

PROVINCE OF NUEVA VIZCAYA

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

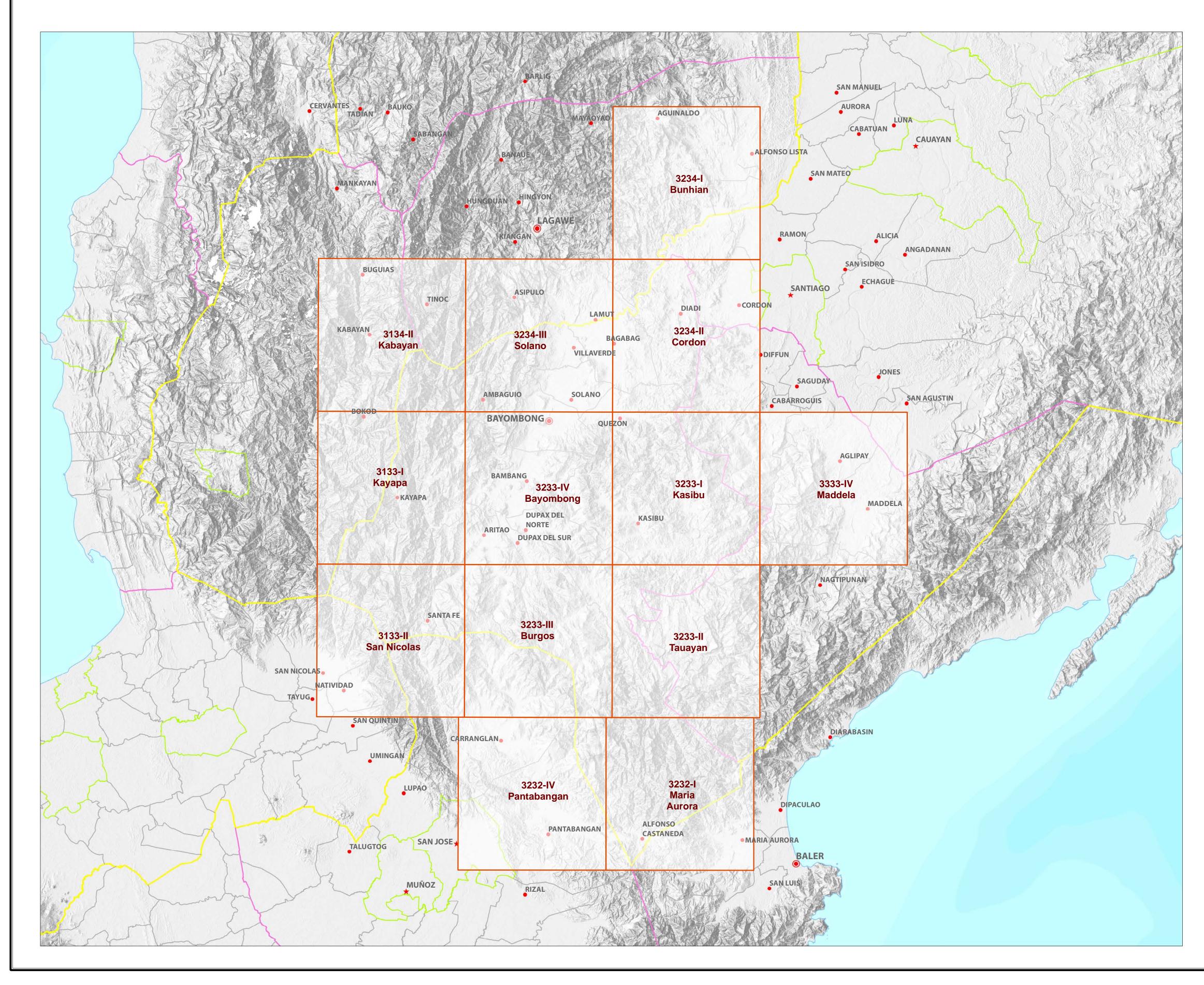
LAND SUITABILITY MAP

CACAO



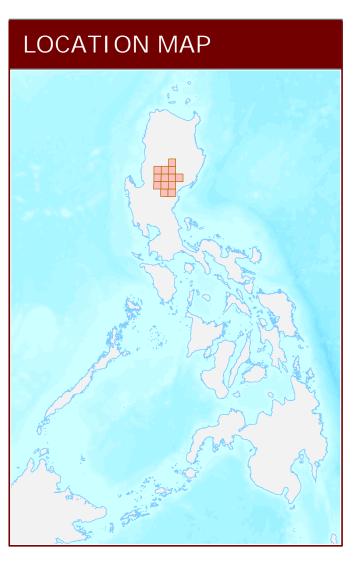
REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE **BUREAU OF SOILS AND WATER MANAGEMENT** SRDC Bldg., Elliptical Road Cor. Visayas Avenue, Diliman, Quezon City 1101 Tel/Fax No.: (+632) 332-9534 E-mail: bswmclientcenter@yahoo.com

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS PROVINCE OF NUEVA VIZCAYA



MAP INDEX

LEGE	ND
Place	S
۲	Capital City
*	City
۲	Capital Town
•	Town
Admi	nistrative Boundary
	Regional
	Provincial
	City
	Municipal
Map I	ndex
	Index grid
Τορο	graphic Relief
Bathy	vmetry
No	



LAND SUITABILITY MAP FOR CACAO

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS **NUEVA VIZCAYA, REGION II**

EXTENT OF SUITABILITY FOR CACAO PRODUCTION BY MUNICIPALITY

						EX	PANSION	AREA (H	la)			CONF	LICT RESO	OLUTION	(Ha)		TOTAL
MUNICIPALITY	EXISTI	NG CACA	0 (Ha)	TOTAL EXISTING AREA (Ha)	Coco	onut	Shrub unman	•	Grass unman		Co	rn	Rice pa non-irr	-	Other	crops	POTENTIAL EXPANSION AREA (Ha)
	S1	S2	S 3		S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	АКЕА (Па)
ALFONSO CASTANEDA	-	-	-	-	-	-	27	-	577	4	205	-	169	-	-	-	980
AMBAGUIO	-	-	-	-	-	-	-	-	9	26	-	11	-	-	-	-	47
ARITAO	41	-	-	41	52	-	118	-	1,445	51	958	109	766	3	-	-	3,502
BAGABAG	-	-	-	-	158	-	3	-	3,120	16	2,870	-	1,620	-	-	-	7,788
BAMBANG	28	-	159	187	88	10	-	-	2,426	53	1,451	439	1,460	15	-	-	5,941
BAYOMBONG	-	-	-	-	42	45	-	-	1,084	743	1,081	271	995	3	-	-	4,266
DIADI	-	-	17	17	527	-	477	-	2,739	34	2,713	5	678	-	-	-	7,174
DUPAX DEL NORTE	-	-	-	-	121	-	-	-	879	2,355	473	684	332	-	-	-	4,845
DUPAX DEL SUR	-	7	142	149	-	-	-	-	1,076	1,787	202	1	166	-	-	-	3,232
KASIBU	-	-	-	-	-	96	8	112	84	341	73	1,305	11	-	-	-	2,030
КАҮАРА	-	-	-	-	8	8	-	-	123	19	84	7	3	2	-	-	253
QUEZON	-	-	-	-	-	-	-	-	2,970	27	855	-	364	-	-	-	4,216
SANTA FE	-	-	-	-	-	-	-	-	35	3	-	122	4	5	-	-	168
SOLANO	-	-	-	-	13	-	-	-	608	241	1,044	33	1,636	8	-	-	3,583
VILLAVERDE	-	-	-	-	16	13	-	15	324	545	966	214	1,234	18	-	-	3,345
TOTAL	69	7	317	393	1,026	172	633	127	17,500	6,246	12,975	3,201	9,437	53	-	-	51,370

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

AGRONOMIC REQUIREMENT OF CACAO PRODUCTION

LAND UTILIZATION TYPE	SUITABILITY RATING	SLOPE (%)	SOIL DEPT (cm)	H SOIL TEXTURE	SOIL DRAINAGE	SOIL REACTI (pH)	ION	INHERENT FERTILITY	FLOODING CLASS	EROS		ROCK OUTCROPS	ELEVATION (masl)	RAIN	NUAL NFALL 1m)	CLIMATIC TYPE
	S1	<8	>100	CL, SiCL, SCL, SC, SiC, C, HC	WD,MWD	5.6 -7.	7.2	high	none-slight	none-	slight	none-few	<1000	2001	-4500	I, III, IV
Cacao	S2	8 - 30	50 - 100	FSL, L, SiL	SPD,PD	5.1 - 5. 7.3 - 7.		medium	moderate	mode	erate	common	1000-1500	1000)-2000	I, II
	S3	>30	<50	S, LS, CSL, SL	VPD,ED	<5.0 - >	• 7.9	low	severe	sev	ere	many	>1500		000 500	
SLOPE (%)		'	SOIL DRAI	NAGE	'	SOIL REAC	CTION (pl	H)		SOIL TE	XTURE		•		- · · ·	
	el to gently sloping	5		- excessively drained			- extreme	-		Coarse			I	Fine		
	tly sloping to und			- well drained				rongly acid		S	- sand		S	SC	- sandy c	ay
8 - 18 - undi	ulating to rolling	-	MWD	- moderately well draine	d	5.1 - 5.5	- strongly	y acid		LS	- loam	y sand	S	SiC	- silty cla	y
18 - 30 - rolli	ing to moderately	steep	SPD	- somewhat poorly drain	ed	5.6 - 6.0	- medium	n acid		CSL	- coars	e sandy loam	C	2	- clay	
30 - 50 - stee	р		PD ·	- poorly drained		6.1 - 6.5	- slightly	acid		SL	- sandy	v loam	H	HC	- heavy c	lay
> 50 - very	y steep		VPD	 very poorly drained 		6.6 - 7.2	- neutral			Medium	1					
						7.3 - 7.8	- mildly a	alkaline		FSL	- fine s	andy loam				
SOIL DEPTH (cr	m)		SURFACE I	MPEDIMENT		7.9 - 8.4	- modera	tely alkaline		L	- loam					
0 - 30 - very	y shallow		ROCK OUT (ROPS		> 8.5	- strongly	y alkaline		SiL	- silt lo	am				
30 - 50 - shall	low		< 10%	- none - few						CL	- clay l	oam				
50 - 100 - mod	lerately deep		10 - 30%	- common						SiCL	- silty	clay loam				
>100 - deep	p to very deep		> 30%	- many						SCL	- sandy	⁷ clay loam				
LAND LIM	IITATION	S DESCRIP	TION AN soil dra	ND COMBINAT INAGE	IONS		SOIL	DEPTH			S	DIL EROSION				
El2 - 1000m - 2	1500m		D2 - So	mewhat poorly drained t	o poorly drained	ł	Sh2	- Moderately d	leep (50 - 100c	m)	E	2 - Moderate	erosion			
El3 ->1500m	L		D3 - Ve	ry poorly drained or exc	essively drained		Sh3	- Very shallow	to shallow (<	50cm)	E	- Severe ero	osion			
SLOPE/TOPOGE	RAPHY		SOIL TEX	ΓURE			ROCK	KOUTCROPS			F	LOODING				
T2 - Undulatin	ng to moderately	steep	Tc - Co	arse texture			Rc2	- Common			FZ	- Moderate	seasonal flooding	5		
T3 - Steep to v	very steep						Rc3	- Many			F	- Severe sea	asonal flooding			
CODE LAND I	LIMITATION	CODE LAND L	IMITATION	CODE LAND LIMITA	TION CODE	LAND LIM	MITATIO	N	CODE	LAND USI	E	Ī				
										••		+				

1 E2-Sh2-Rc2 **11** T2 21 T2-El3-E3 31 T3-El2-E3-Sh2-Rc3 2 Rice paddy, non-irrigated 2 El2 12 T2-E3 22 T2-El3-E3-Sh2-Rc3 32 T3-El2-E3-Sh3-Rc2 4 Corn 47 Vegetable 3 13 T2-E3-Rc2 23 T3 33 T3-El2-E3-Sh3-Rc3 El2-E2-Sh2-Rc3 El2-E3-Rc3 14 T2-E3-Sh2-Rc2 24 T3-E3 34 T3-El3-E3 81 Coffee 4 5 El2-E3-Sh2-Rc3 **15** T2-E3-Sh2-Rc3 25 T3-E3-Rc2 35 T3-El3-E3-Sh3-Rc3 82 Cacao 26 T3-E3-Rc3 El2-Sh2-Rc2 16 T2-El2 6 116 Coconut 27 T3-E3-Sh3-Rc2 7 El2-Sh2-Rc3 17 T2-El2-E3 126 Grassland 28 T3-E3-Sh3-Rc3 8 **18** T2-El2-E3-Rc3 134 Shrubland, unmanaged El3 9 El3-E3-Sh2-Rc3 **19** T2-El2-E3-Sh2-Rc2 **29** T3-El2 20 T2-El2-E3-Sh2-Rc3 30 T3-El2-E3 10 Sh2-Rc2

SUITABII	LITY	CLA	ASS	ES:



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.

