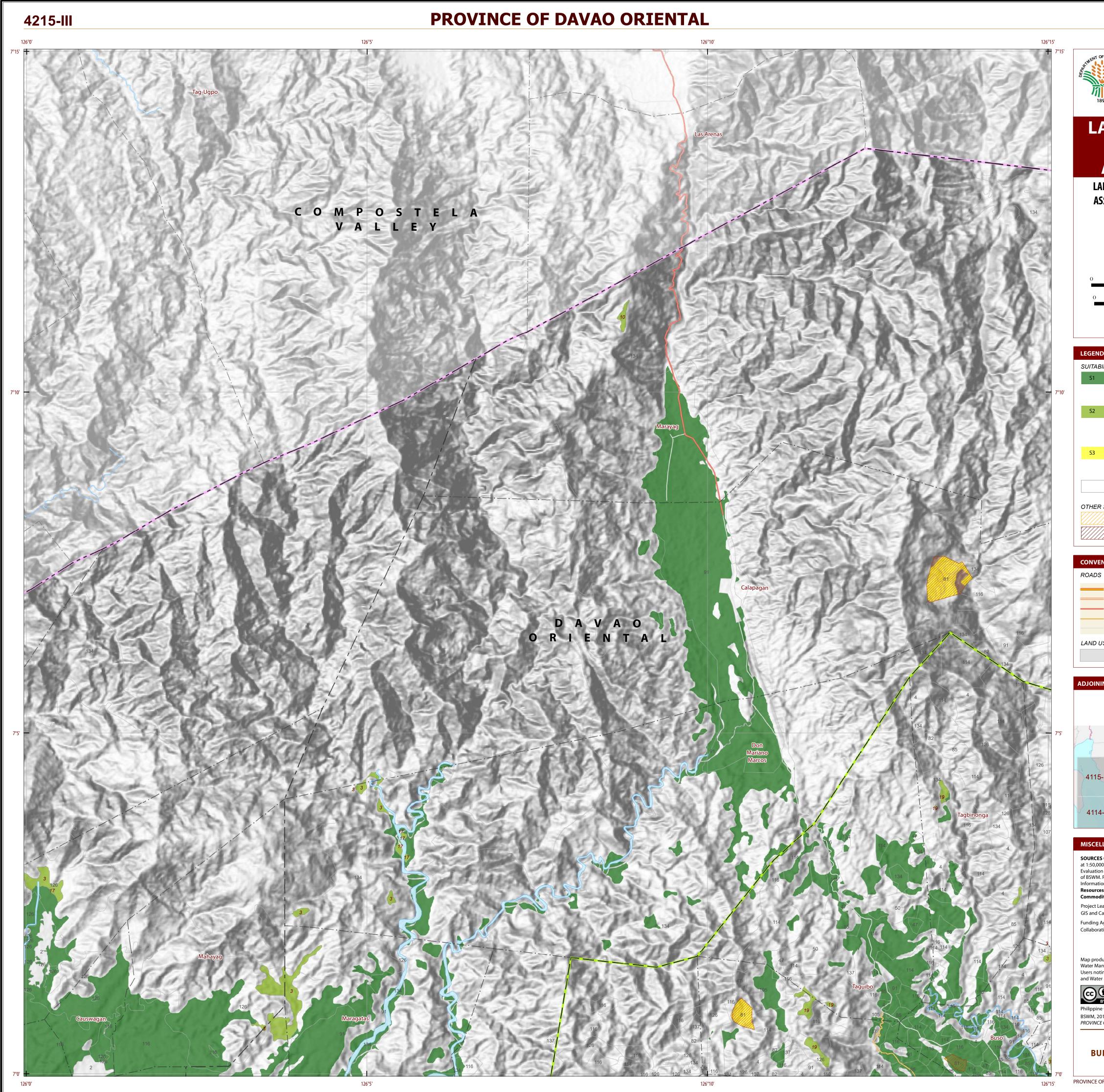


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