LAND SUITABILITY MAP

ROBUSTA, LIBERICA AND EXCELSA COFFEE

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

PROVINCE OF ILOILO

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
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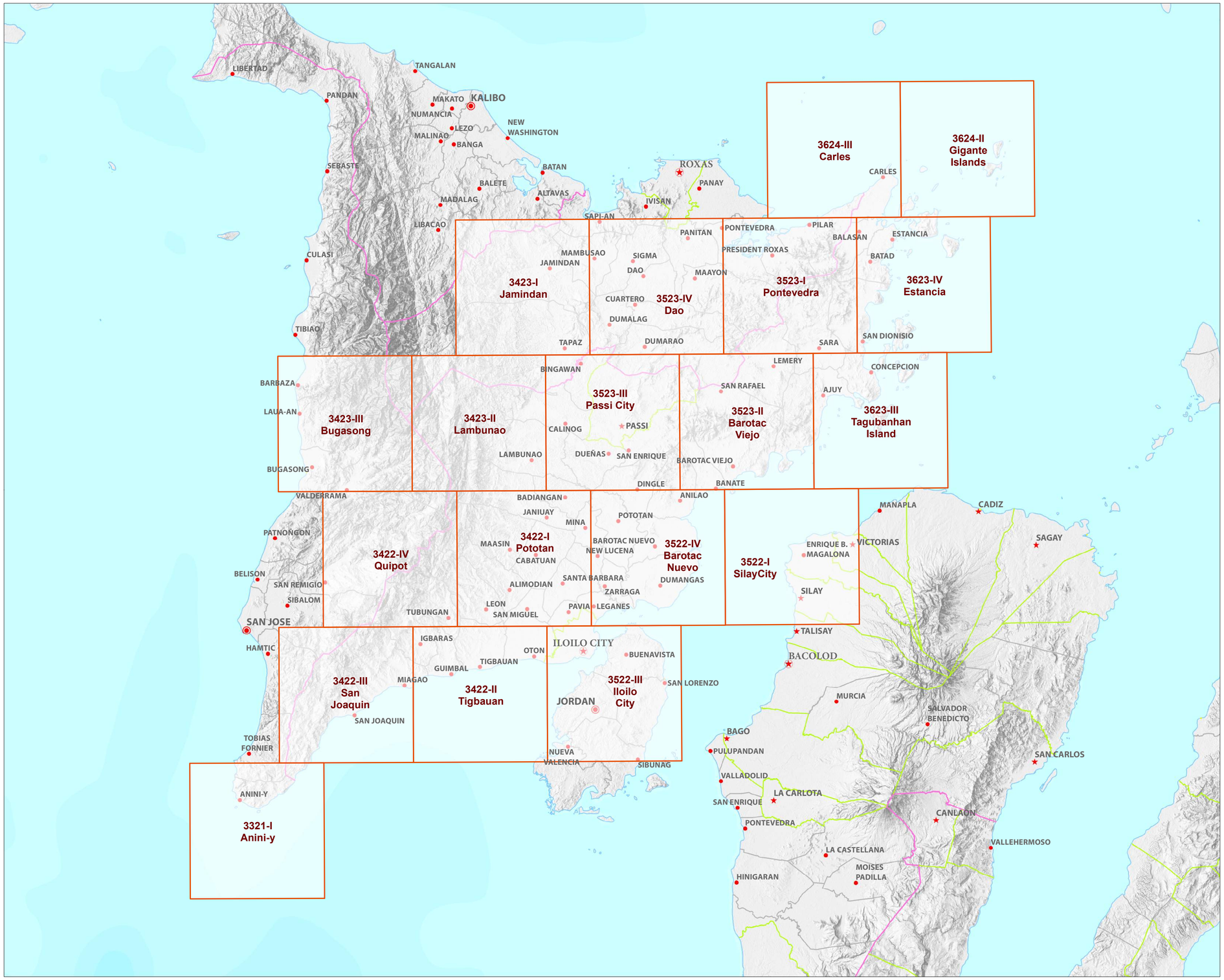
MAP INDEX

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

PROVINCE OF ILOILO



LEGEND

Places

- Capital City
- City
- Capital Town
- Town

Administrative Boundary

- Regional
- Provincial
- City
- Municipal

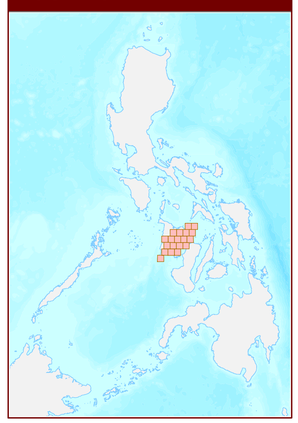
Map Index

- Index grid

Topographic Relief

Bathymetry

LOCATION MAP



LAND SUITABILITY MAP FOR ROBUSTA, LIBERICA AND EXCELSA COFFEE

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

ILOILO, REGION VI

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

MUNICIPALITY	EXISTING COFFEE (Ha)			TOTAL EXISTING AREA (Ha)	EXPANSION AREA (Ha)						CONFLICT RESOLUTION (Ha)								TOTAL POTENTIAL EXPANSION AREA (Ha)
					Coconut		Shrubland, unmanaged*		Grassland, unmanaged*		Corn		Rice paddy, non-irrigated		Sugarcane		Other crops		
	S1	S2	S3		S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	
AJUY	-	-	-	-	3,072	25	1,062	52	1,214	70	589	7	1,067	4	49	-	69	-	7,280
ALIMODIAN	-	-	-	-	37	-	2,651	3	-	-	708	-	420	-	-	-	-	-	3,818
ANILAO	-	4	21	25	89	-	482	401	232	352	1,186	322	2,590	153	-	-	-	-	5,806
BADIANGAN	-	-	-	-	2	58	496	1,574	-	-	1,199	1,232	543	325	-	-	-	-	5,429
BALASAN	-	-	-	-	360	-	3	-	-	-	487	-	1,312	-	27	-	55	-	2,244
BANATE	-	-	-	-	245	26	14	-	82	320	714	64	1,514	90	-	-	-	-	3,070
BAROTAC NUEVO	-	-	-	-	-	-	200	-	-	-	1,491	-	1,839	-	-	-	-	-	3,531
BAROTAC VIEJO	15	3	12	30	638	974	70	2	1,366	1,104	929	205	2,608	287	-	-	-	-	8,183
BATAD	2	-	5	8	181	-	45	-	36	0.02	1,084	5	812	-	-	-	-	-	2,164
BINGAWAN	-	-	-	-	-	-	1,646	-	21	-	2,988	-	350	-	-	-	-	-	5,006
CABATUAN	-	-	-	-	721	-	1,753	-	62	-	640	-	4,795	-	-	-	-	-	7,972
CALINOG	-	-	-	-	-	-	1,059	4	533	-	6,243	14	1,229	-	-	-	-	-	9,081
CARLES	-	-	-	-	1,422	-	221	-	209	-	933	-	1,045	-	405	-	69	-	4,304
CITY OF PASSI	-	-	-	-	-	-	1,116	479	3,771	720	8,539	624	3,709	77	12	-	-	-	19,048
CONCEPCION	-	-	50	50	1,738	-	856	23	524	19	248	-	454	0.1	1	-	-	-	3,862
DINGLE	-	-	19	19	-	-	501	702	-	-	2,820	960	1,215	81	-	-	-	-	6,277
DUEÑAS	-	-	-	-	-	-	112	409	-	-	2,823	2,412	1,817	440	-	-	-	-	8,013
DUMANGAS	-	-	-	-	-	-	-	-	-	-	1,367	-	1,494	-	-	-	-	-	2,862
ESTANCIA	-	-	-	-	299	-	80	-	81	-	577	-	848	-	-	-	-	-	1,886
GUIMBAL	-	-	-	-	29	-	1,716	-	10	-	1,072	-	577	-	-	-	-	-	3,403
IGBARAS	-	-	-	-	-	-	2,975	-	-	-	752	-	288	-	-	-	-	-	4,015
ILOILO CITY	-	-	-	-	66	-	11	-	2	-	263	-	665	-	-	-	-	-	1,007
JANIUAY	-	-	-	-	783	48	187	280	56	-	3,745	719	1,753	222	-	-	-	-	7,794
LAMBUNAO	-	-	-	-	-	-	1,872	607	723	241	6,355	2,256	1,304	292	-	-	-	-	13,649
LEGANES	-	-	-	-	30	-	-	-	-	-	300	-	466	-	-	-	-	-	795
LEMERY	-	-	-	-	2,144	-	866	-	1,726	9	109	-	2,572	7	550	-	158	-	8,141
LEON	-	-	84	84	106	-	4,197	8	6	-	-	-	313	-	-	-	-	-	4,629
MAASIN	-	-	-	-	1,026	-	1,077	-	226	-	520	-	1,548	-	-	-	-	-	4,398
MIAGAO	-	-	-	-	15	-	2,025	-	2,092	8	637	-	979	1	-	-	-	-	5,756
MINA	-	-	-	-	-	-	91	118	-	-	1,072	9	834	17	-	-	-	-	2,141
NEW LUCENA	-	-	-	-	262	-	-	-	-	-	348	-	2,253	-	-	-	-	-	2,863
OTON	-	-	-	-	108	-	44	-	-	-	978	-	2,161	-	-	-	-	-	3,291
PAVIA	-	-	-	-	72	-	-	-	-	-	316	-	431	-	-	-	-	-	819
POTOTAN	-	-	-	-	-	-	43	-	-	-	2,518	92	2,018	6	-	-	-	-	4,676
SAN DIONISIO	-	-	-	-	707	-	622	-	1,313	-	306	-	2,060	-	91	-	250	-	5,349
SAN ENRIQUE	6	-	51	58	108	-	98	127	2,700	64	1,783	194	1,755	33	25	-	25	-	6,911
SAN JOAQUIN	-	-	29	29	12	-	1,282	1	2,957	6	233	-	1,431	-	-	-	-	-	5,921
SAN MIGUEL	-	-	-	-	18	-	308	-	-	-	694	-	674	-	-	-	-	-	1,694
SAN RAFAEL	-	-	-	-	137	3	258	-	262	-	271	-	1,280	-	777	-	403	-	3,392
SANTA BARBARA	-	-	-	-	254	-	-	-	-	-	1,606	-	3,167	-	-	-	-	-	5,027
SARA	-	-	-	-	823	6	504	4	3,127	40	224	-	2,482	7	141	-	832	-	8,188
TIGBAUAN	-	-	-	-	161	-	3,827	-	14	-	861	-	1,527	-	-	-		-	6,390
TUBUNGAN	-	-	-	-	-	-	1,724	16	0.3	-	241	-	46	-	-	-	-	-	2,027
ZARRAGA	-	-	-	-	69	-	-	-	-	-	878	-	694	-	-	-	-	-	1,641
TOTAL	24	7	271	303	15,733	1,140	36,092	4,810	23,345	2,952	62,938	2,042	61,650	9,114	2,078	-	1,861	-	**223,755**