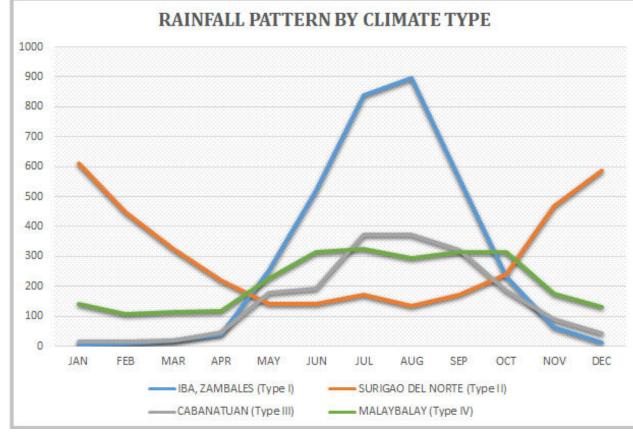
Moderately Suitable (S2)

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.

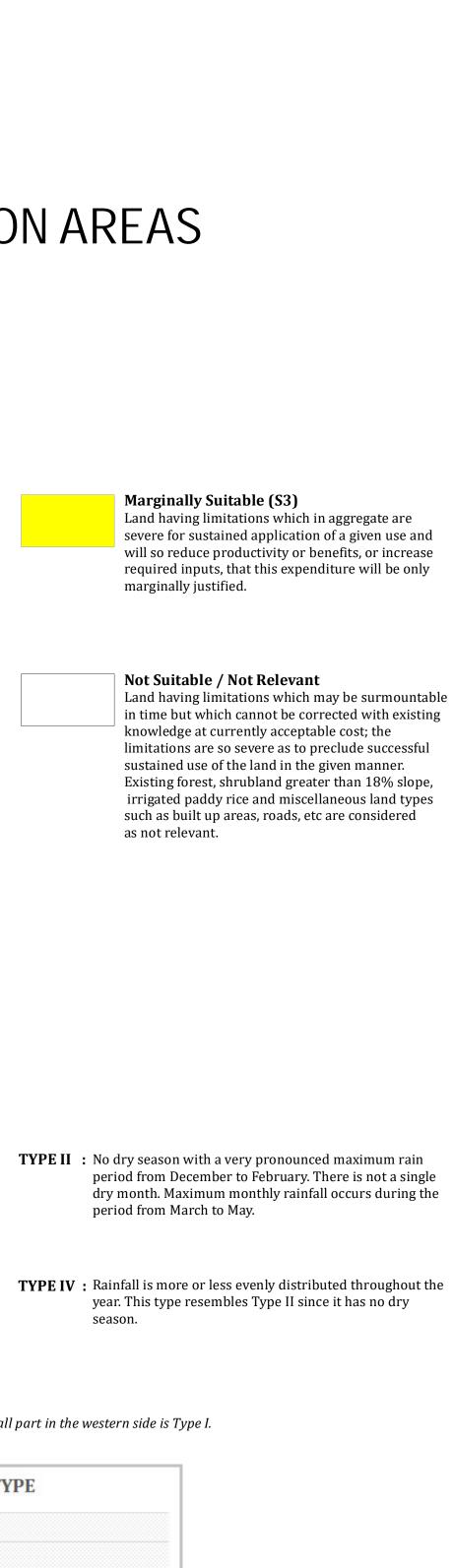
CLIMATE TYPE

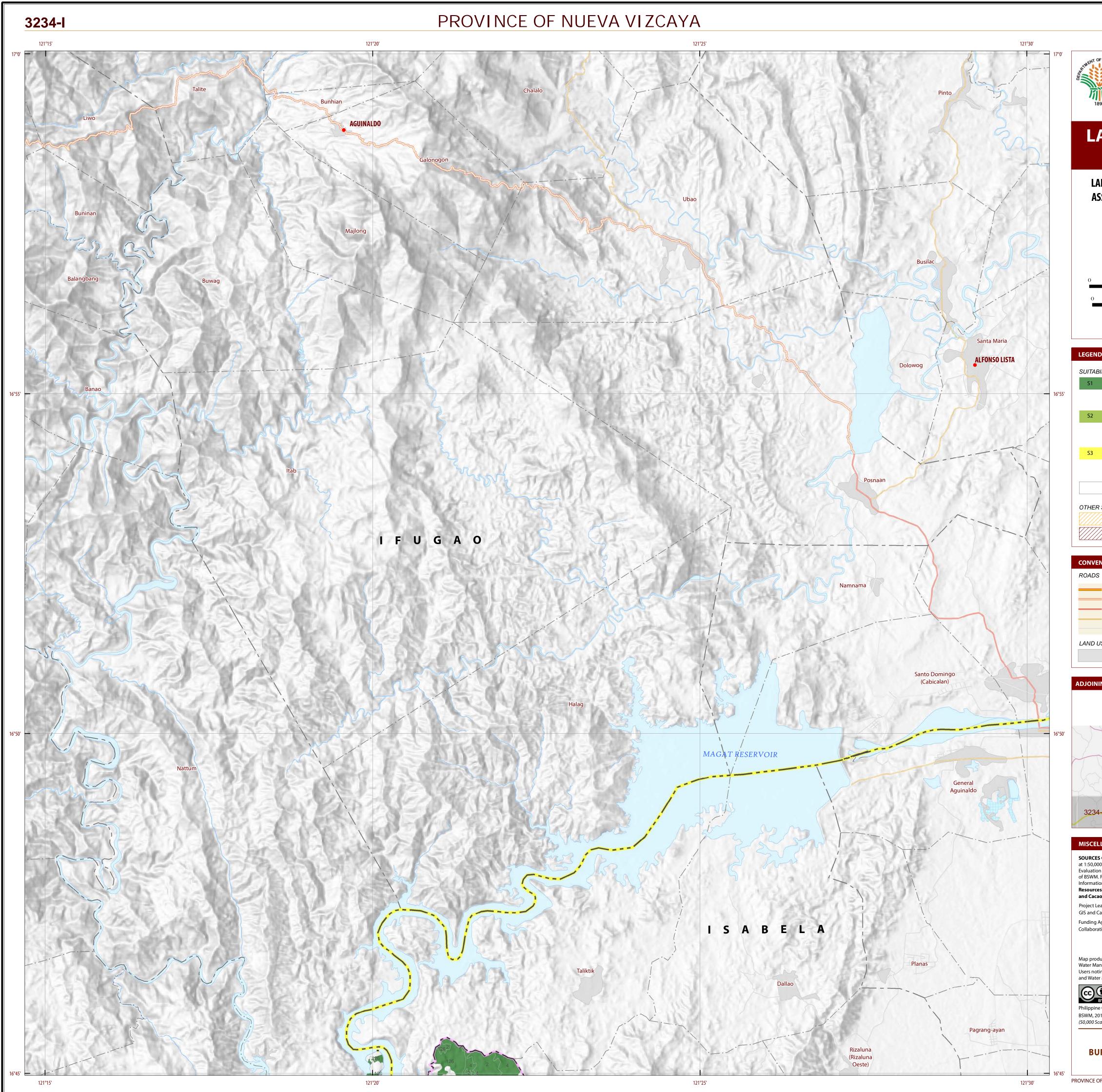
- **TYPE I** : Two pronouced season, dry from November to April and wet during the rest of the year. Maximum rain period is from June to September
- **TYPE III**: No very pronounced maximum rain period, with a dry season lasting only from one to three months, either during the period from December to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

Almost whole part of Nueva Vizcaya classified as climatic Type III and small part in the western side is Type I.

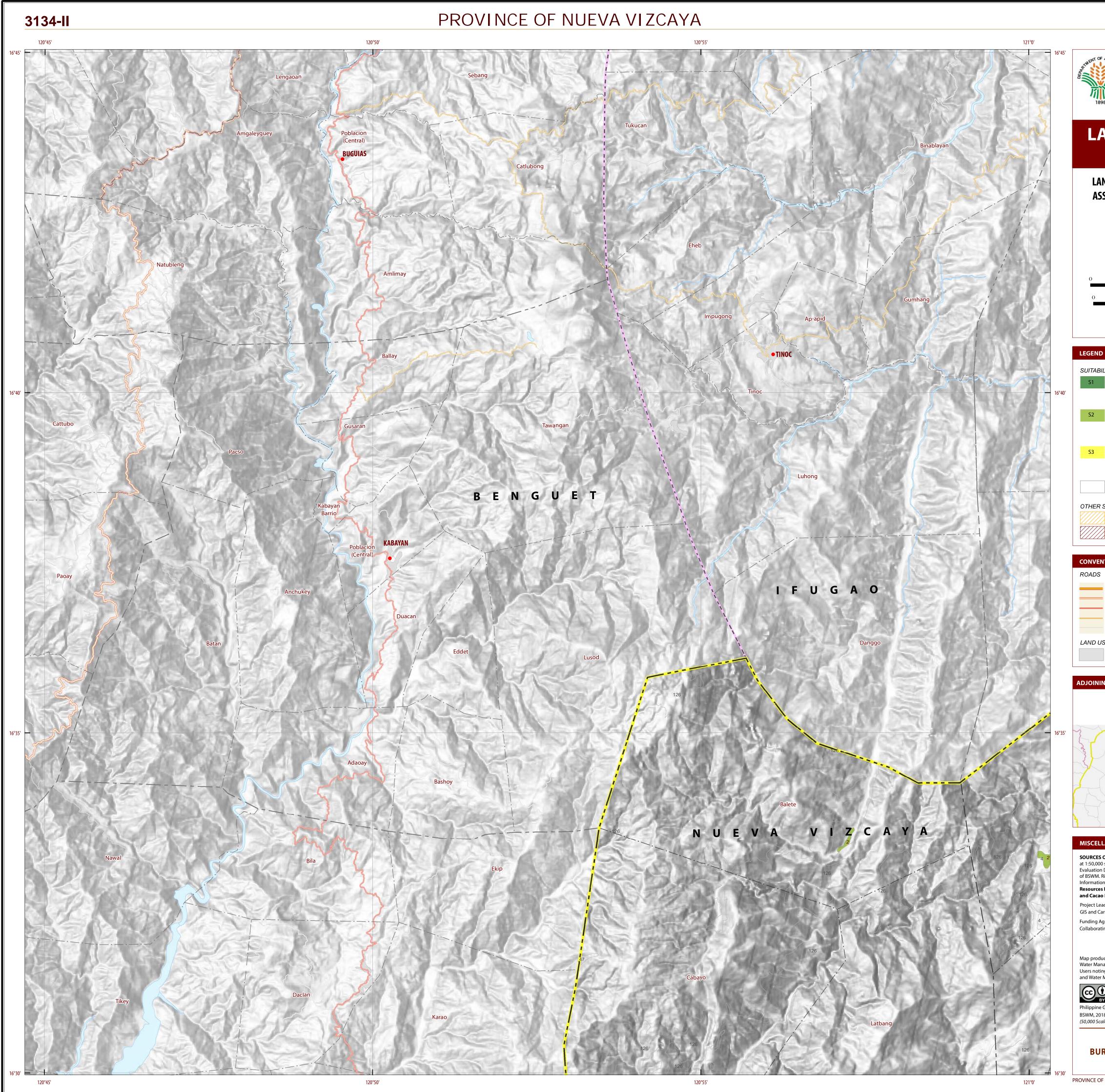


Source: PAGASA 2018, *Climatological Normals (Rainfall)*, Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA), accessed 27 July 2018, https://www1.pagasa.dost.gov.ph/index.php/climate/climatological-normals>