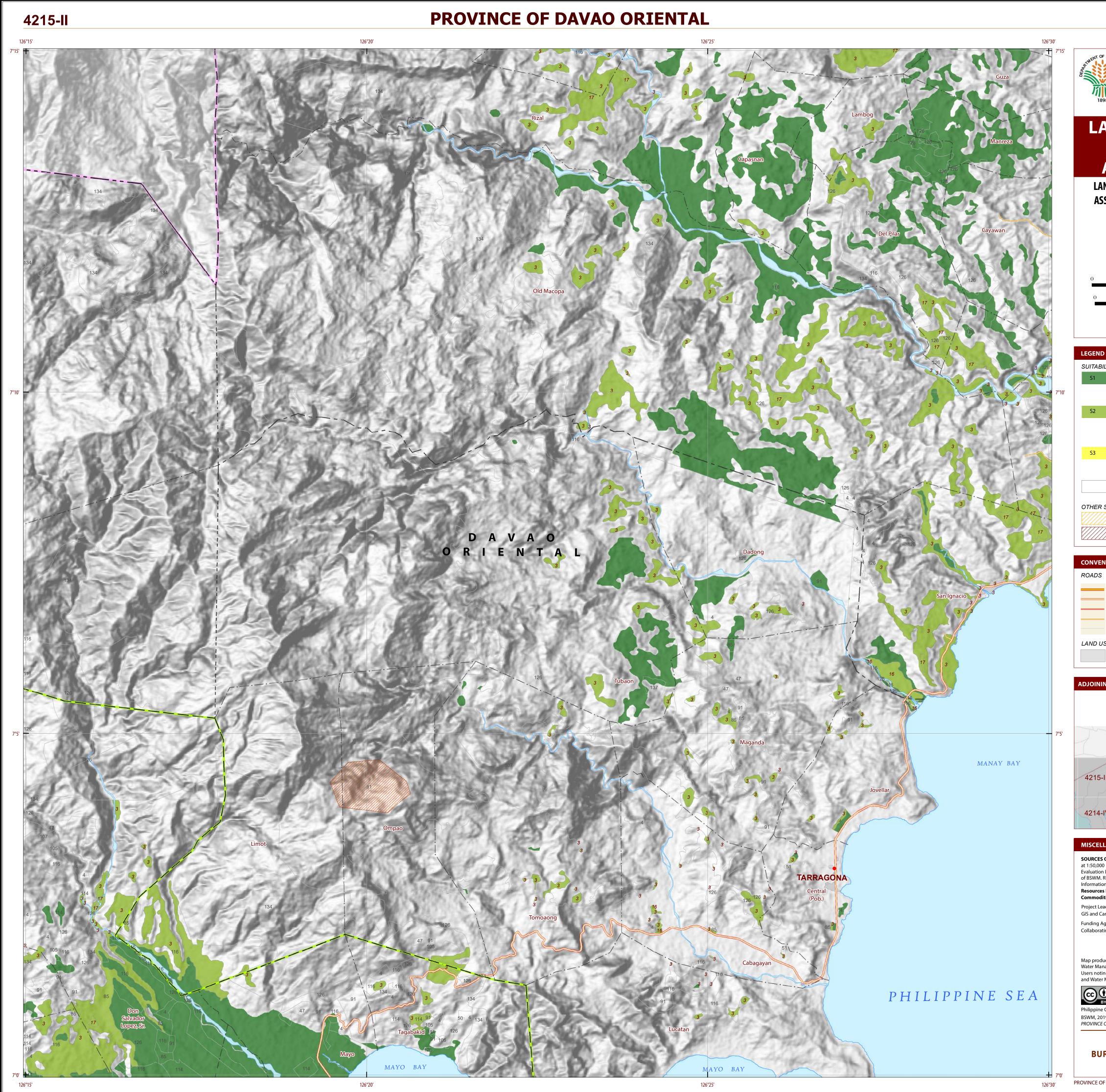
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