Note: Delivery of coffee planting materials must be starteed on the onset of rainy season.
**establishment of shade trees prior to planting of 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)	CLIMATIC TYPE
Coffee (Robusta, Excelsa, Liberica)	S1	<8	>100	CL, SiCL, SCL, SC, SiC, C, HC	WD,MWD	5.6 -7.2	high	none-slight	none-slight	none-few	<1000	2001-4500	I, III, IV
	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
	S3	>30	<30	S, LS, CSL, SL	VPD,ED	<5.0 -> 7.9	low	severe	severe	many	>2000	<1000 >4500	

SLOPE (%)
- 0 - 3 - level to gently sloping
- 3 - 8 - gently sloping to undulating
- 8 - 18 - undulating to rolling
- 18 - 30 - rolling to moderately steep
- 30 - 50 - steep
- > 50 - very steep

SOIL DRAINAGE
- ED - excessively drained
- WD - well drained
- MWD - moderately well drained
- SPD - somewhat poorly drained
- PD - poorly drained
- VPD - very poorly drained

SOIL REACTION (pH)
- < 4.5 - extremely acid
- 4.5 - 5.0 - very strongly acid
- 5.1 - 5.5 - strongly acid
- 5.6 - 6.0 - medium acid
- 6.1 - 6.5 - slightly acid
- 6.6 - 7.2 - neutral
- 7.3 - 7.8 - mildly alkaline
- 7.9 - 8.4 - moderately alkaline
- > 8.5 - strongly alkaline

SOIL TEXTURE

Coarse
- S - sand
- LS - loamy sand
- CSL - coarse sandy loam
- SL - sandy loam

Medium
- FSL - fine sandy loam
- L - loam
- SiL - silt loam
- CL - clay loam
- SiCL - silty clay loam
- SCL - sandy clay loam

Fine
- SC - sandy clay
- SiC - silty clay
- C - clay
- HC - heavy clay

SOIL DEPTH (cm)
- 0 - 30 - very shallow
- 30 - 50 - shallow
- 50 - 100 - moderately deep
- > 100 - deep to very deep

SURFACE IMPEDIMENT

ROCK OUTCROPS
- < 10% - none - few
- 10 - 30% - common
- > 30% - many

LAND LIMITATIONS DESCRIPTION AND COMBINATIONS

ELEVATION
- El2 - 1000m - 2000m
- El3 - > 2000m

SOIL DRAINAGE
- D2 - Somewhat poorly drained to poorly drained
- D3 - Very poorly drained or excessively drained

SOIL DEPTH
- Sh2 - Shallow to moderately deep (30 - 100cm)
- Sh3 - Very shallow (< 30cm)

SOIL EROSION
- E2 - Moderate erosion
- E3 - Severe erosion

SLOPE/TOPOGRAPHY
- T2 - Undulating to moderately steep
- T3 - Steep to very steep

SOIL TEXTURE
- Tc - Coarse texture

ROCK OUTCROPS
- Rc2 - Common
- Rc3 - Many

FLOODING
- F2 - Moderate seasonal flooding
- F3 - Severe seasonal flooding

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.

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.

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.

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.

CLIMATE TYPE

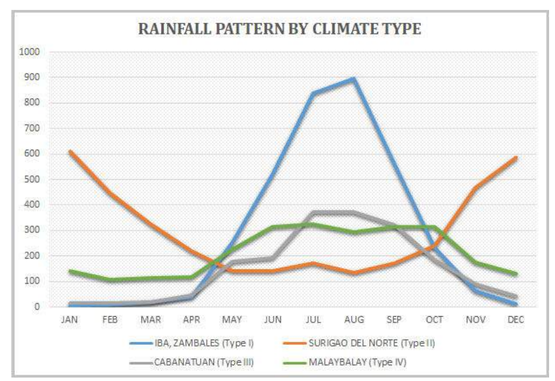
TYPE I : Two pronouced season, dry from November to April and wet during the rest of the year. Maximum rain period is from June to September

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 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.

Rainfall is more or less evenly distributed throughout the year. This type resembles Type II since it has no dry season.

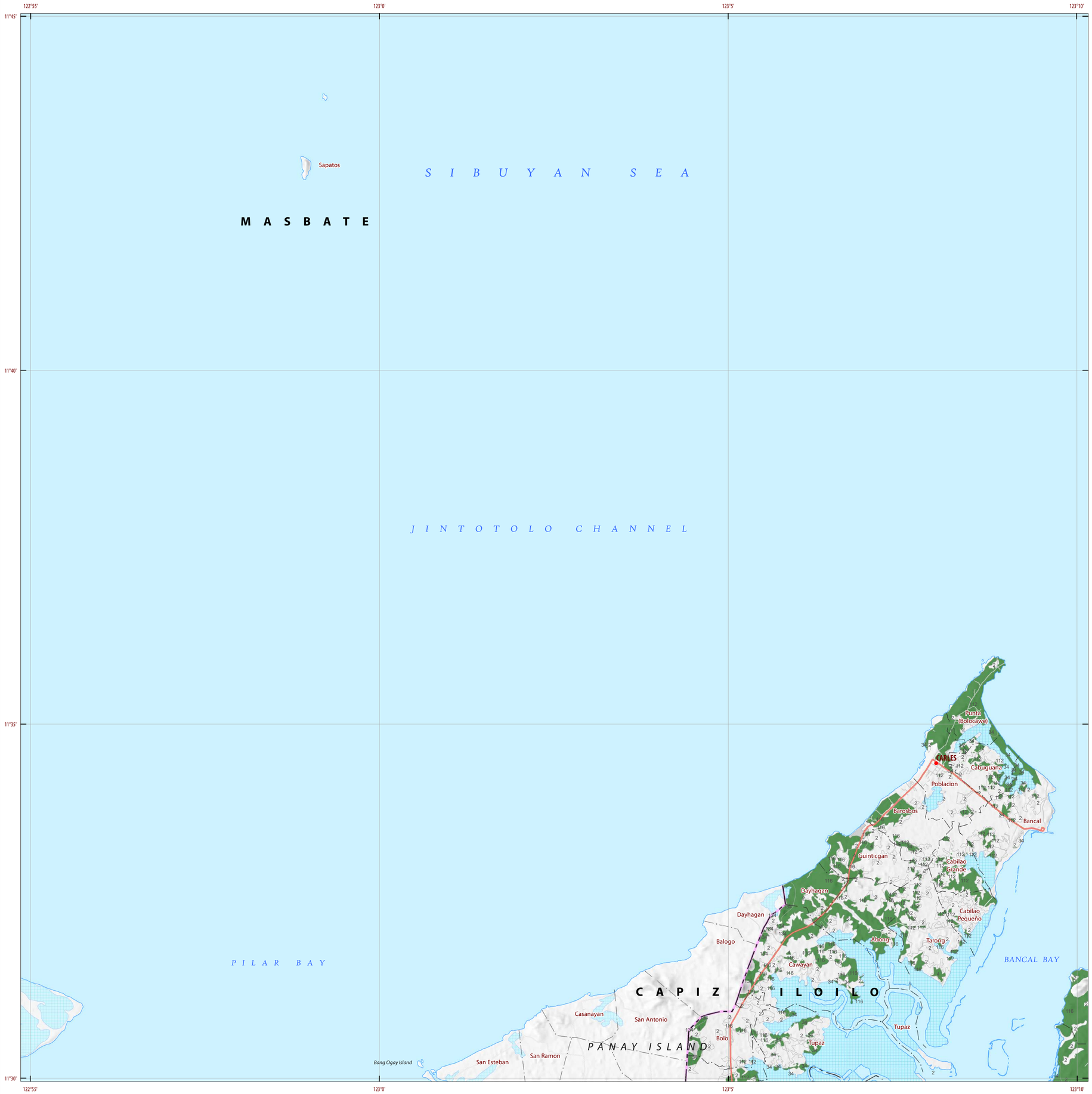
Southern part of Iloilo is classified as climatic Type I and Northern part belongs to Type III.