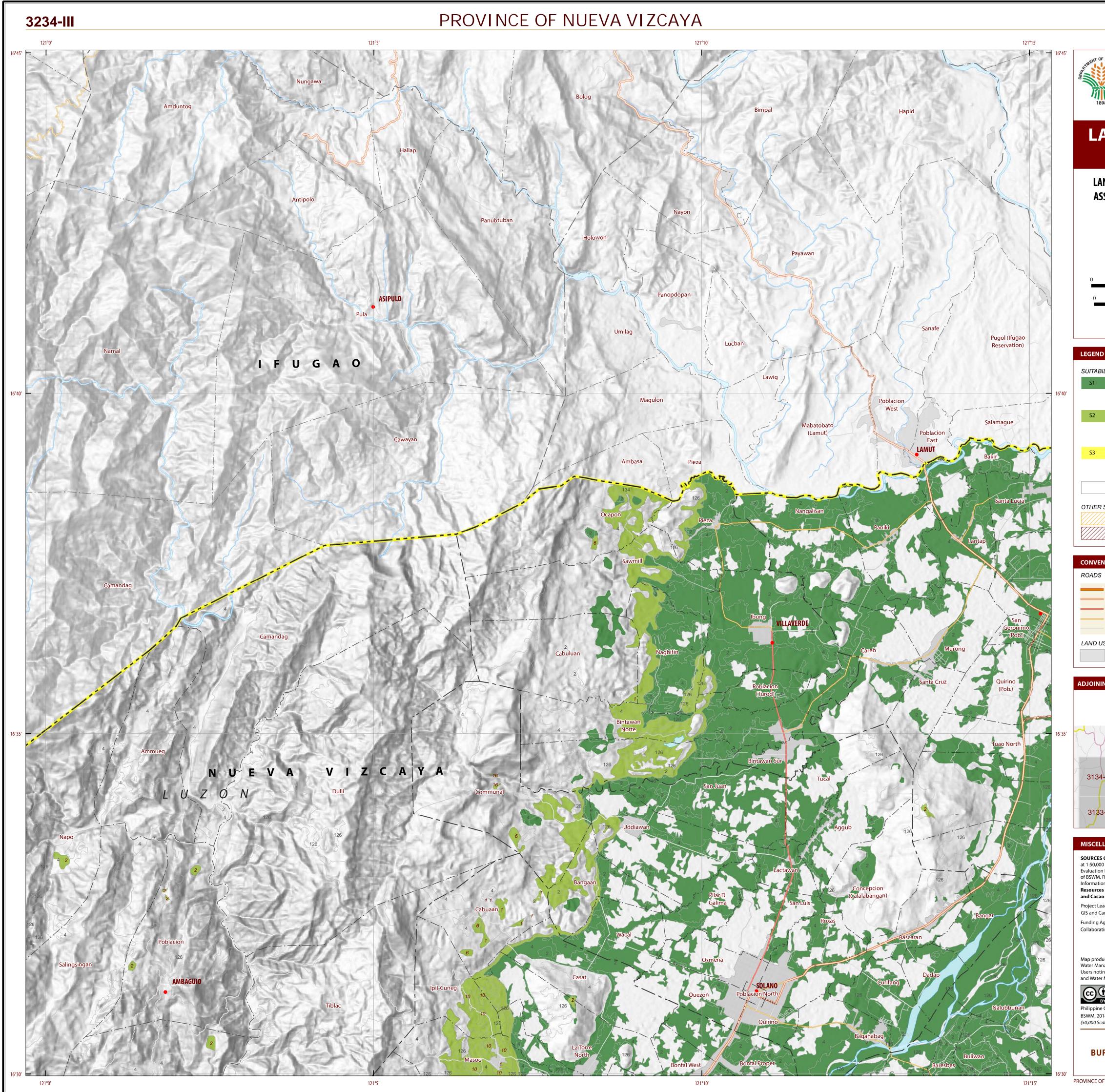




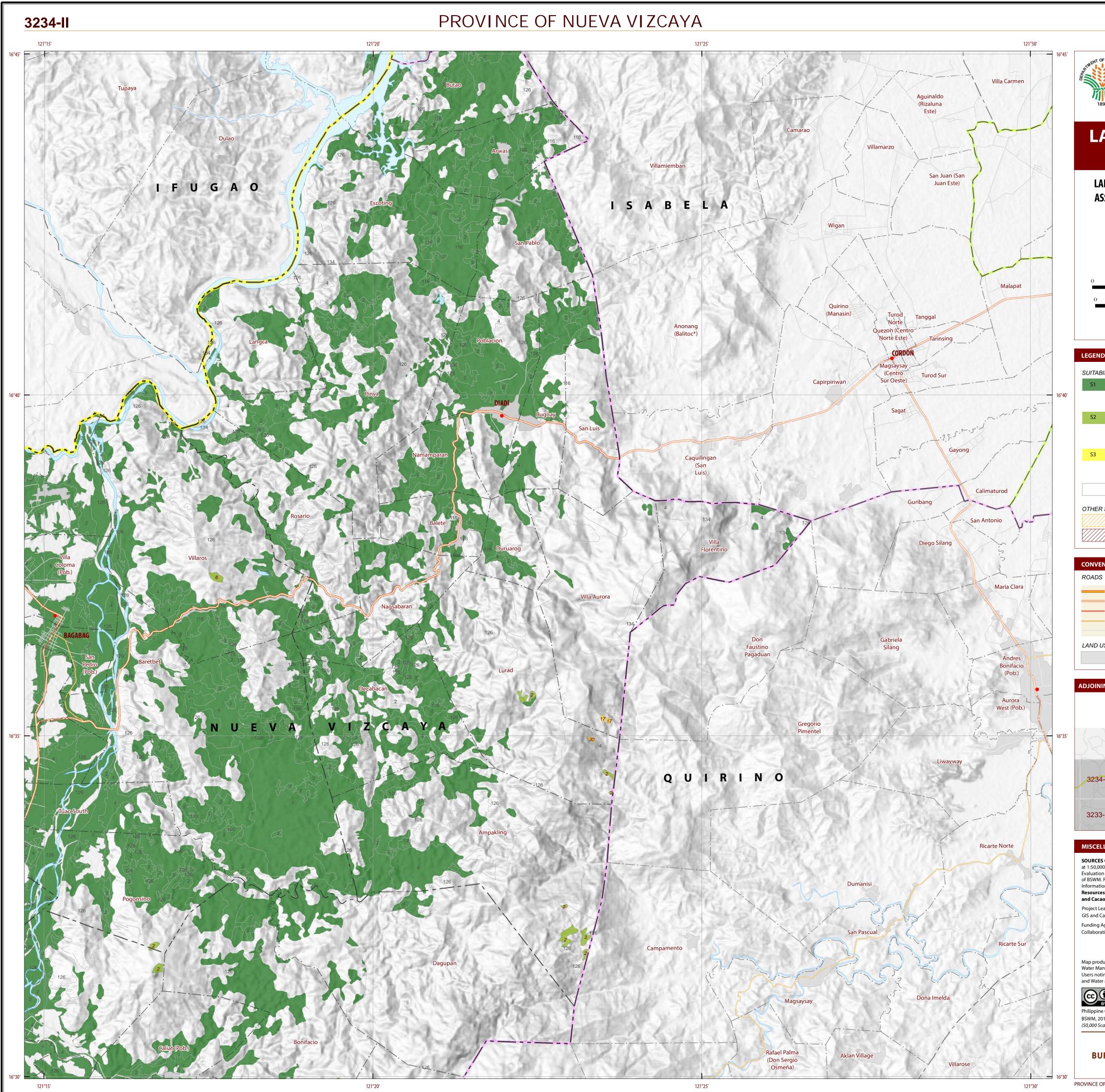
		Bunhian
F AGANOLITIE	BRIENT OF AGO, CLI, LI, LI, MARKEN, CLI, LI, LI, MARKEN, CLI, LI, LI, MARKEN, CLI, LI, LI, MARKEN, CLI, MARK	1898
AND S	UITABIL CACAO	ITY MAP
		AND SUITABILITY DUCTION AREAS
	W - E	
0.5 1	SCALE 1:50 00 2 3 Kilometers)0 4 5
	1 Miles Isverse Mercator Zone 51 N. All political boundaries are	
D		
 application of a g cantly reduce pro- an acceptable lev Moderately Suit moderately sever will reduce produ- extent that the o- attractive, will be Marginally Suita severe for sustain 	given use, or only minor lib oductivity or benefits and yel. Table - Land having limitative for sustained application uctivity or benefits and in verall advantage to be gate appreciably inferior to the able - Land having limitative ad application of a given or increase required inpu- ustified.	ant limitations to sustained imitations that will not signifi- d will not raise inputs above ations which in aggregate are on of a given use; the limitations acrease required inputs to the ained from the use, although still hat expected on class S1 land. tions which in aggregate are n use and will so reduce produc- uts, that this expenditure will be
SIGNS NGP Areas Cacao	Land limitation	on
NTIONAL SIGNS	OUNDARY	HYDROLOGY
Expressway Trunk line Primary Secondary Tertiary	 Region Province District Municipality Barangay 	Sea / Shoreline Lakes / Rivers PLACES Capital City / City Capital Town / Town
JSE Built-up	Fishpond	Mangrove
ING SHEETS 3234- 3234-I I-III 3234-II		INDEX MAP
0 scale. Land resources n Division (ALMED), Soi . Rice areas obtained fro on System (PRISM) (IRRI	opographic information take information from the Agricu Is Survey Division (SSD) and om the Land Use System (FAC I, 2015). Data analysis and co	ompilation through the Land
ader : BERNA Cartography : IRVIN Agency : Depa Iting Agencies : Philip IV-B, Local Auced by the Geomatics	d by BSWM (2017). ARDO B. PASCUA K. SAMALCA artment of Agriculture - Bure opine Council on Agriculture irtment of Agriculture Region VI, VII, VIII, IX, X, XI, XII and CA I Government Unit (LGU) of c	nal Field Office of CAR, Region II, IV-A,
r Management. BY NC SA	ublication is licensed under a ational License. Unless other ctual property rights, in this	ested to inform the Bureau of Soils a Creative Commons Attribution 4.0 rwise noted, copyright and any other publication is owned by the
018. Land Suitability Mag cale) . CC BY NC SA 4.0. R E P U B	blication should be attributed be Series for Cacao of the PROV LIC OF THE PHILIF	VINCE OF NUEVA VISCAYA
REAU OF SO SRDC Bldg., Elliptical F		MANAGEMENT nan, Quezon City 1101



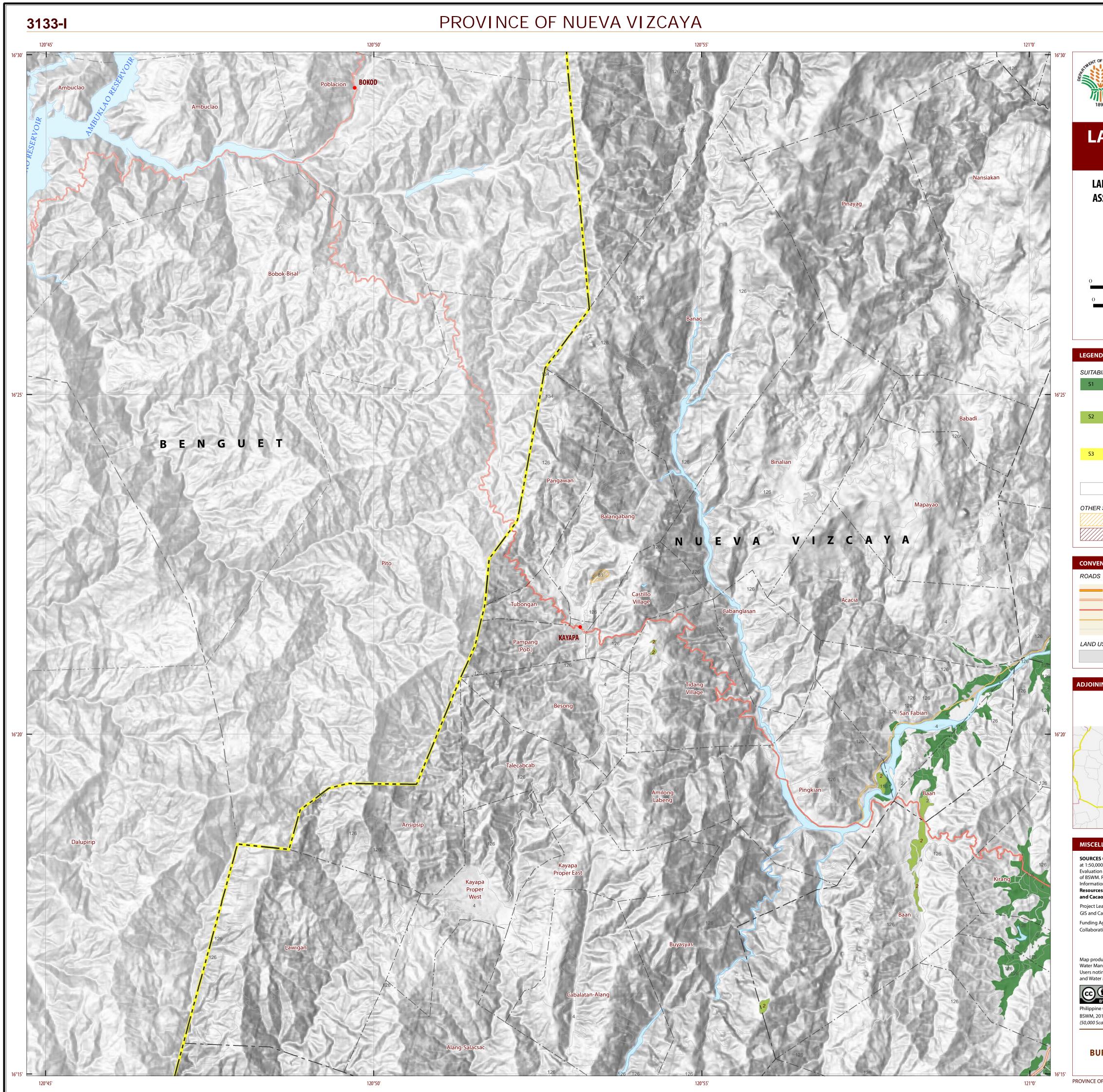
		ł	Kabayan
PAGA COLLING	RENT OF AGRICULT	TCULTURAL MED	1898
AND S	UITABI CACA		MAP
ND RESOURC			
	W - W	E	
:	SCALE 1:50	000	
0.5 1	2 Kilometers	3 	4 5 3
Universal Tran	Miles sverse Mercator Zone 5 All political boundaries	51 N. PRS 1992 D	atum
D			
 application of a g cantly reduce pro an acceptable lev Moderately Suit moderately sever will reduce produ extent that the or attractive, will be Marginally Suita severe for sustain 	able - Land having live for sustained appli activity or benefits an verall advantage to k appreciably inferior able - Land having live ad application of a go or increase required ustified.	nor limitations and will not ra- imitations which ication of a given d increase record of gained from to that expect mitations which given use and w	that will not signifi- aise inputs above ch in aggregate are en use; the limitations quired inputs to the the use, although still red on class S1 land.
SIGNS NGP Areas Cacao	Land lim Land use		
NTIONAL SIGNS			
Expressway Trunk line Primary Secondary Tertiary	OUNDARY Region Province District Municipali Barangay		Sea / Shoreline Lakes / Rivers
Built-up	Fishpond	Ma	ngrove
ING SHEETS 3134-I 3134-II 3133-I	3234-I 3234-III 3233-IV		DEX MAP
o Project implemented	ppographic information information from the A ls Survey Division (SSD) m the Land Use System , 2015). Data analysis an ability Assessment of d by BSWM (2017).	Agricultural Land and Laboratory n (FAO, 2015) and nd compilation t	Management and Services Division (LSD) Philippine Rice
Agency : IRVIN Agency : Depa iting Agencies : Philip : Depa IV-B, : Local Auced by the Geomatics nagement (BSWM). ing errors or omissions	opine Council on Agricu Irtment of Agriculture R VI, VII, VIII, IX, X, XI, XII an Government Unit (LGL and Soil Information Te	Ilture and Fisheri Regional Field Of nd CARAGA(XIII) J) of covered pro echnology Divisi	fice of CAR, Region II, IV-A, vinces and municipalities on, Bureau of Soils and
Intern	ational License. Unless ctual property rights, ir lication should be attri	otherwise noted n this publicatior buted as :	
DEPART REAU OF SO SRDC Bldg., Elliptical F	LIC OF THE PHI	ILIPPINES RICULTUR ER MANA , Diliman, Quezon	GEMENT City 1101