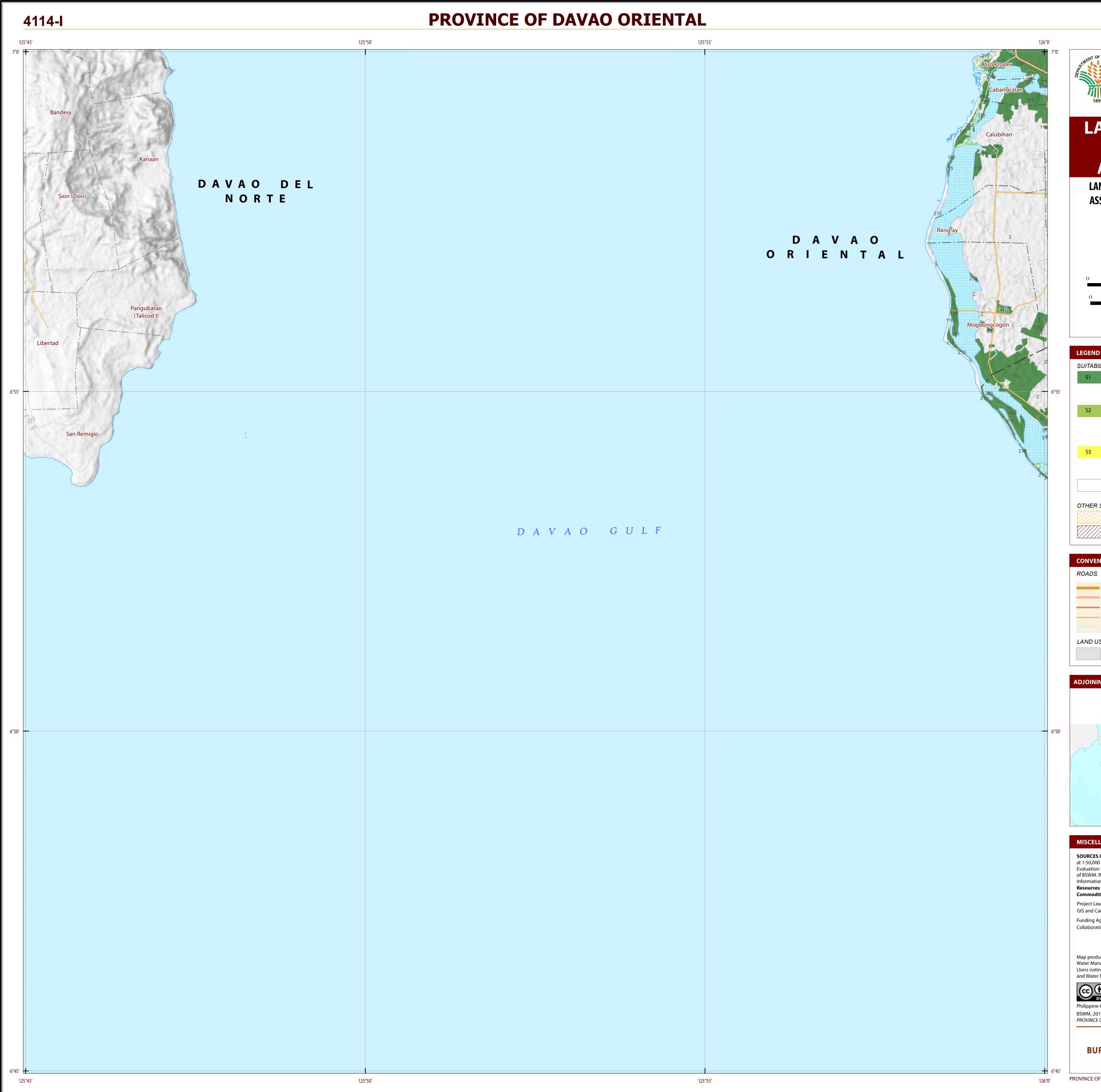


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