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>.

CODE	LAND LIMITATION	CODE	LAND LIMITATION	CODE	LAND LIMITATION
1	E2-Rc3	11	T2	21	T2-El2-E3-Sh2-Rc3
2	E2-Sh2-Rc2	12	T2-E3	22	T2-El2-E3-Sh3-Rc3
3	E3-Rc3	13	T2-E3-Rc2	23	T2-F2-D2
4	El2-E3-Rc3	14	T2-E3-Rc3	24	T2-F3-D2
5	El2-Sh2-Rc3	15	T2-E3-Sh2-Rc2	25	T3
6	F2-D2	16	T2-E3-Sh2-Rc3	26	T3-E3
7	F3-D2	17	T2-E3-Sh3-Rc2	27	T3-E3-Rc3
8	Rc2	18	T2-E3-Sh3-Rc3	28	T3-E3-Sh3-Rc3
9	Sh2-Rc2	19	T2-El2	29	T3-El2-E3-Sh3-Rc3
10	Sh2-Rc3	20	T2-El2-E3-Rc3		

CODE	LAND USE
2	Non-irrigated rice
4	Corn
34	Diversified crops
81	Coffee
82	Cacao
112	Sugarcane
116	Coconut
126	Grassland
134	Shrubland, unmanaged



LAND SUITABILITY MAP ROBUSTA, LIBERICA AND EXCELSA COFFEE

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

N W E S

SCALE 1 : 50 000

0 0.5 1 2 3 4 5 Kilometers

0 0.5 1 2 3 Miles

Universal Transverse Mercator Zone 51 N. PRS 1992 Datum

DISCLAIMER : All political boundaries are not authoritative.

LEGEND

SUITABILITY CLASSES

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

S2 **Moderately Suitable** - Land having limitations which in aggregate are moderately severe for sustained application of a given use; the limitations will reduce productivity or benefits and increase required inputs to the extent that the overall advantage to be gained from the use, although still attractive, will be appreciably inferior to that expected on class S1 land.

S3 **Marginally Suitable** - 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

OTHER SIGNS

NGP Areas

Coffee

1 Land limitation

118 Land use

CONVENTIONAL SIGNS

ROADS

Expressway

Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

Capital Town / Town

LAND USE

Built-up

Fishpond

Mangrove

ADJOINING SHEETS

3624-III

3624-III 3624-II

3523-IV 3523-I 3623-IV

INDEX MAP

MISCELLANEOUS INFORMATION

SOURCES OF INFORMATION : Topographic information taken from NAMRIA Topographic Map at 1:50,000 scale. Land resources information from the Agricultural Land Management and Evaluation Division (ALMED), Soils Survey Division (SSD) and Laboratory Services Division (LSD) of BSWM. Rice areas obtained from the Land Use System (FAO, 2015) and Philippine Rice Information System (PRISM) (IRRI, 2015). Data analysis and compilation through the **Land Resources Evaluation and Suitability Assessment of Strategic Production Areas for Major Commodities Project** implemented by BSWM (2017).

Project Leader : BERNARDO B. PASCUA

GIS and Cartography : IRVIN K. SAMALCA

Funding Agency : Department of Agriculture - Bureau of Agricultural Research (DA-BAR)

Collaborating Agencies : Philippine Council on Agriculture and Fisheries (PCAF)

: Department of Agriculture and Fisheries - ARMM, Department of Agriculture Regional Field Office of Region IX, X, XI, XII and XIII (Caraga)

: Local Government Unit (LGU) of covered provinces and municipalities

Map produced by the Geomatics and Soil Information Technology Division, Bureau of Soils and Water Management (BSWM).

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REPUBLIC OF THE PHILIPPINES

DEPARTMENT OF AGRICULTURE

BUREAU OF SOILS AND WATER MANAGEMENT

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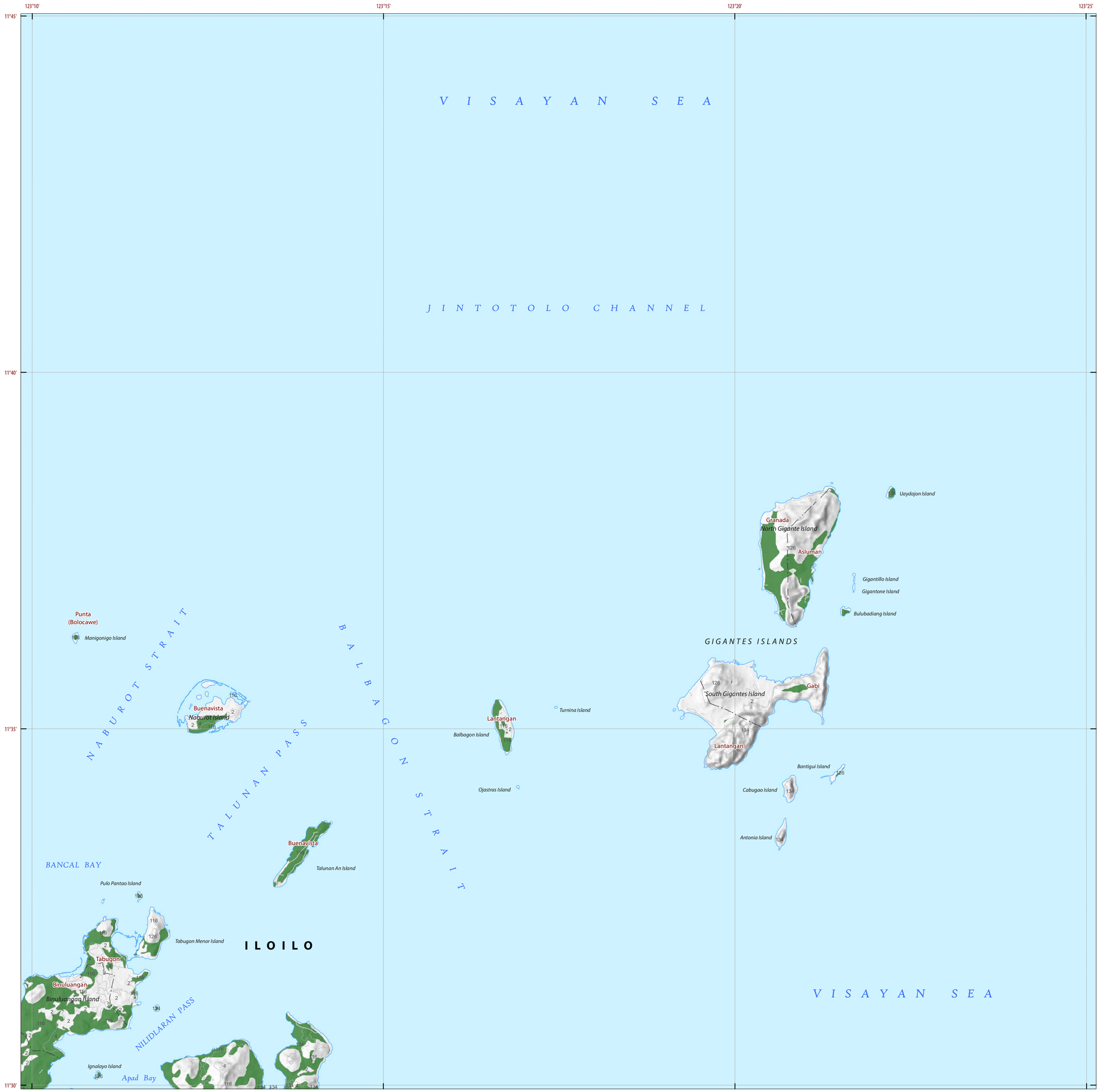

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LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