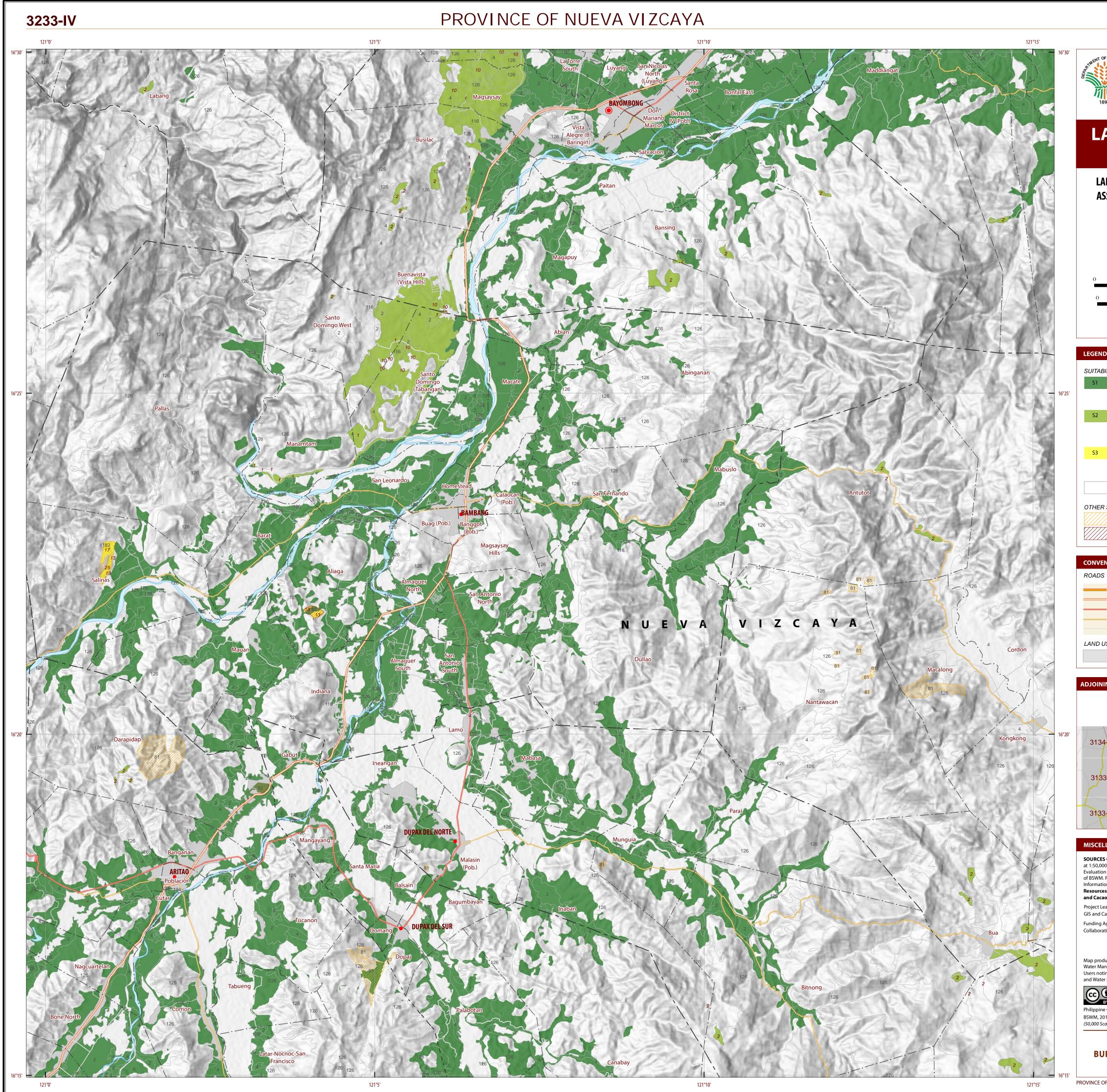
		Solano
AGRICULTURE	RENT OF AGR REAL PROPERTY OF A	1898
AND SU	ITABILII ACAO	ΓΥ ΜΑΡ
ND RESOURCES I SSESSMENT OF ST		
N	N - E S	
0.5 1	ALE 1:50 000 2 3 Kilometers	4 5
	2 Miles e Mercator Zone 51 N. PRS 1 litical boundaries are not a	
D		
 application of a given cantly reduce product an acceptable level. Moderately Suitable moderately severe for will reduce productivi extent that the overal attractive, will be approximately Suitable severe for sustained a 	- Land having limitation sustained application of ty or benefits and increa advantage to be gained reciably inferior to that e Land having limitations pplication of a given use crease required inputs, t ed.	itions that will not signifi- not raise inputs above s which in aggregate are f a given use; the limitations se required inputs to the f from the use, although still xpected on class S1 land.
SIGNS NGP Areas Cacao	Land limitation Land use	
NTIONAL SIGNS	DARY UVI	DROLOGY
Expressway Trunk line Primary Secondary Tertiary	Region Province	Sea / Shoreline Lakes / Rivers ACES Capital City / City Capital Town / Town
Built-up	Fishpond	angrove
4-II 3234-III	3234-1 3234-11 3233-1	
LANEOUS INFORMAT	ION	4 Q
S OF INFORMATION : Topogr 0 scale. Land resources inforr n Division (ALMED), Soils Sur Rice areas obtained from the on System (PRISM) (IRRI, 2015 Sevaluation and Suitability to Project implemented by B eader : BERNARDO Cartography : IRVIN K. SAN Agency : Departme ting Agencies : Philippine : Departme IV-B, VI, VII, : Local Gove Suced by the Geomatics and S nagement (BSWM).	raphic information taken fro mation from the Agricultura vey Division (SSD) and Labo e Land Use System (FAO, 201 5). Data analysis and compils y Assessment of Strategic SWM (2017). B. PASCUA MALCA nt of Agriculture - Bureau of Council on Agriculture and nt of Agriculture Regional Fi VIII, IX, X, XI, XII and CARAG ernment Unit (LGU) of cover Soil Information Technology	ratory Services Division (LSD) 15) and Philippine Rice ation through the Land Production Areas for Coffee Agricultural Research (DA-BAR) Fisheries (PCAF) eld Office of CAR, Region II, IV-A, A(XIII) ed provinces and municipalities v Division, Bureau of Soils and
ing errors or omissions in this r Management. This publica Internationa intellectual e Government. This publication 18. Land Suitability Map Serie	tion is licensed under a Crea al License. Unless otherwise property rights, in this publ on should be attributed as :	
cale) . CC BY NC SA 4.0.		
DEPARTME REAU OF SOILS SRDC Bldg., Elliptical Road C	OF THE PHILIPPII NT OF AGRICULI AND WATER M Cor. Visayas Avenue, Diliman, Q 534 E-mail : <i>bswmclientcenter</i>	TURE ANAGEMENT Quezon City 1101



			Cordon
F AGA CULLUP	A CRICE	E BCH	1898
AND S	UITABI CACA		(MAP
	ES EVALUATIO F STRATEGIC P		
	W - S	E	
0.5 1	SCALE 1:50 2 3 Kilometers		4 5
	Miles sverse Mercator Zone 5 All political boundaries		
D BILITY CLASSES			
 application of a g cantly reduce pro- an acceptable lev Moderately Suit moderately sever will reduce produ- extent that the o- attractive, will be Marginally Suita severe for sustain 	cable - Land having lir re for sustained applic uctivity or benefits an verall advantage to be appreciably inferior t able - Land having lim ned application of a gi or increase required i ustified.	or limitations and will not mitations wh cation of a giv d increase re e gained fron to that expect nitations which iven use and	s that will not signifi- raise inputs above ich in aggregate are ven use; the limitations quired inputs to the n the use, although still ted on class S1 land.
SIGNS NGP Areas Cacao	Land limit Land use	tation	
NTIONAL SIGNS	OUNDARY	HYDRO	LOGY
 Expressway Trunk line Primary Secondary Tertiary 	 Region Province District Municipality Barangay 	PLACES y 🗶 🖈 © •	Sea / Shoreline Lakes / Rivers Capital City / City Capital Town / Town
JSE Built-up	Fishpond	Ma	angrove
ING SHEETS 3234-1 -III 3234-II -IV 3233-1	3333-IV		NDEX MAP
LANEOUS INFOR			
0 scale. Land resources n Division (ALMED), Soi Rice areas obtained fro on System (PRISM) (IRRI s Evaluation and Suita o Project implemented artography : BERNA Agency : Depa ting Agencies : Philip : Depa IV-B, : Local luced by the Geomatics nagement (BSWM). ing errors or omissions r Management. This pi Intern artography San This pub	d by BSWM (2017). ARDO B. PASCUA K. SAMALCA artment of Agriculture - E opine Council on Agricul artment of Agriculture Re VI, VII, VIII, IX, X, XI, XII an I Government Unit (LGU) and Soil Information Tee in this publication are re	gricultural Land and Laboratory (FAO, 2015) an d compilation trategic Produ Bureau of Agric ture and Fishen egional Field O d CARAGA(XIII of covered pro- chnology Divis equested to infe- der a Creative (therwise note this publicatio uted as :	d Management and y Services Division (LSD) d Philippine Rice through the Land uction Areas for Coffee cultural Research (DA-BAR) ries (PCAF) ffice of CAR, Region II, IV-A,) ovinces and municipalities ion, Bureau of Soils and orm the Bureau of Soils Commons Attribution 4.0 d, copyright and any other n is owned by the
R E P U B DE PAR 1 REAU OF SO SRDC Bldg., Elliptical F Tel/Fax No. : (+632	LIC OF THE PHI MENT OF AGR ILS AND WATI Road Cor. Visayas Avenue, I) 332-9534 E-mail: bswmc	Diliman, Quezor	AGEMENT n City 1101 po.com
of Nueva Vizcaya		Sheet 4	of 13 Sheet No. 3234-II