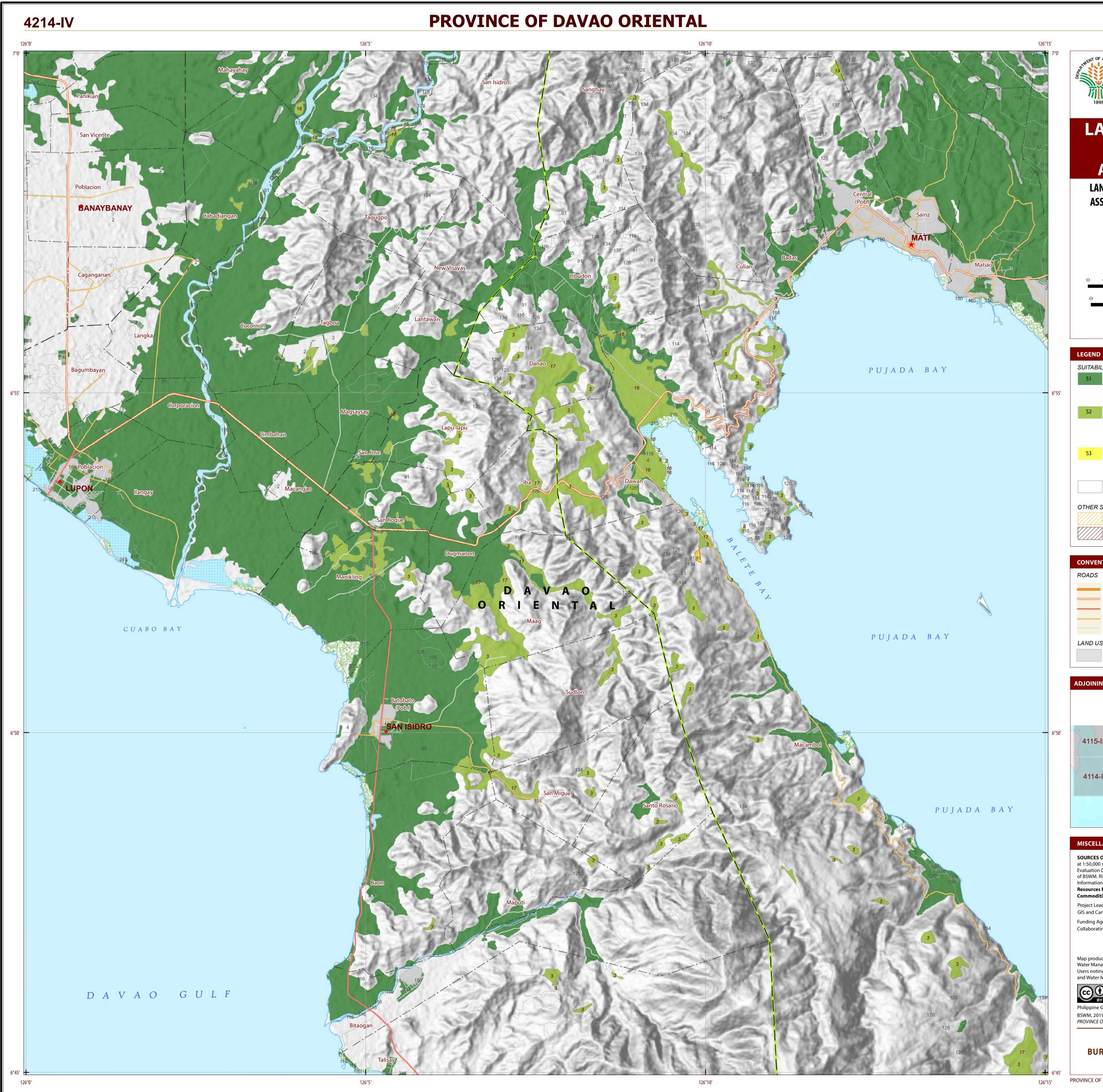


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