N
W E
S

SCALE 1 : 50 000

0 0.5 1 2 3 4 5
Kilometers

0 0.5 1 2 3
Miles

Universal Transverse Mercator Zone 51 N. PRS 1992 Datum

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LEGEND

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Not Suitable/ Not Relevant

OTHER SIGNS

NGP Areas

Coffee

1 Land limitation

116 Land use

CONVENTIONAL SIGNS

ROADS

Expressway

Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

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LAND USE

Built-up

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Mangrove

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3624-II

3624-III 3624-II

3523-I 3623-IV

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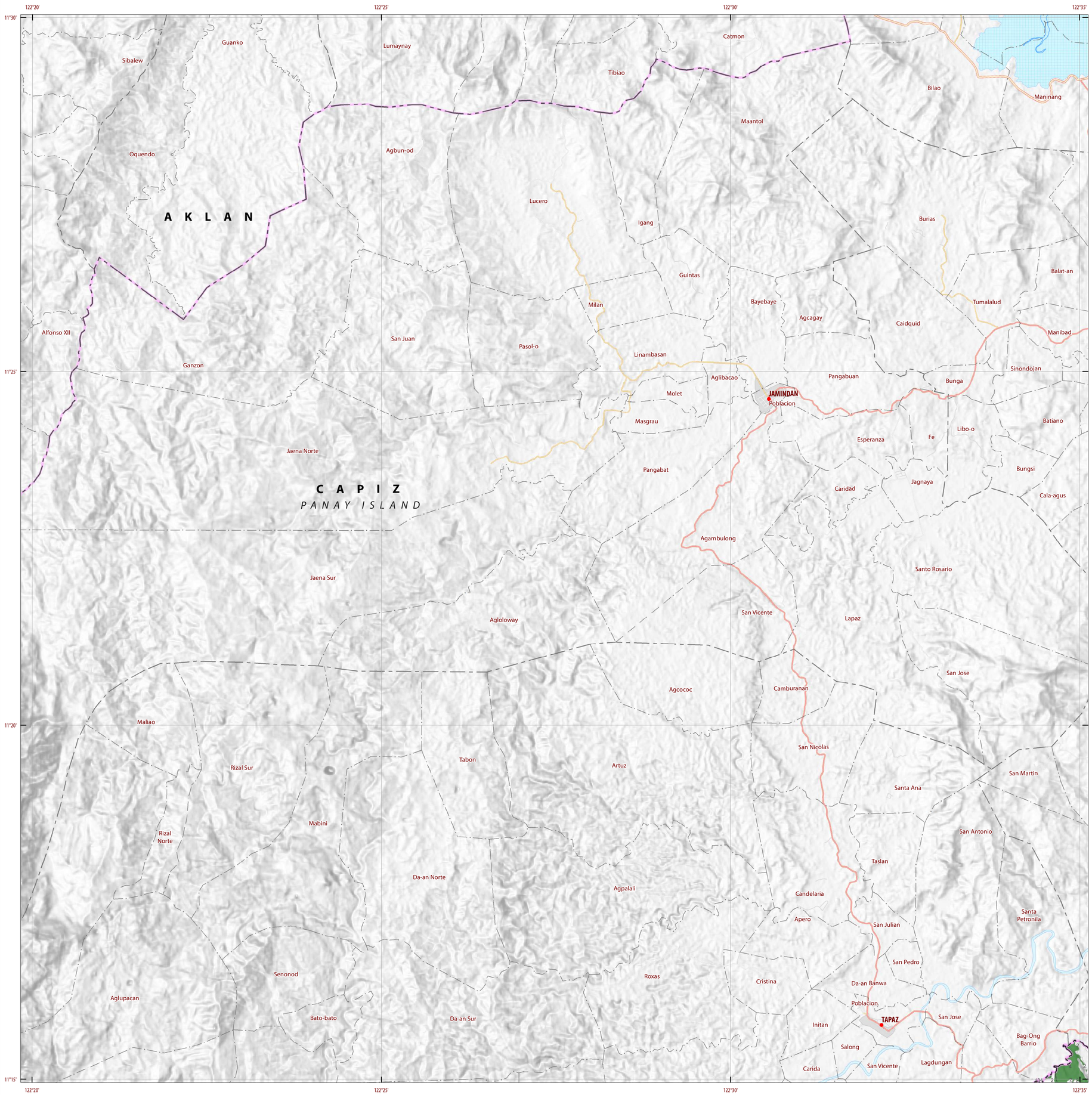

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Tertiary

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HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

Capital Town / Town

LAND USE

Built-up

Fishpond

Mangrove

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3423-I

3423-I 3523-IV

3423-III 3423-II 3523-III 3523-II

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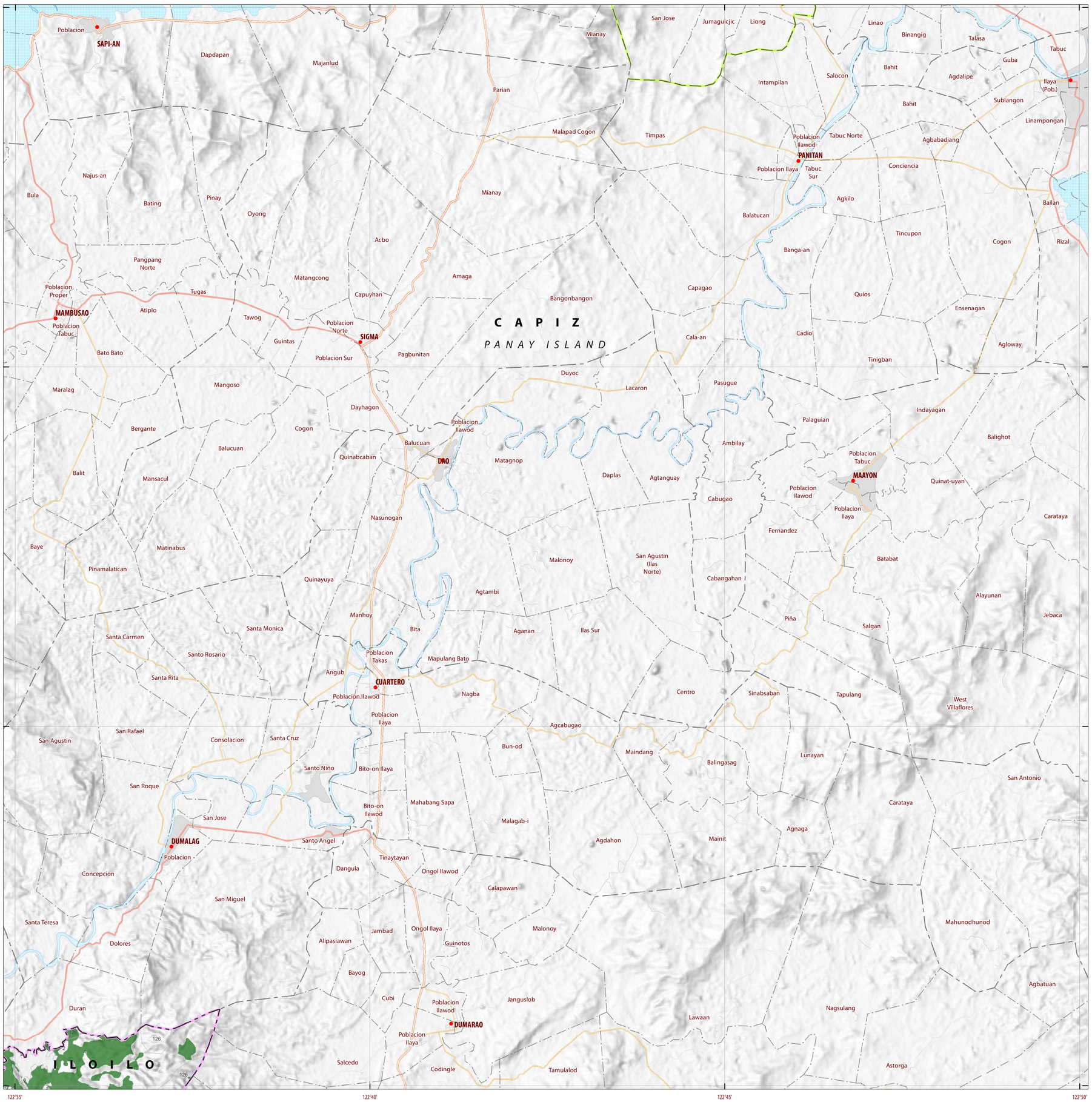

LAND SUITABILITY MAP ROBUSTA, LIBERICA AND EXCELSA COFFEE

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

N W E S

SCALE 1 : 50 000

0 0.5 1 2 3 4 5 Kilometers

0 0.5 1 2 3 Miles

Universal Transverse Mercator Zone 51 N. PRS 1992 Datum

DISCLAIMER : All political boundaries are not authoritative.

LEGEND

SUITABILITY CLASSES

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

S2 **Moderately Suitable** - Land having limitations which in aggregate are moderately severe for sustained application of a given use; the limitations will reduce productivity or benefits and increase required inputs to the extent that the overall advantage to be gained from the use, although still attractive, will be appreciably inferior to that expected on class S1 land.