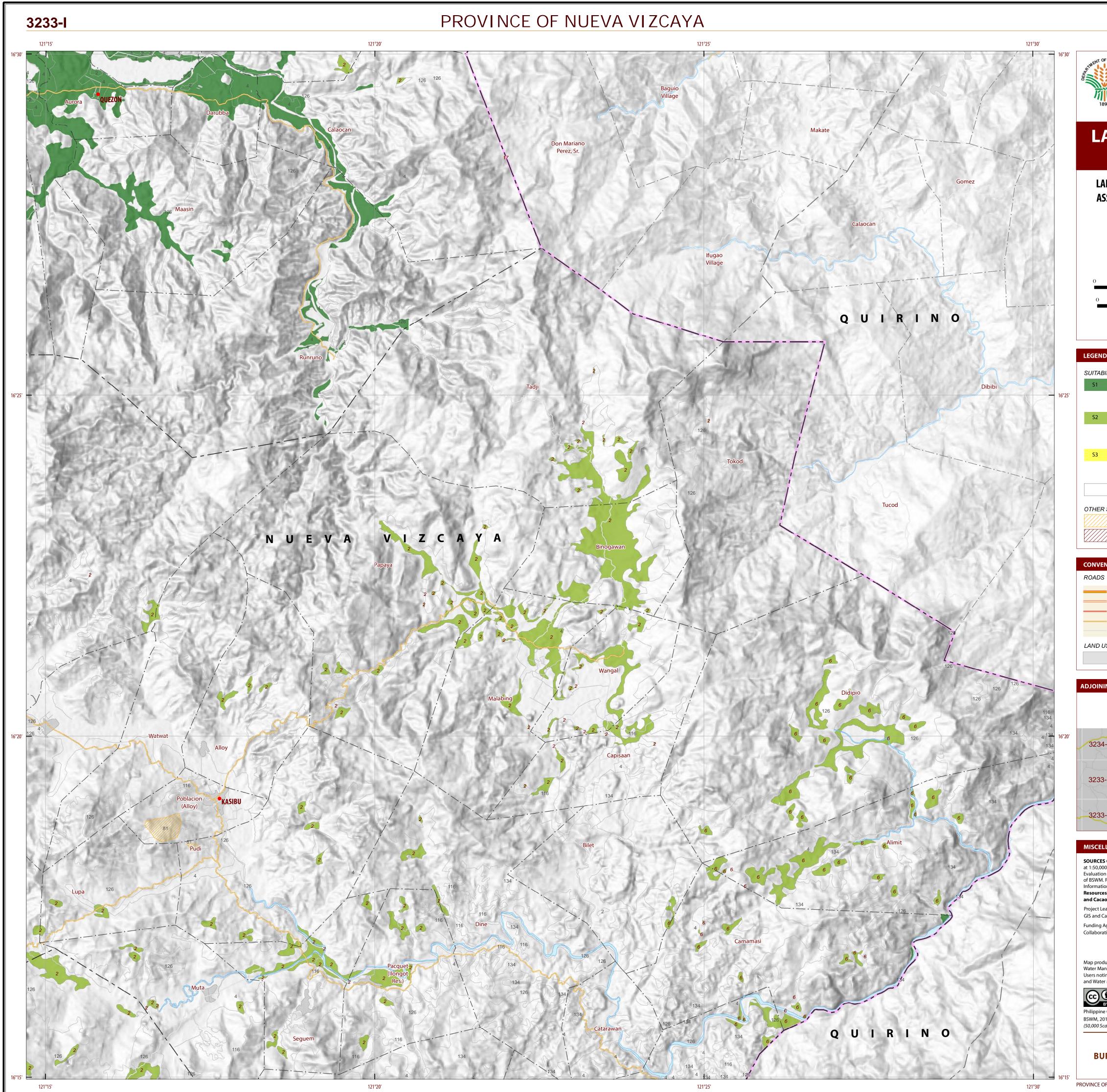


		K	ayapa
F AGRICULUR	But the NT OF AGRICULT	DEPARAMIN	1898
AND S	UITABI CACA(MAP
	ES EVALUATION F STRATEGIC PR		
	W - E	Ξ	
0.5 1	SCALE 1:50 (2 3 Kilometers)000 4	5
	1 Miles nsverse Mercator Zone 51 All political boundaries a		3
D			
application of a cantly reduce prana acceptable le Moderately Sui moderately seve will reduce prod extent that the cattractive, will be Marginally Suit severe for sustain	table - Land having limere for sustained application outrivity or benefits and overall advantage to be e appreciably inferior to able - Land having limit ned application of a giv , or increase required in justified.	or limitations that and will not raise in hitations which in ation of a given us lincrease required gained from the o that expected o itations which in a yen use and will so	will not signifi- nputs above aggregate are se; the limitations d inputs to the use, although still n class S1 land. aggregate are o reduce produc-
SIGNS NGP Areas Cacao	Land limita	ation	
NTIONAL SIGNS			
Expressway Trunk line Primary Secondary Tertiary	COUNDARY Region Province District Municipality Barangay	La PLACES T T Capi	r a / Shoreline kes / Rivers tal City / City tal Town / Town
Built-up	Fishpond	Mangro	ve
ING SHEETS 3133- 3134-II 3133-I	3234-III 3233-IV		C MAP
3133-IL	3233-III		for the second
LANEOUS INFOR	MATION	aken from NAMPIA	Eppographic Map
LANEOUS INFOR OF INFORMATION : T 0 scale. Land resources n Division (ALMED), So Rice areas obtained frr on System (PRISM) (IRF es Evaluation and Suit to Project implemente eader : BERN, Cartography : IRVIN Agency : Dep ting Agencies : Phili : Dep, IV-B, : Loca luced by the Geomatic nagement (BSWM). ing errors or omissions	MATION Fopographic information t is information from the Agr ils Survey Division (SSD) ar om the Land Use System (1 81, 2015). Data analysis and tability Assessment of St	ricultural Land Mana nd Laboratory Servi FAO, 2015) and Phili compilation throug rategic Production ureau of Agricultura ure and Fisheries (Po gional Field Office o I CARAGA(XIII) of covered province hnology Division, Bi	agement and ces Division (LSD) ppine Rice Jh the Land Areas for Coffee I Research (DA-BAR) CAF) f CAR, Region II, IV-A, s and municipalities ureau of Soils and
LANEOUS INFOR OF INFORMATION : T 0 scale. Land resources n Division (ALMED), So Rice areas obtained frr on System (PRISM) (IRF es Evaluation and Suit to Project implemente eader : BERN. Cartography : IRVIN Agency : Dep ting Agencies : Phili 2 Dep U-B, 3 Loca luced by the Geomatic nagement (BSWM). ing errors or omissions r Management. Dissection by NC SA This puncted action of the section action of the section action of the section of the section the section of the section action of the section of the section action of the section of the section of the section of the section action of the section of the sect	MATION Fopographic information to s information from the Agri ils Survey Division (SSD) an om the Land Use System (1 81, 2015). Data analysis and stability Assessment of Str d by BSWM (2017). ARDO B. PASCUA K. SAMALCA artment of Agriculture - Br ppine Council on Agricultur artment of Agriculture Reg. VI, VII, VIII, IX, X, XI, XII and al Government Unit (LGU) of s and Soil Information Tech s in this publication are reco- publication is licensed und hational License. Unless ot ectual property rights, in the blication should be attribu- p Series for Cacao of the PR	ricultural Land Mana nd Laboratory Servi FAO, 2015) and Phili compilation throug rategic Production ureau of Agricultura ure and Fisheries (PG gional Field Office o I CARAGA(XIII) of covered province hnology Division, Bu quested to inform th er a Creative Comm herwise noted, copy his publication is ov ited as :	agement and ces Division (LSD) ppine Rice gh the Land Areas for Coffee I Research (DA-BAR) CAF) f CAR, Region II, IV-A, s and municipalities ureau of Soils and e Bureau of Soils ons Attribution 4.0 yright and any other yned by the
LANEOUS INFOR OF INFORMATION : T 0 scale. Land resources n Division (ALMED), So Rice areas obtained frr on System (PRISM) (IRF es Evaluation and Suit to Project implemente eader : BERN Cartography : IRVIN Agency : Dep tring Agencies : Phili : Dep IV-B, : Loca duced by the Geomatic nagement (BSWM). ing errors or omissions r Management. This p Interrintelle e Government. This pull 18. Land Suitability Ma cale). CC BY NC SA 4.0. REPUI DEPAR CALLED SRDC Bldg, Elliptical	MATION Topographic information to information from the Agri ils Survey Division (SSD) and om the Land Use System (IR R, 2015). Data analysis and trability Assessment of Stri- d by BSWM (2017). ARDO B. PASCUA K. SAMALCA artment of Agriculture - Bri ppine Council on Agriculture artment of Agriculture Reg. VI, VII, VIII, IX, X, XI, XII and al Government Unit (LGU) of s and Soil Information Tecles in this publication are reconstructed the property rights, in the blication should be attribu	ricultural Land Mana nd Laboratory Servi FAO, 2015) and Phili compilation throug rategic Production ureau of Agricultura ure and Fisheries (Po gional Field Office o I CARAGA(XIII) of covered province hnology Division, Bu quested to inform the er a Creative Comm herwise noted, copy his publication is ov ited as : OVINCE OF NUEVA V IPPINES CULTURE R MANAGE iliman, Quezon City 1	agement and ces Division (LSD) ppine Rice gh the Land Areas for Coffee I Research (DA-BAR) CAF) f CAR, Region II, IV-A, s and municipalities ureau of Soils and e Bureau of Soils ons Attribution 4.0 yright and any other yned by the ISCAYA