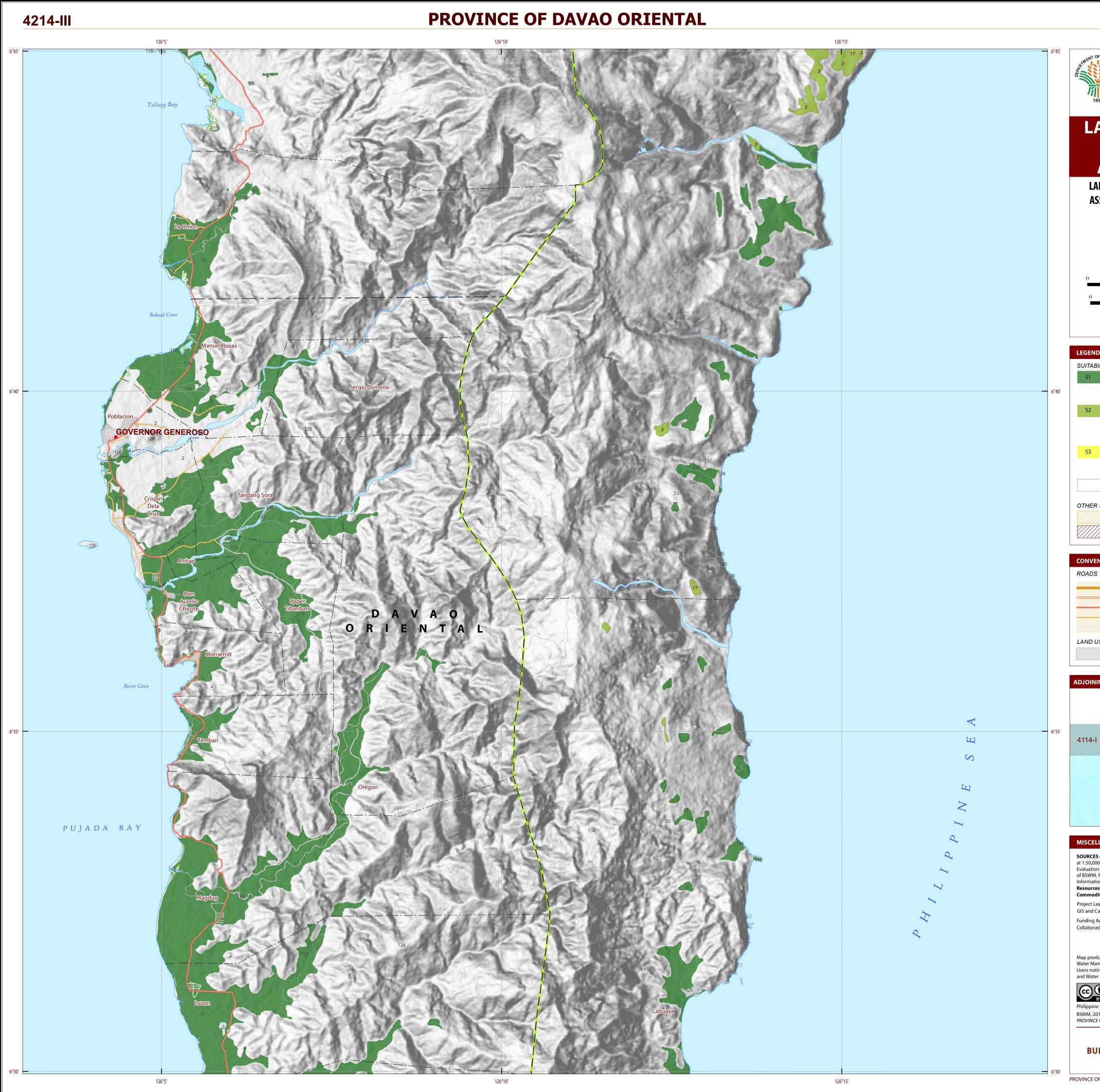


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