S3 **Marginally Suitable** - 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

OTHER SIGNS

NGP Areas

Coffee

1 Land limitation

11B Land use

CONVENTIONAL SIGNS

ROADS

Expressway

Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

Capital Town / Town

LAND USE

Built-up

Fishpond

Mangrove

ADJOINING SHEETS

3523-IV

3624-III

3423-I 3523-IV 3523-I

3423-II 3523-III 3523-II 3623-III

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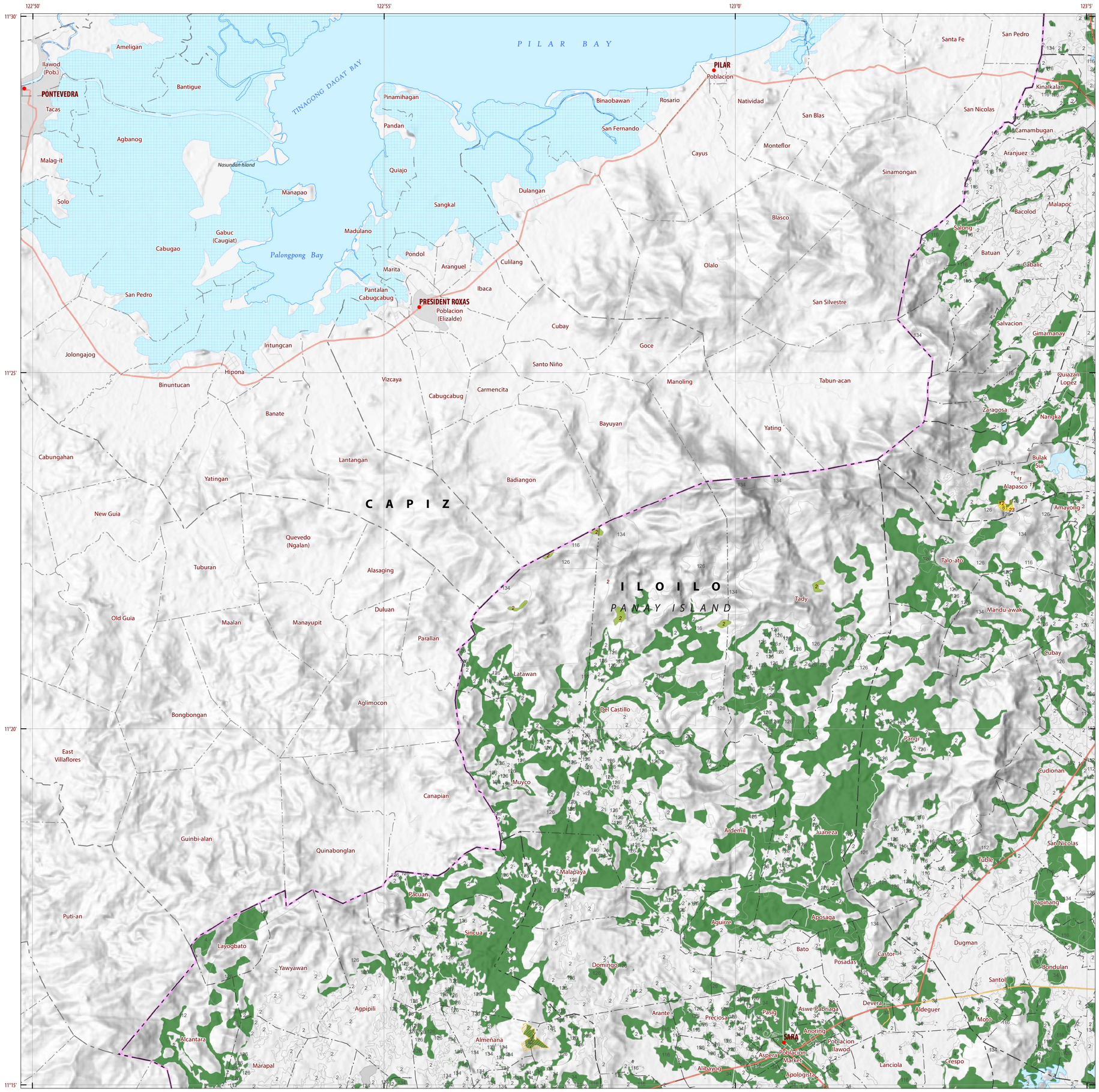

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OTHER SIGNS

- NGP Areas
- Coffee
- 1 Land limitation
- 118 Land use

CONVENTIONAL SIGNS

ROADS
- Expressway
- Trunk line
- Primary
- Secondary
- Tertiary

BOUNDARY
- Region
- Province
- District
- Municipality
- Barangay

HYDROLOGY
- Sea / Shoreline
- Lakes / Rivers

PLACES
- Capital City / City
- Capital Town / Town

LAND USE
- Built-up
- Fishpond
- Mangrove

ADJOINING SHEETS

3523-I

3624-III 3624-II
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3523-III 3523-II 3623-III

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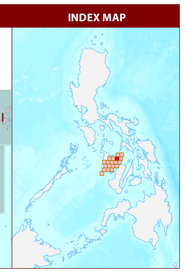

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OTHER SIGNS

NGP Areas

Coffee

1 Land limitation

118 Land use

CONVENTIONAL SIGNS

ROADS

Expressway

Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

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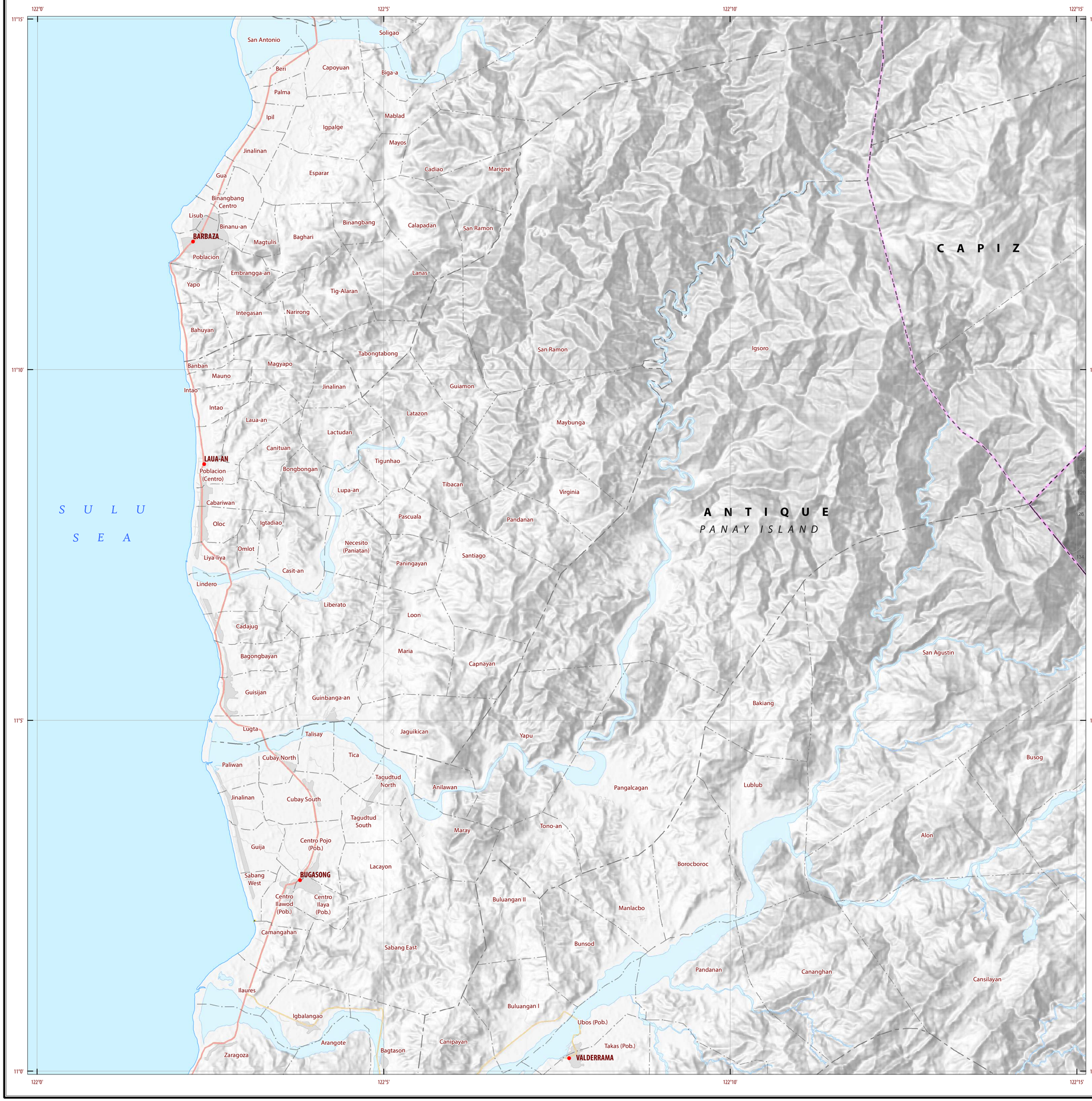