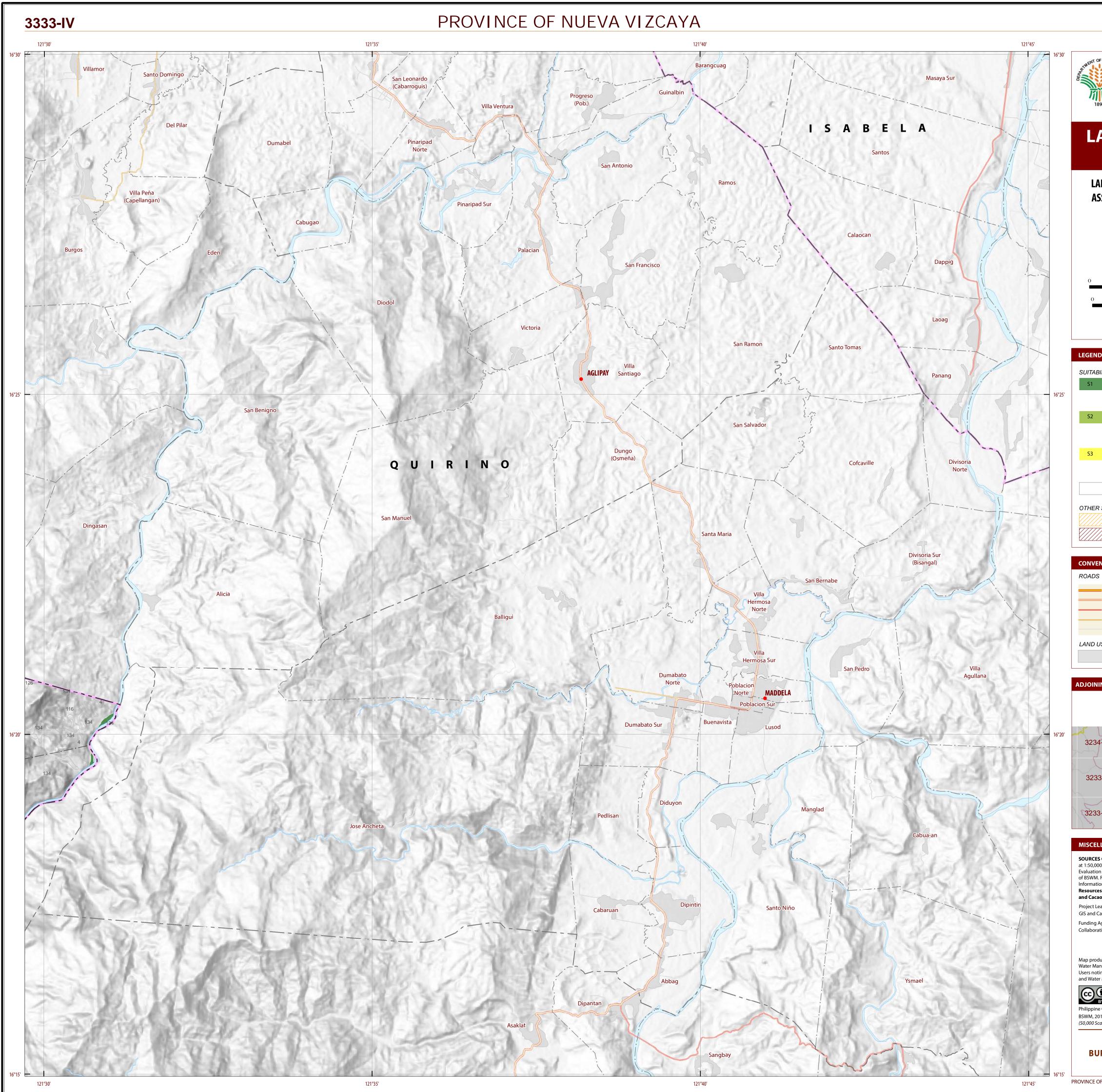


PROVINCE OF

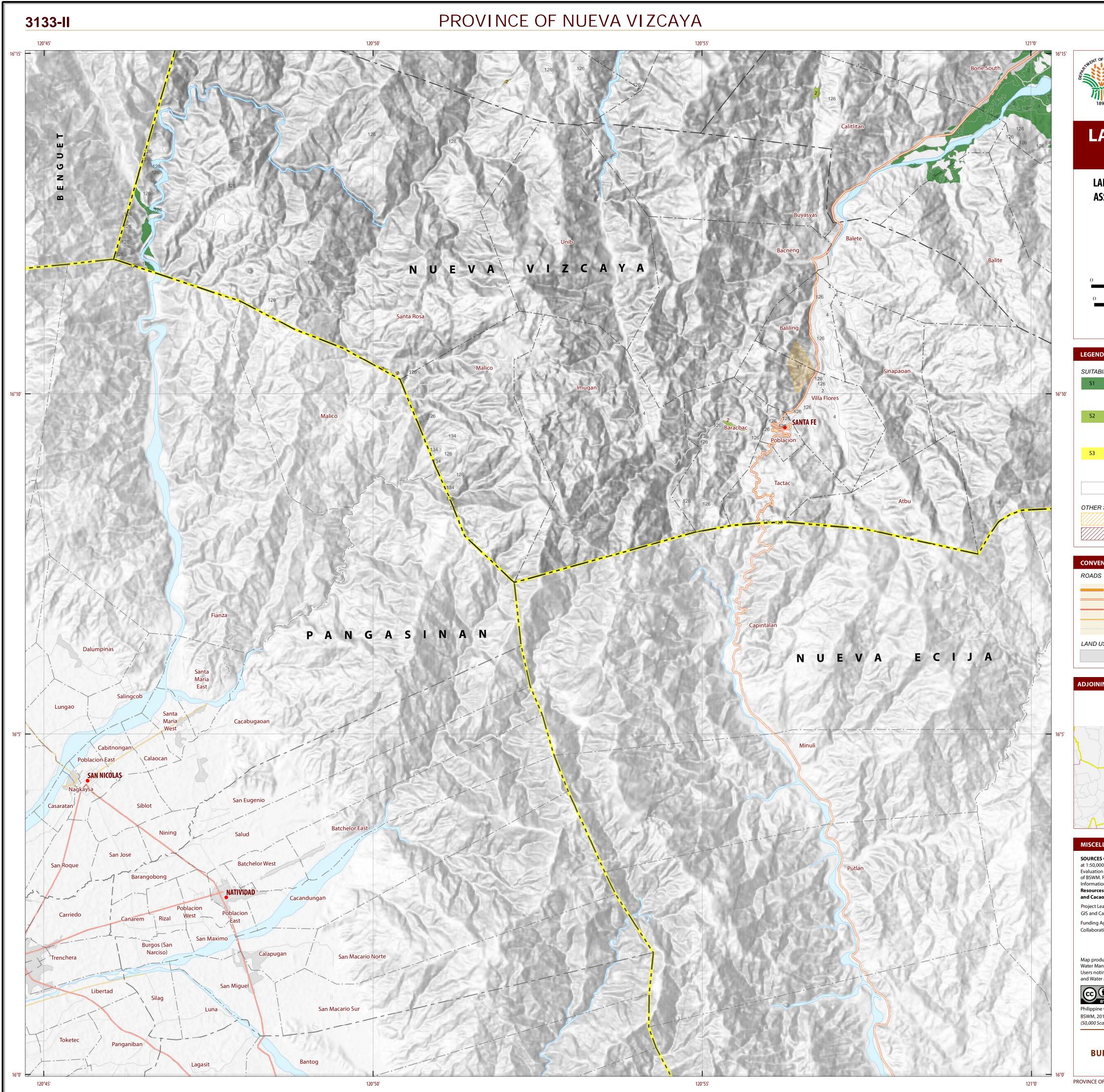
		Bay	ombon/	
F AGAIGUILIA	and the NT OF AGRICUT	GRICULTURAL RESID	I898	CUTURE
AND S	UITAB CACA		Y MAP	
ND RESOURC				
	w-	FE		
0.5 1	SCALE 1:50	3	4 5	
Universal Trar	Miles nsverse Mercator Zone All political boundarie	51 N. PRS 1992	Datum	
D				
 application of a g cantly reduce pro- an acceptable levent Moderately Suite moderately sevent will reduce produ- extent that the or attractive, will be Marginally Suite severe for sustain 	oductivity or benefitivel. table - Land having re for sustained app uctivity or benefits a verall advantage to appreciably inferio able - Land having I ned application of a , or increase require ustified.	inor limitatio ts and will no limitations w plication of a <u>c</u> and increase r be gained fro or to that expe limitations wh given use an	ns that will not signif	e ons e still d. uc-
SIGNS NGP Areas Cacao	1 116 Land lin Land us	nitation :e		
NTIONAL SIGNS B Expressway Trunk line Primary Secondary Tertiary USE	OUNDARY Region Province District Municipa Barangay	PLACE	OLOGY Sea / Shoreline Lakes / Rivers S Capital City / City Capital Town / Tow	'n
Built-up	Fishpond	<u>1939-192</u>	<i>f</i> langrove	
3233-	V			
1-II 3234-III 3-I 3233-IV 3-II 3233-III	3234-II 3233-I 3233-II	NR.		Li Surves
LANEOUS INFOR	MATION			
0 scale. Land resources n Division (ALMED), Soi Rice areas obtained fro on System (PRISM) (IRR es Evaluation and Suit to Project implemented eader : BERN/ Eartography : IRVIN Agency : Depa ting Agencies : Philip : Depa IV-B, : Loca luced by the Geomatice nagement (BSWM).	information from the ils Survey Division (SSE om the Land Use Syste I, 2015). Data analysis a ability Assessment of d by BSWM (2017). ARDO B. PASCUA K. SAMALCA artment of Agriculture opine Council on Agric artment of Agriculture VI, VII, VIII, IX, X, XI, XII I Government Unit (LG s and Soil Information	Agricultural La D) and Laborato m (FAO, 2015) a and compilatio f Strategic Pro - Bureau of Ag culture and Fish Regional Field and CARAGA(X iU) of covered p Technology Div	ry Services Division (LS and Philippine Rice in through the Land duction Areas for Coff ricultural Research (DA- eries (PCAF) Office of CAR, Region II,	D) ee BAR) IV-A, lities nd
r Management. DSO This p Intern	ublication is licensed u hational License. Unless ectual property rights, plication should be attr	under a Creative s otherwise not in this publicat ributed as :	e Commons Attribution ed, copyright and any c on is owned by the	4.0
DEPART REAU OF SO SRDC Bldg., Elliptical	BLIC OF THE PH FMENT OF AG ILS AND WA Road Cor. Visayas Avenu 2) 332-9534 E-mail: bsw	RICULTU TER MAN e, Diliman, Quez	R E IAGEMENT on City 1101	
DF NUEVA VIZCAYA		Sheet 6	<i>of 13</i> Sheet No. 32	33-IV



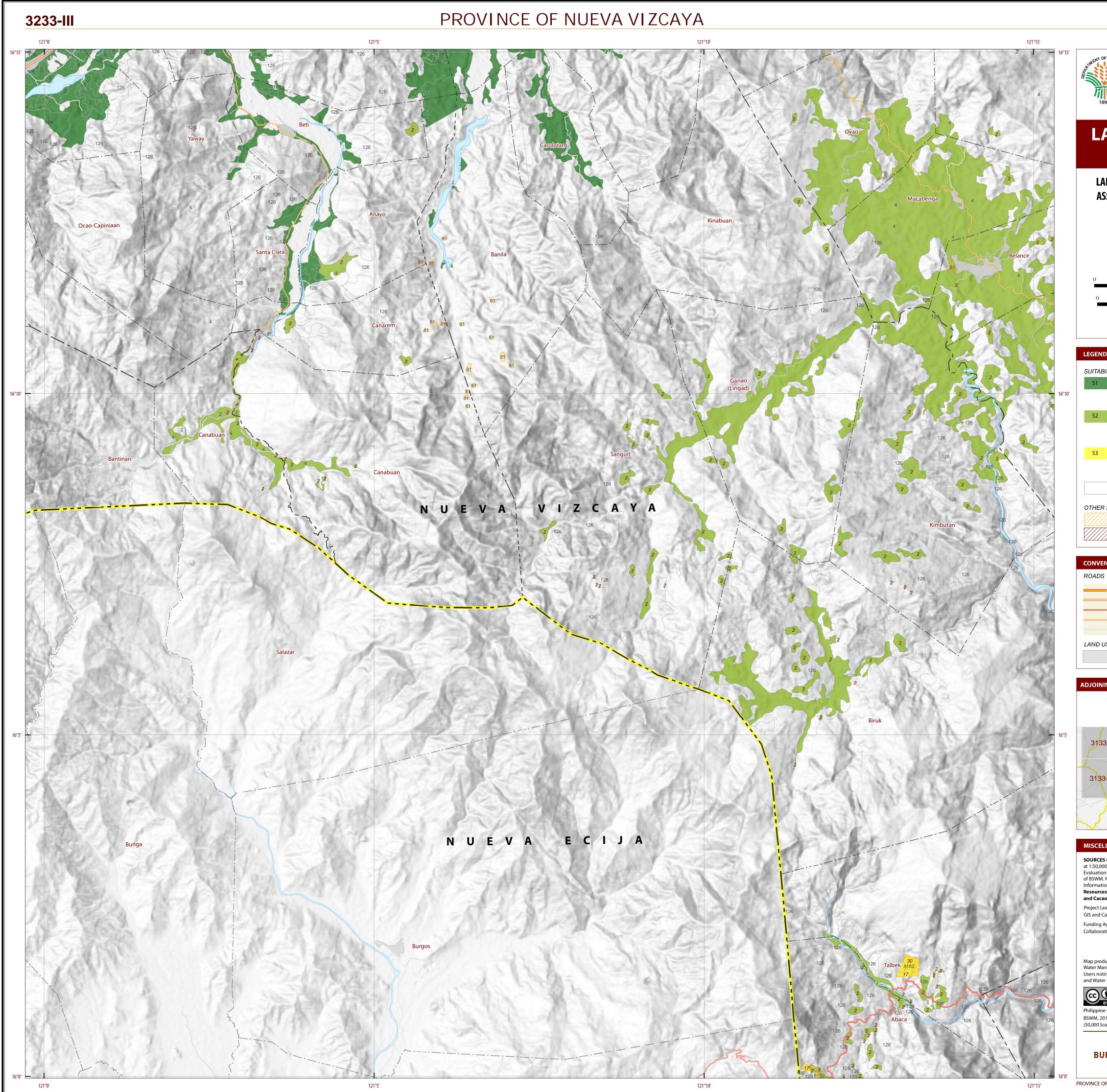
	Kasibu
98 COLLET REAL REAL PROVIDENT OF AGRICULTURAL MEDIO	1898
AND SUITABILITY CACAO	Y MAP
ND RESOURCES EVALUATION AND S SESSMENT OF STRATEGIC PRODUCT	
W-E S	
SCALE 1:50 000 0.5 1 2 3 Kilometers	4 5
0.5 1 2 Miles Universal Transverse Mercator Zone 51 N. PRS 1992 DISCLAIMER : All political boundaries are not autho	
 Highly Suitable - Land having no significant limit application of a given use, or only minor limitation cantly reduce productivity or benefits and will not an acceptable level. Moderately Suitable - Land having limitations will moderately severe for sustained application of a gwill reduce productivity or benefits and increase mextent that the overall advantage to be gained fro attractive, will be appreciably inferior to that experiment for sustained applications will severe for sustained applications will severe for sustained applications will be appreciably inferior to that experiment that the overall advantage to be gained fro attractive, will be appreciably inferior to that experiment for sustained application of a given use and tivity or benefits, or increase required inputs, that only marginally justified. Not Suitable/ Not Relevant 	ns that will not signifi- raise inputs above hich in aggregate are iven use; the limitations equired inputs to the m the use, although still cted on class S1 land. ich in aggregate are d will so reduce produc-
SIGNS NGP Areas Cacao Land limitation Land use	
NTIONAL SIGNS BOUNDARY HYDRO	
Expressway Trunk line Primary Secondary Tertiary Te	Sea / Shoreline Lakes / Rivers
೮೯-ಪಾಕರ್	langrove
3233-I -III 3234-II -IV 3233-I 3333-IV -III 3233-II	
	AMPIA Topographic Map
GOF INFORMATION : Topographic information taken from N 0 scale. Land resources information from the Agricultural Lar n Division (ALMED), Soils Survey Division (SSD) and Laborato Rice areas obtained from the Land Use System (FAO, 2015) a on System (PRISM) (IRRI, 2015). Data analysis and compilation se valuation and Suitability Assessment of Strategic Proce o Project implemented by BSWM (2017). eader : BERNARDO B. PASCUA fartography : IRVIN K. SAMALCA Agency : Department of Agriculture - Bureau of Agric : Department of Agriculture Regional Field G : IV-B, VI, VII, VIII, IX, X, XI, XII and CARAGA(XI) : Local Government Unit (LGU) of covered p uced by the Geomatics and Soil Information Technology Div	nd Management and ry Services Division (LSD) nd Philippine Rice n through the Land Juction Areas for Coffee icultural Research (DA-BAR) eries (PCAF) Office of CAR, Region II, IV-A, II) rovinces and municipalities
nagement (BSWM). ing errors or omissions in this publication are requested to in r Management. This publication is licensed under a Creative International License. Unless otherwise note intellectual property rights, in this publication e Government. This publication should be attributed as :	form the Bureau of Soils Commons Attribution 4.0 ed, copyright and any other on is owned by the
118. Land Suitability Map Series for Cacao of the PROVINCE OF N ale). CC BY NC SA 4.0. REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTUI REAU OF SOILS AND WATER MAN SPDC Bldg, Elliptical Pood Car Visavas Avanua Diliman Quar	RE
SRDC Bldg., Elliptical Road Cor. Visayas Avenue, Diliman, Quezo Tel/Fax No. : (+632) 332-9534 E-mail : <i>bswmclientcenter@yal</i> F NUEVA VIZCAYA Sheet 7	noo.com