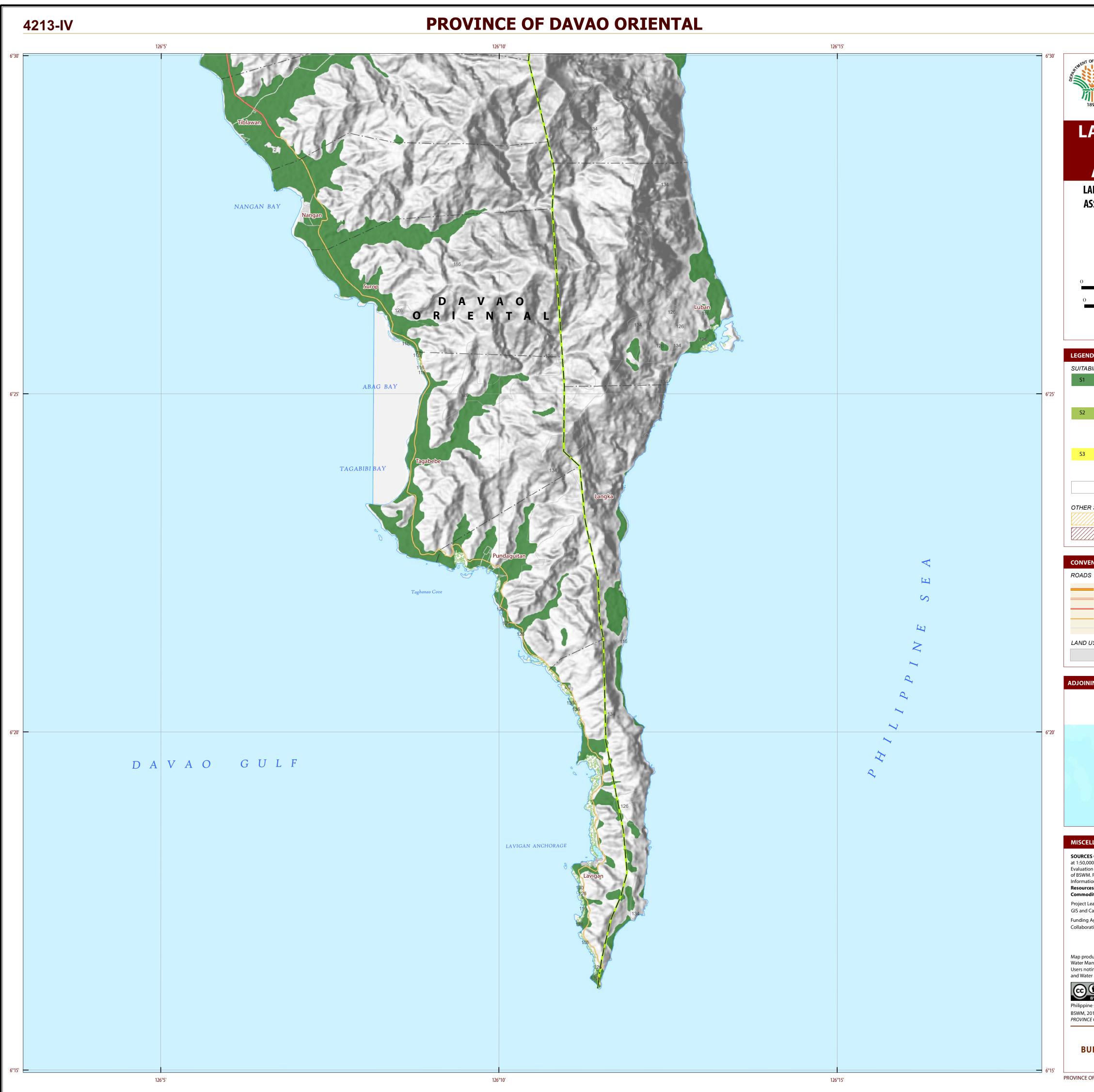


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