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Coffee

1 Land limitation

118 Land use

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ROADS

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Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

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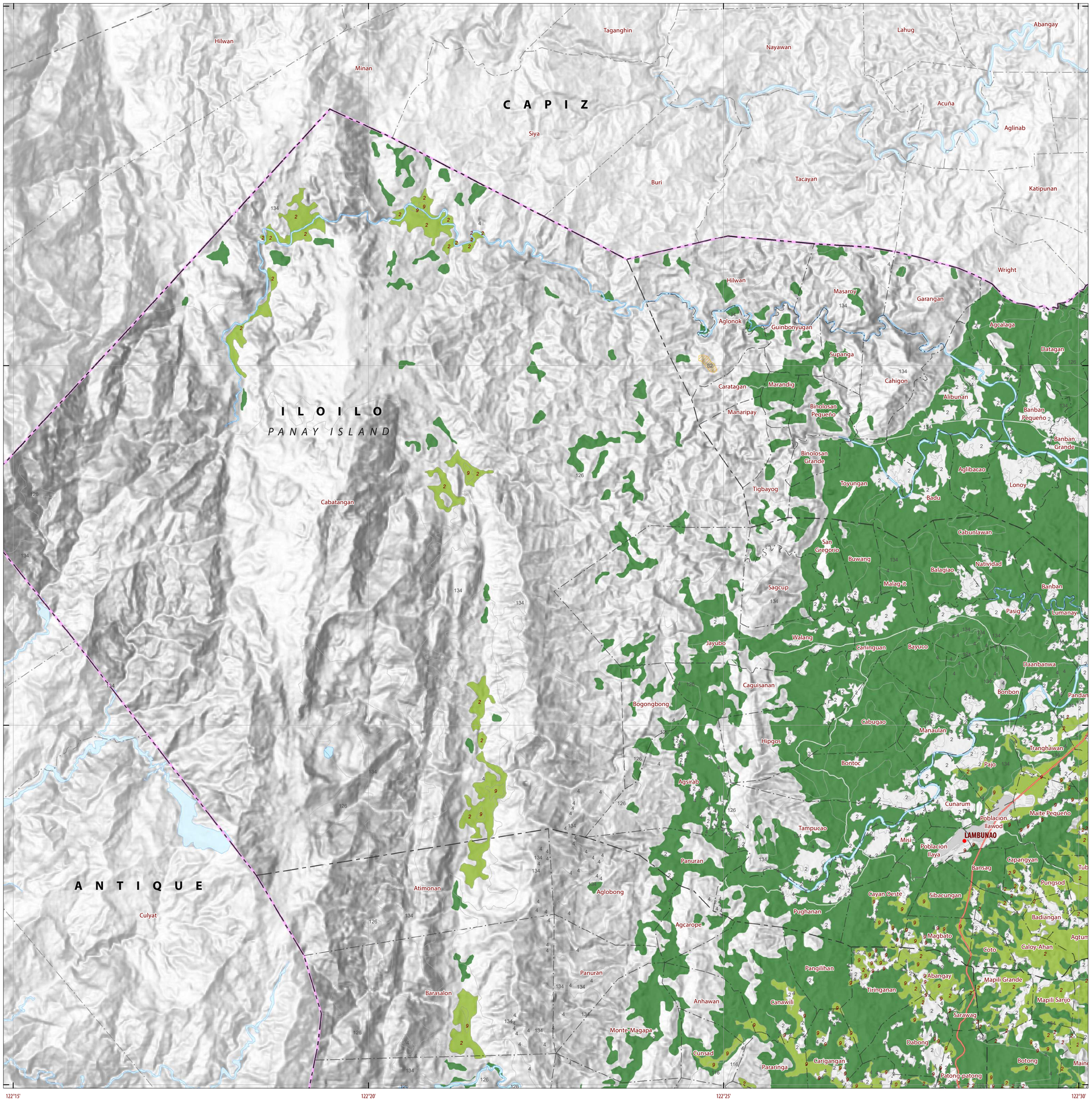

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OTHER SIGNS

NGP Areas

Coffee

1 Land limitation

115 Land use

CONVENTIONAL SIGNS

ROADS

Expressway

Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

Capital Town / Town

LAND USE

Built-up

Fishpond

Mangrove

ADJOINING SHEETS

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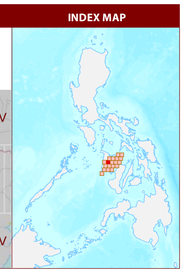

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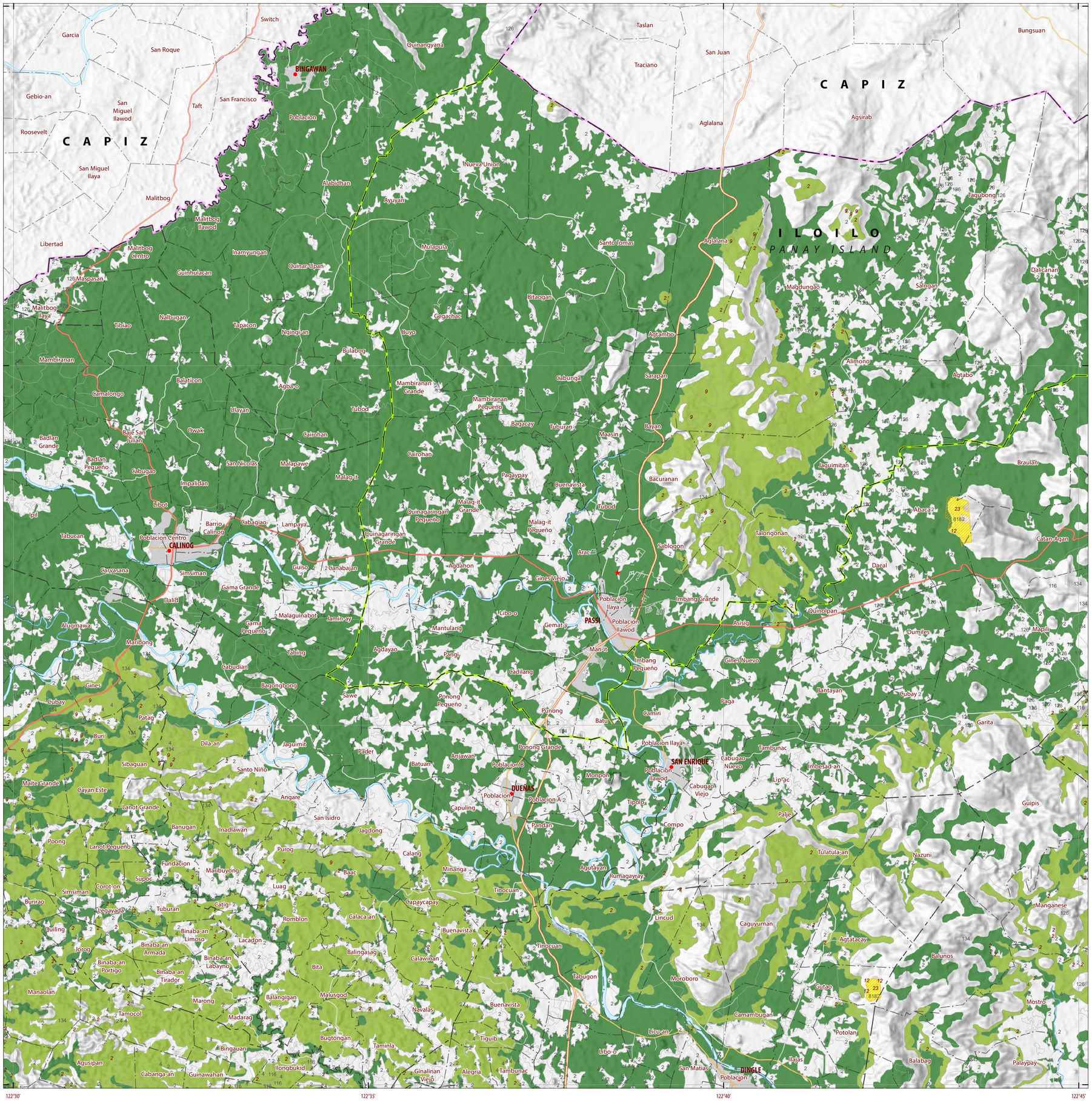

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118 Land use

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BOUNDARY

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Province

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Municipality

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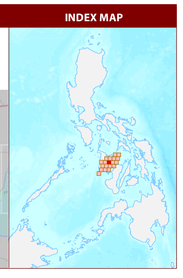