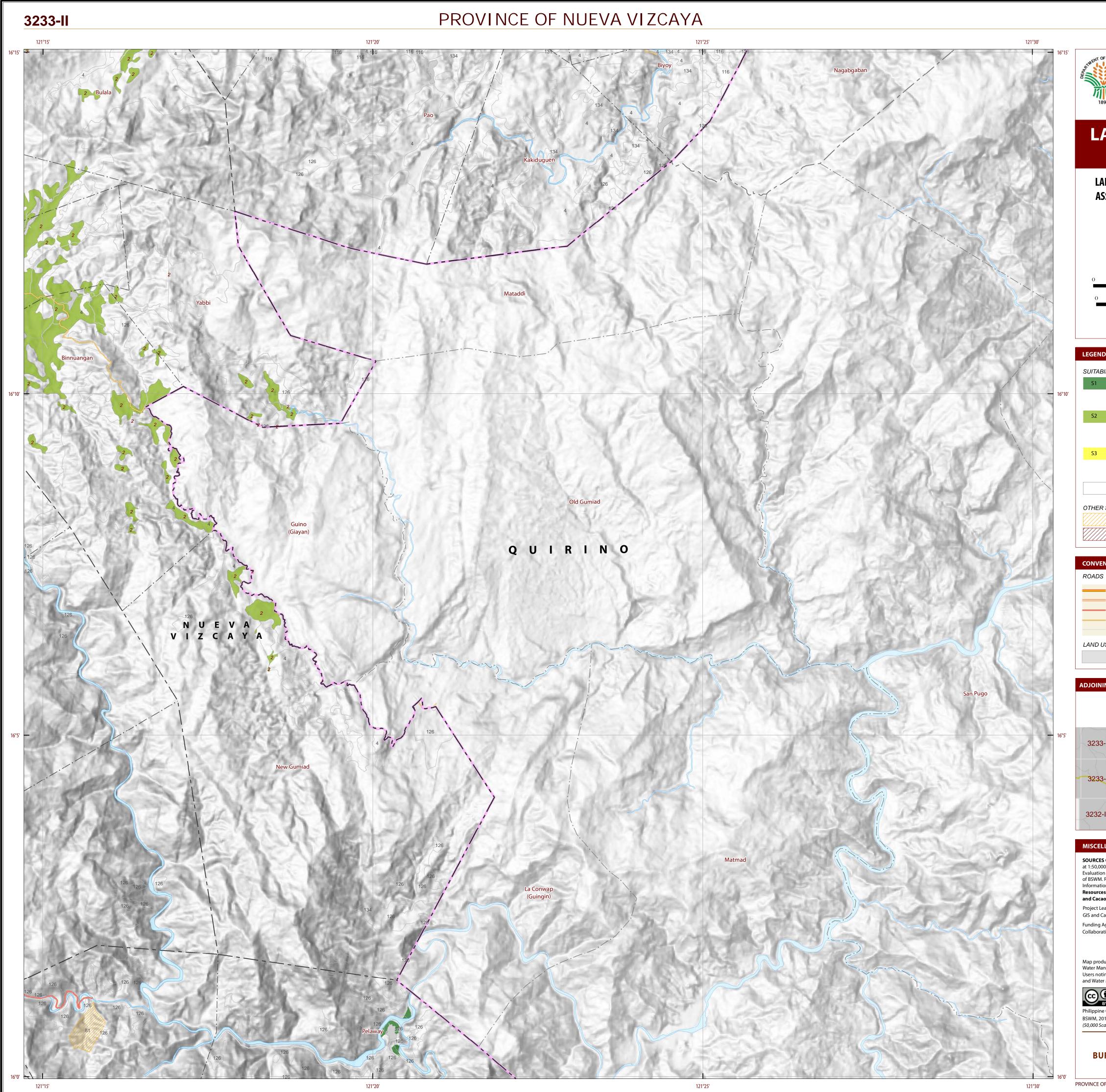
		Maddela
F AGRICULTURE	Burney of AGRICULTUR	TURNE WT OF AGA CLIUR
AND S	UITABII CACA(LITY MAP D
		I AND SUITABILITY RODUCTION AREAS
	W - E	<u>.</u>
0.5 1	SCALE 1:50 (4 5
0.5	Kilometers	<u>2</u> 3
	Miles nsverse Mercator Zone 51 All political boundaries a	
D		
application of a cantly reduce pr an acceptable le Moderately Sui moderately seve will reduce prod extent that the c attractive, will be Marginally Suit severe for sustai	given use, or only mino oductivity or benefits a vel. table - Land having lim ere for sustained applica uctivity or benefits and overall advantage to be e appreciably inferior to rable - Land having limi ned application of a giv o, or increase required in justified.	ficant limitations to sustained or limitations that will not signifi- and will not raise inputs above hitations which in aggregate are ation of a given use; the limitations l increase required inputs to the gained from the use, although still to that expected on class S1 land. Witations which in aggregate are yen use and will so reduce produc- aputs, that this expenditure will be
SIGNS NGP Areas Cacao	Land limita	ation
NTIONAL SIGNS	OUNDARY	HYDROLOGY
Expressway	Region	
Trunk line Primary Secondary Tertiary JSE Built-up	Fishpond	Sea / Shoreline Lakes / Rivers PLACES Capital City / City Capital Town / Town Mangrove
Primary Secondary Tertiary	Province District Municipality Barangay	Lakes / Rivers PLACES ★ Capital City / City ● Capital Town / Town
Primary Secondary Tertiary <i>ISE</i> Built-up	 Province District Municipality Barangay Fishpond 	Lakes / Rivers PLACES Capital City / City Capital Town / Town Mangrove
Primary Secondary Tertiary /SE Built-up ING SHEETS 33333-IV 3-1 3-1	Province District Municipality Barangay	Lakes / Rivers PLACES Capital City / City Capital Town / Town Mangrove
Primary Secondary Tertiary	Province District Municipality Barangay Fishpond Fishpond Topographic information tas information from the Sap information from the Sap is Survey Division (System (FR), 2015). Data analysis and tability Assessment of Str is sinformation from the Sap is Survey Division (System (FR), 2015). Data analysis and tability Assessment of Str is Survey Division (System (FR), 2015). Data analysis and tability Assessment of Str is Survey Division (System (FR), 2015). Data analysis and tability Assessment of Str is Survey Division (System (FR), 2015). Data analysis and tability Assessment of Str is Survey Division (System (FR), 2017). ARDO B. PASCUA IX. SAMALCA artment of Agriculture - Bu ppine Council on Agriculture artment of Agriculture Rec VI, VII, VIII, IX, X, XI, XI and al Government Unit (LGU) of as and Soil Information Tecl is in this publication are req bublication is licensed und hational License. Unless of ectual property rights, in the blication should be attribut proseries for Cacao of the PR	Lakes / Rivers PLACES Capital City / City Capital Town / Town Capital Town / Town Capita
Primary Secondary Tertiary JSE Built-up ING SHEETS Built-up ING SHEETS Built-up ING SHEETS 33333-IV A 3333-IV 3-1 3-1 3333-IV 3-1 3333-IV 3-1 3333-IV 3-1 3333-IV 50F INFORMATION = 0 scale. Land resource n Division (ALMED), So Rice areas obtained fr o system (PRISM) (IRF es evaluation and Suit o Project implemented ader : BERN (artography : IRVIN Agency : Dep ting Agencies : Phili E Dep ting Agencies : Phili E Dep ting Agences : Ph	Province District Municipality Barangay Fishpond Fishpond Municipality Barangay Fishpond Marian Marian Sum Suman S	Lakes / Rivers PLACES Capital City / City Capital Town / Town Capital Town



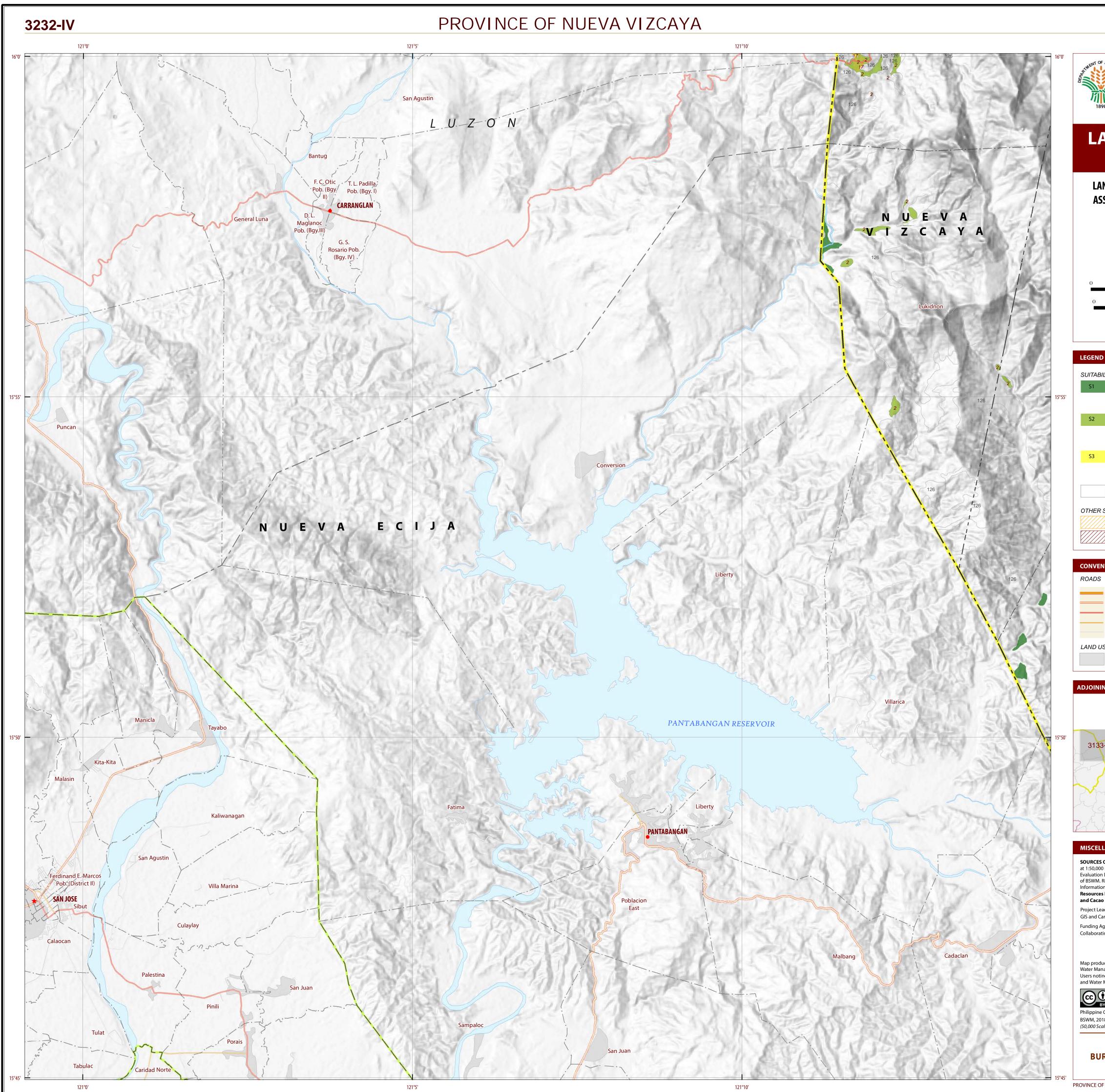
	San Nicolas
FAGROULLING OF AGRICULT	CULTURAL LEGAN CALLER AND OF A GALERATION OF A
AND SUITABI CACA	
ND RESOURCES EVALUATIO	
w - S	E
0.5 1 2 Kilometers	000 3 4 5
0.5 1 Miles Universal Transverse Mercator Zone 5 DISCLAIMER : All political boundaries	
D BILITY CLASSES	
 Highly Suitable - Land having no sig application of a given use, or only mir cantly reduce productivity or benefits an acceptable level. Moderately Suitable - Land having lim moderately severe for sustained appli will reduce productivity or benefits ar extent that the overall advantage to be attractive, will be appreciably inferior Marginally Suitable - Land having lim severe for sustained application of a g tivity or benefits, or increase required only marginally justified. Not Suitable/ Not Relevant 	nor limitations that will not signifi- and will not raise inputs above mitations which in aggregate are cation of a given use; the limitations nd increase required inputs to the be gained from the use, although still to that expected on class S1 land. mitations which in aggregate are given use and will so reduce produc-
R SIGNS NGP Areas Cacao	tation
NTIONAL SIGNS	HYDROLOGY
Expressway Region Trunk line Province Primary District	Sea / Shoreline Lakes / Rivers
Secondary — Municipali Tertiary Barangay JSE	PLACES ty ★ Capital City / City ● Capital Town / Town
Tertiary Barangay	ty 🛞 ★ Capital City / City
Tertiary —•— Barangay	ty ★ Capital City / City ● Capital Town / Town
Tertiary Barangay JSE Built-up Fishpond ING SHEETS 3133-II	ty 😿 ★ Capital City / City ● Capital Town / Town Mangrove
Tertiary Barangay JSE Built-up Fishpond ING SHEETS J133-I 3233-IV J3133-II J33-I 3233-IV J3232-IV JUDEDUCINFORMATION: 3232-IV LANEOUS INFORMATION: Sof INFORMATION: Topographic information from the A in Division (ALMED), Soils Survey Division (SSD) Rice areas obtained from the Land Use System on System (PRISM) (IRRI, 2015). Data analysis areas estation and Suitability Assessment of Stationary of Stationary (SSD) Rice areas obtained from the Land Use System on System (PRISM) (IRRI, 2015). Data analysis areas estation and Suitability Assessment of Stationary (SSD) Rice areas obtained from the Land Use System on System (PRISM) (IRRI, 2015). Data analysis areas estation and Suitability Assessment of Stationary (SSD) Rice areas obtained from the Land Use System on System (PRISM) (IRRI, 2015). Data analysis areas estation and Suitability Assessment of Stationary (SSD) Rice areas obtained from the Land Use System on System (PRISM) (IRRI, 2015). Data analysis areas estationary (SSD) Rice areas obtained from the Land Use System on System (PRISM) (IRRI, 2015). Data analysis areas estationary (SSD) Rice areas obtained from the Sources information from the A independence of the System (PRISM) (IRRI, 2015). Data analysis areas estation and Suitability Assessment of Stationary (SSD) Rice areas obtained from the Land Use System on System (PRISM) (IRRI, 2015). Data analysis areas estationary (SSD) Batter :: ERRNARDO B. PASCUA	P Capital City / City Capital Town / Town Mangrove INDEX MAP Internet of the particular of the particula
Tertiary Barangay USE Built-up Fishpond ING SHEETS ATTACES AT	P Capital City / City Capital Town / Town Capital Town / Town Contraction of the con
Tertiary Barangay <i>ISE</i> Built-up Fishpond ING SHEETS 3133-II 3233-IV 3133-II 3233-IV 3133-II 3233-IV 3133-II 3233-IV 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3233-IV 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3333-II 3335 3335 335	P Capital City / City Capital Town / Town Angrove INDEX MAP INDEX MAP Index of the second
Tertiary Barangay <i>ISE</i> Built-up Fishpond ING SHEETS 3133-II 3233-IV 3133-II 3233-IV 333-II 3233-IV 333-II 3233-IV 333-II 333-II 3233-IV 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 333-II 3	W Capital City / City W Capital Town / Town Capital Town / Town Capital Town / Town Capital City Capital Town / Town Capital City Capital Town / Town Capital Field Office of CAR, Region II, IV-A, CACARGA (XII) Covered provinces and municipalities Capital Field Coffice of CAR, Region II, IV-A, CACARGA (XII) Covered provinces and municipalities Capital Field Coffice of CAR, Region II, IV-A, CACARGA (XII) Covered provinces and municipalities Capital Field Coffice of CAR, Region II, IV-A, CACARGA (XII) Covered provinces and municipalities Capital Field Coffice of CAR, Region II, IV-A, CACARGA (XII) Covered provinces and municipalities Capital Field Coffice of CAR, Region II, IV-A, CACARGA (XII) Covered provinces and municipalities Capital Field Coffice of CAR, Region II, IV-A, CARGA (XII) Covered provinces and municipalities Capital Field Coffice of CAR, Region II, IV-A, CARGA (XII) Covered provinces