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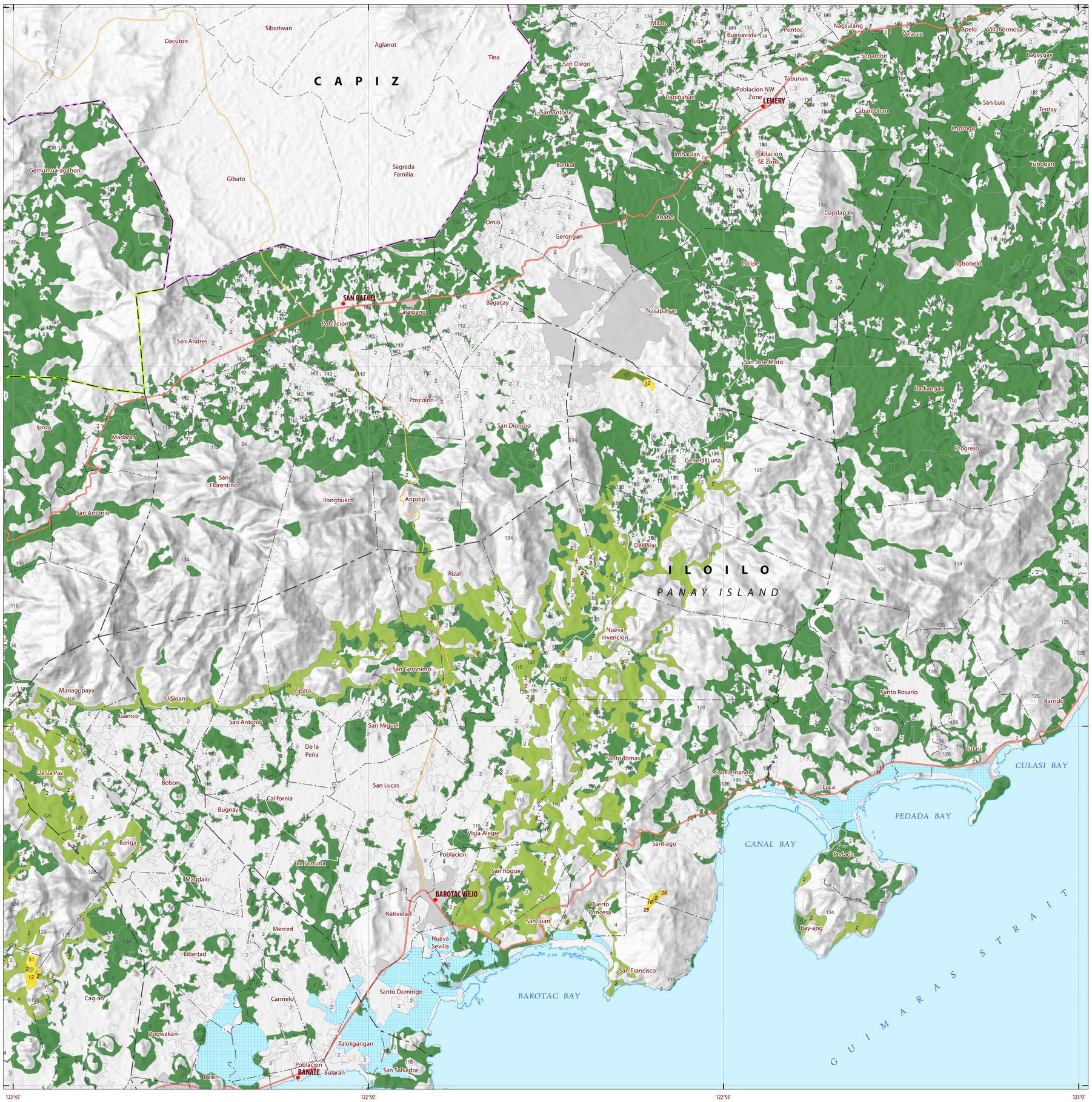

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LAND SUITABILITY MAP ROBUSTA, LIBERICA AND EXCELSA COFFEE

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

N W E S

SCALE 1 : 50 000

0 0.5 1 2 3 4 5 Kilometers

0 0.5 1 2 3 Miles

Universal Transverse Mercator Zone 51 N. PRS 1992 Datum

DISCLAIMER : All political boundaries are not authoritative.

LEGEND

SUITABILITY CLASSES

- S1 — **Highly Suitable** - Land having no significant limitations to sustained application of a given use, or only minor limitations that will not significantly reduce productivity or benefits and will not raise inputs above an acceptable level.
- S2 — **Moderately Suitable** - Land having limitations which in aggregate are moderately severe for sustained application of a given use; the limitations will reduce productivity or benefits and increase required inputs to the extent that the overall advantage to be gained from the use, although still attractive, will be appreciably inferior to that expected on class S1 land.
- S3 — **Marginally Suitable** - 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**

OTHER SIGNS

- NGP Areas
- Coffee
- Land limitation
- Land use

CONVENTIONAL SIGNS

ROADS

- Expressway
- Trunk line
- Primary
- Secondary
- Tertiary

BOUNDARY

- Region
- Province
- District
- Municipality
- Barangay

HYDROLOGY

- Sea / Shoreline
- Lakes / Rivers

PLACES

- Capital City / City
- Capital Town / Town

LAND USE

- Built-up
- Fishpond
- Mangrove

ADJOINING SHEETS

3623-III

3523-IV 3523-I 3623-IV

3523-II 3623-III

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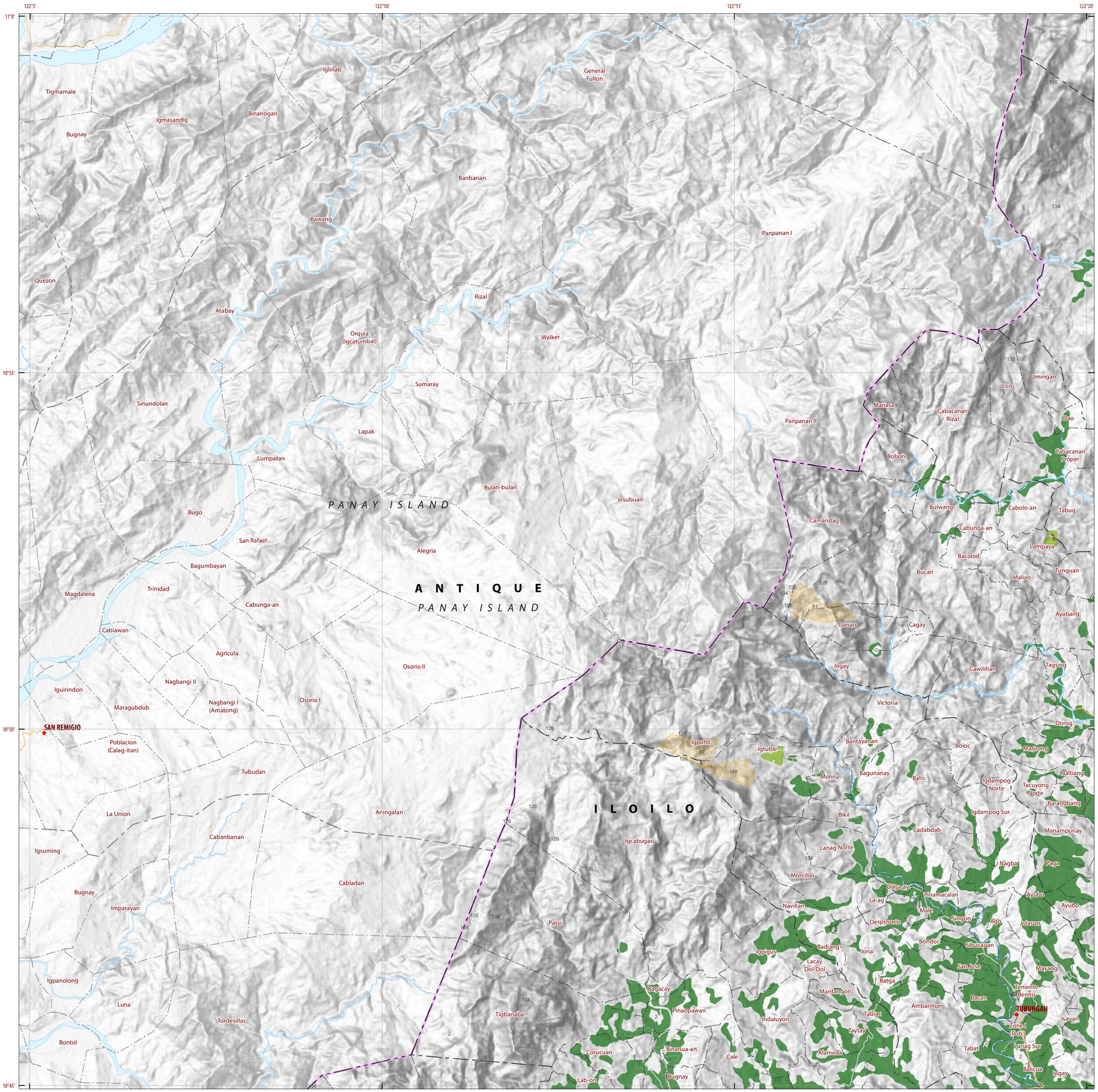