			Burgos	
F AGAPICULIUM 998	HAR DE AGRICE	CRICULTURAL MEDIO	1898	
AND S		ILIT	Y MAP	
ND RESOURC				
	w - U	E		
0.5 1	SCALE 1:5	0 000 3 5	4 5	
	Miles Sverse Mercator Zone	2 • 51 N. PRS 199		
D				
 application of a g cantly reduce pro- an acceptable leve Moderately Suite moderately seven will reduce produ- extent that the o attractive, will be Marginally Suite severe for sustain 	given use, or only m oductivity or benefi- yel. (able - Land having re for sustained app uctivity or benefits verall advantage to appreciably inferio able - Land having ned application of a or increase require ustified.	inor limitatio its and will no limitations w blication of a and increase be gained fr or to that exp limitations w given use an	itations to sustained ons that will not signifi- ot raise inputs above which in aggregate are given use; the limitation required inputs to the om the use, although st ected on class S1 land. hich in aggregate are of will so reduce product t this expenditure will b	:ill :-
SIGNS NGP Areas Cacao	Land lin Land us	mitation se		
NTIONAL SIGNS	OUNDARY	HYDR	OLOGY	
Expressway Trunk line Primary Secondary Tertiary	Region Province District Municipa	· · · ·	Sea / Shoreline Lakes / Rivers ES Capital City / City Capital Town / Town	
ISE Built-up	Fishpond		Mangrove	
ING SHEETS			INDEX MAP	2
3233-I				
3-I 3233-IV 3-II 3233-III 3232-IV	3233-1 3233-11 3232-1	A CAR		a state of the sta
LANEOUS INFOR				
0 scale. Land resources n Division (ALMED), Soi Rice areas obtained fro on System (PRISM) (IRR s Evaluation and Suit to Project implemented eader : BERNA fartography : IRVIN Agency : Depa ting Agencies : Philip	information from the Is Survey Division (SSI om the Land Use Syste J, 2015). Data analysis ability Assessment o d by BSWM (2017). ARDO B. PASCUA K. SAMALCA artment of Agriculture opine Council on Agric	Agricultural La D) and Laborato (FAO, 2015) and compilatic f Strategic Pro e - Bureau of Ag culture and Fish	ory Services Division (LSD) and Philippine Rice on through the Land o duction Areas for Coffee ricultural Research (DA-BA	.R)
IV-B, : Loca luced by the Geomatics nagement (BSWM).	VI, VII, VIII, IX, X, XI, XII I Government Unit (LC and Soil Information	and CARAGA(X GU) of covered Technology Di		
r Management. DSO This p Intern	ublication is licensed ational License. Unles ctual property rights, plication should be att	under a Creativ s otherwise no in this publicat ributed as :	re Commons Attribution 4. ted, copyright and any oth tion is owned by the	
DEPART REAU OF SO SRDC Bldg., Elliptical F	LIC OF THE PI MENT OF AG ILS AND WA Road Cor. Visayas Avenu) 332-9534 E-mail: bsw	RICULTU TER MAI Ie, Diliman, Quez	RE NAGEMENT zon City 1101	-
DF NUEVA VIZCAYA		Sheet 1	0 of 13 Sheet No. 3233	3-111



		Та	auayan
Page Country Page 1	A CRICULATION OF AGRICULT	DEPARA	1898
AND SU	JITABI CACA	LITY	MAP
	ES EVALUATION STRATEGIC PF		
	W - E	E	
0.5 1	SCALE 1:50 (2 3 Kilometers	DOO 4	5
Universal Trans	1 Miles sverse Mercator Zone 51 Il political boundaries a		
D			
 application of a gi cantly reduce pro an acceptable leve Moderately Suita moderately severe will reduce produ extent that the ov attractive, will be Marginally Suita severe for sustained 	able - Land having lim e for sustained applica ctivity or benefits and rerall advantage to be appreciably inferior to ble - Land having lim ed application of a giv or increase required in stified.	or limitations tha and will not raise hitations which i ation of a given d increase requir gained from the o that expected itations which ir ven use and will	t will not signifi- inputs above n aggregate are use; the limitations ed inputs to the e use, although still on class S1 land. aggregate are so reduce produc-
SIGNS NGP Areas Cacao	Land limita	ation	
NTIONAL SIGNS EXpressway Trunk line Primary Secondary Tertiary	DUNDARY Region Province District Municipality Barangay	PLACES	GY Gea / Shoreline Lakes / Rivers Dital City / City Dital Town / Town
JSE Built-up	Fishpond	Mangr	ove
ING SHEETS 3233-	I		X MAP
-IV 3233-I 3-III 3233-II -IV 3232-I	3333-IV		
0 scale. Land resources i n Division (ALMED), Soils Rice areas obtained from on System (PRISM) (IRRI, es Evaluation and Suita to Project implemented eader : BERNA	pographic information t nformation from the Agi s Survey Division (SSD) a n the Land Use System (2015). Data analysis and bility Assessment of St by BSWM (2017). RDO B. PASCUA	ricultural Land Ma nd Laboratory Ser FAO, 2015) and Ph I compilation throu	nagement and vices Division (LSD) ilippine Rice ugh the Land
Agency : Depai ting Agencies : Philip : Depai IV-B, V : Local luced by the Geomatics nagement (BSWM). ing errors or omissions i	C. SAMALCA rtment of Agriculture - B pine Council on Agricult rtment of Agriculture Reg 1, VII, VIII, IX, X, XI, XII and Government Unit (LGU) and Soil Information Tec n this publication are red	ure and Fisheries (gional Field Office I CARAGA(XIII) of covered provinc hnology Division,	PCAF) of CAR, Region II, IV-A, res and municipalities Bureau of Soils and
BY NC SA Interna Government. This publ	blication is licensed und tional License. Unless ot tual property rights, in t ication should be attribu Series for Cacao of the PR	herwise noted, co his publication is c uted as :	pyright and any other wned by the
DEPART REAU OF SOI SRDC Bldg., Elliptical R	LIC OF THE PHIL MENT OF AGRI LS AND WATE oad Cor. Visayas Avenue, D 332-9534 E-mail: bswmcl	CULTURE R MANAG Viliman, Quezon City	1101
OF NUEVA VIZCAYA		Sheet 11 of 13	Sheet No. 3233-II



	Pantabangan
FAGRICULTURE OF	AGAO CILIUMAN AND BARENT OF AGAC TO BARENT OF AG
	ABILITY MAP
	JATION AND SUITABILITY GIC PRODUCTION AREAS
w -	S E
0.5 1 2	1:50 000 3 4 5 meters 2 3
Universal Transverse Mercato	iles or Zone 51 N. PRS 1992 Datum undaries are not authoritative.
D	
 application of a given use, or of cantly reduce productivity or lan acceptable level. Moderately Suitable - Land h moderately severe for sustained will reduce productivity or being extent that the overall advanta attractive, will be appreciably Marginally Suitable - Land has severe for sustained application 	g no significant limitations to sustained only minor limitations that will not signifi- benefits and will not raise inputs above having limitations which in aggregate are ed application of a given use; the limitations nefits and increase required inputs to the age to be gained from the use, although still inferior to that expected on class S1 land. aving limitations which in aggregate are on of a given use and will so reduce produc- equired inputs, that this expenditure will be
	and limitation and use
NTIONAL SIGNS	
BOUNDARY	HYDROLOGY
Trunk line Pro Primary Dis Secondary Mu	gion wince trict PLACES unicipality ★ Capital City / City rangay ● Capital Town / Town Mangrove
Trunk line Pro Primary Dis Secondary Mu Tertiary Bar JSE Built-up Fishpo	Avince Lakes / Rivers Lakes / Rivers Lakes / Rivers Lakes / Rivers Lakes / Rivers Arithmetic PLACES Mangrove Mangrove
Trunk line Pro Primary Dis Secondary Mu Tertiary Bar	Lakes / Rivers trict PLACES unicipality $$ \bigstar Capital City / City rangay $$ $$ Capital Town / Town and $$ Mangrove INDEX MAP II
Trunk line Primary Secondary Tertiary Built-up Fishpo ING SHEETS 3232-IV 3-II 3233-III 3233-	Lakes / Rivers trict PLACES unicipality $$ \bigstar Capital City / City rangay $$ $$ Capital Town / Town and $$ Mangrove INDEX MAP II
Trunk line Primary Secondary Tertiary	Avince Lakes / Rivers trict PLACES incipality A Capital City / City angay A Capital Town / Town and Correct Mangrove INDEX MAP INDEX MAP
Trunk line Primary Secondary Tertiary <i>Secondary</i> Tertiary <i>Secondary</i> Tertiary <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Tertiary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i> <i>Secondary</i>	Lakes / Rivers trict PLACES incipality A Capital City / City angay A Capital Town / Town and A Capital Town / Town INDEX MAP INDEX MAP I
Trunk line Primary Secondary Tertiary	genn Lakes / Rivers trict PLACES inicipality Capital City / City angay Capital Town / Town Image Capital Town / Town Image Mangrove INDEX MAP Image I