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Not Suitable/ Not Relevant

OTHER SIGNS

NGP Areas

Coffee

1 Land limitation

118 Land use

CONVENTIONAL SIGNS

ROADS

Expressway

Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

Capital Town / Town

LAND USE

Built-up

Fishpond

Mangrove

ADJOINING SHEETS

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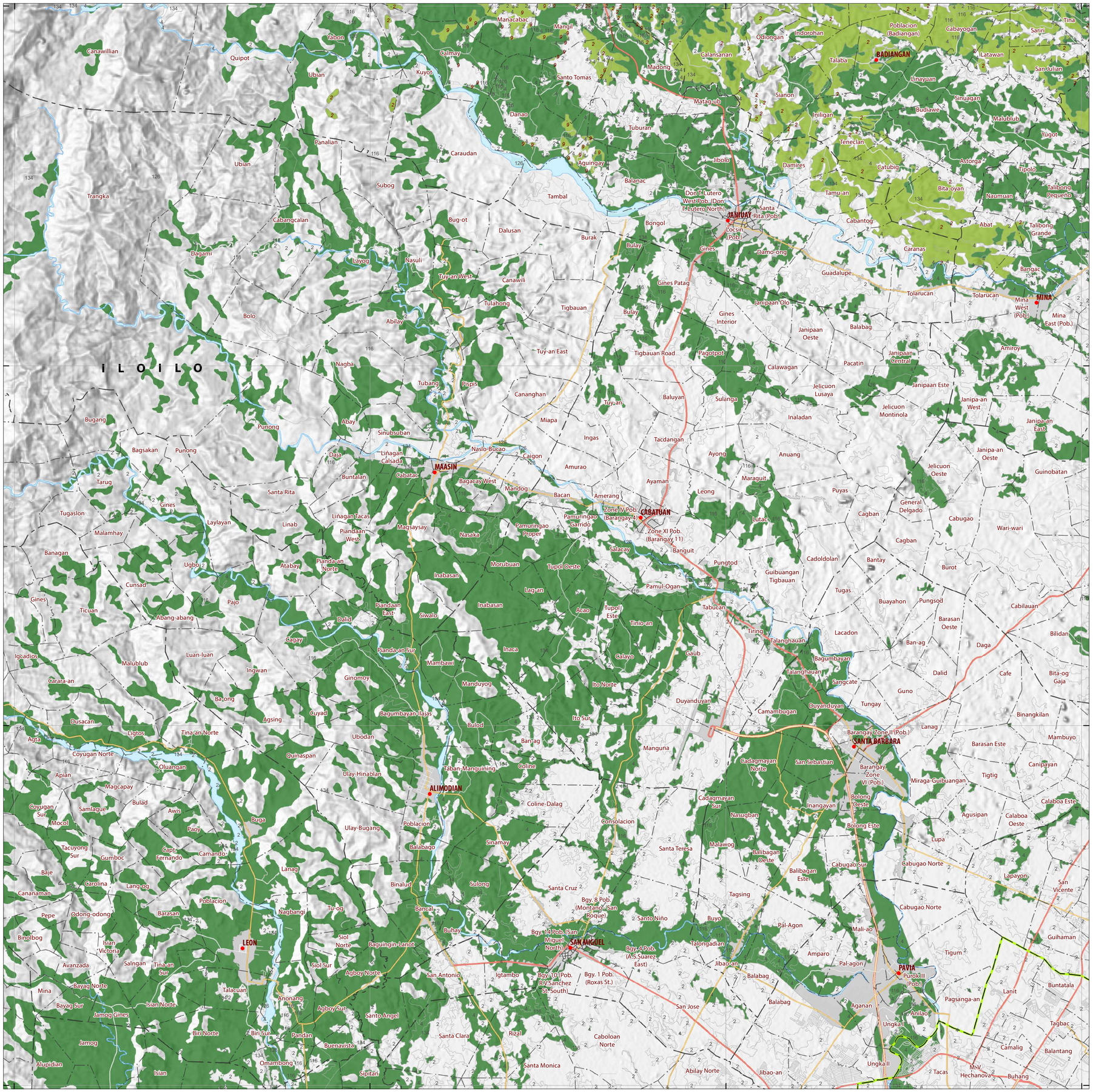

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Not Suitable/ Not Relevant

OTHER SIGNS

NGP Areas

Coffee

1 Land limitation

115 Land use

CONVENTIONAL SIGNS

ROADS

Expressway

Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

Capital Town / Town

LAND USE

Built-up

Fishpond

Mangrove

ADJOINING SHEETS

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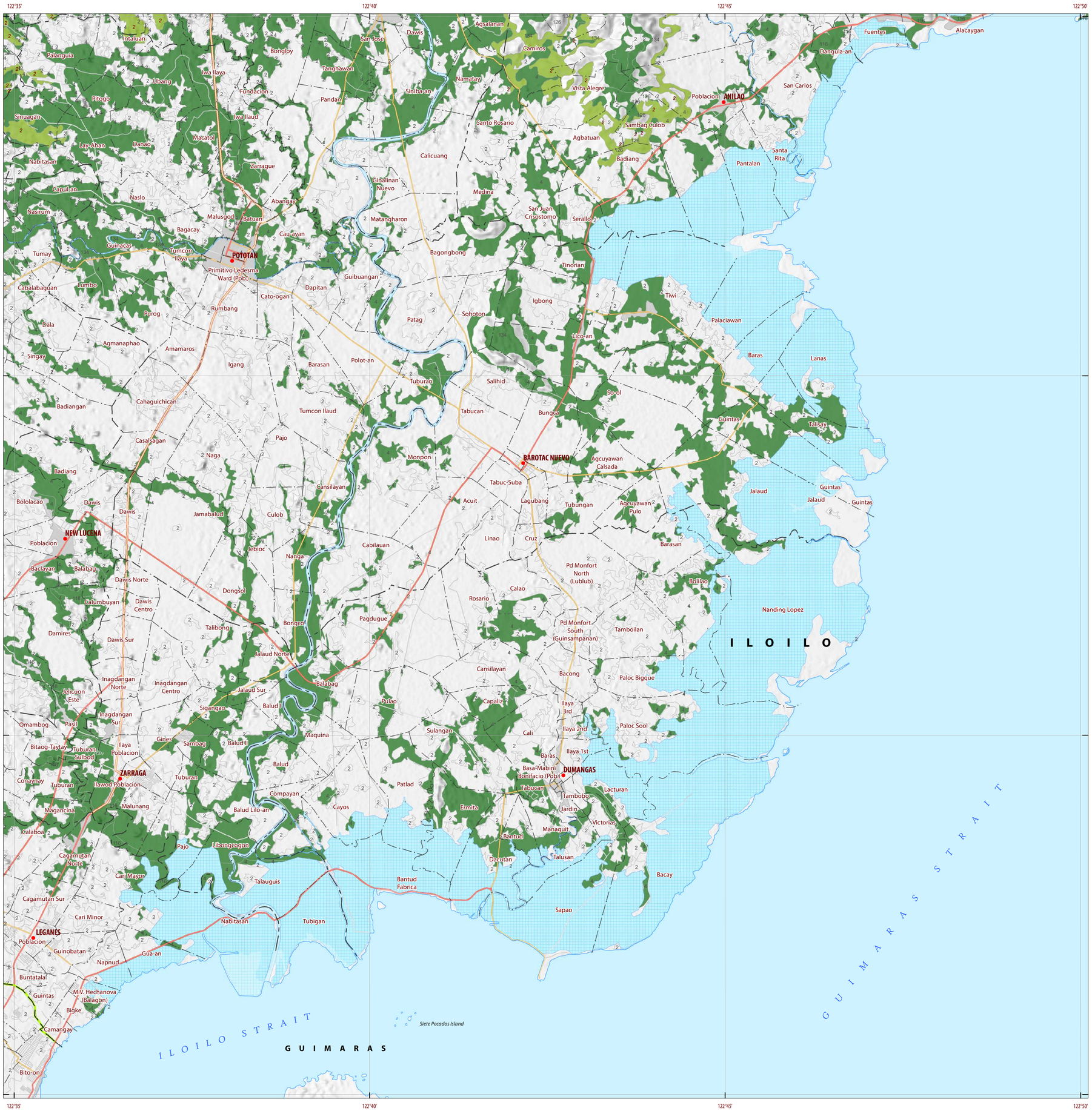

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LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

N
W E
S

SCALE 1 : 50 000

0 0.5 1 2 3 4 5
Kilometers

0 0.5 1 2 3
Miles

Universal Transverse Mercator Zone 51 N. PRS 1992 Datum

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OTHER SIGNS

NGP Areas

Coffee

1 Land limitation

118 Land use

CONVENTIONAL SIGNS

ROADS

Expressway

Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

Capital Town / Town

LAND USE

Built-up

Fishpond

Mangrove

ADJOINING SHEETS

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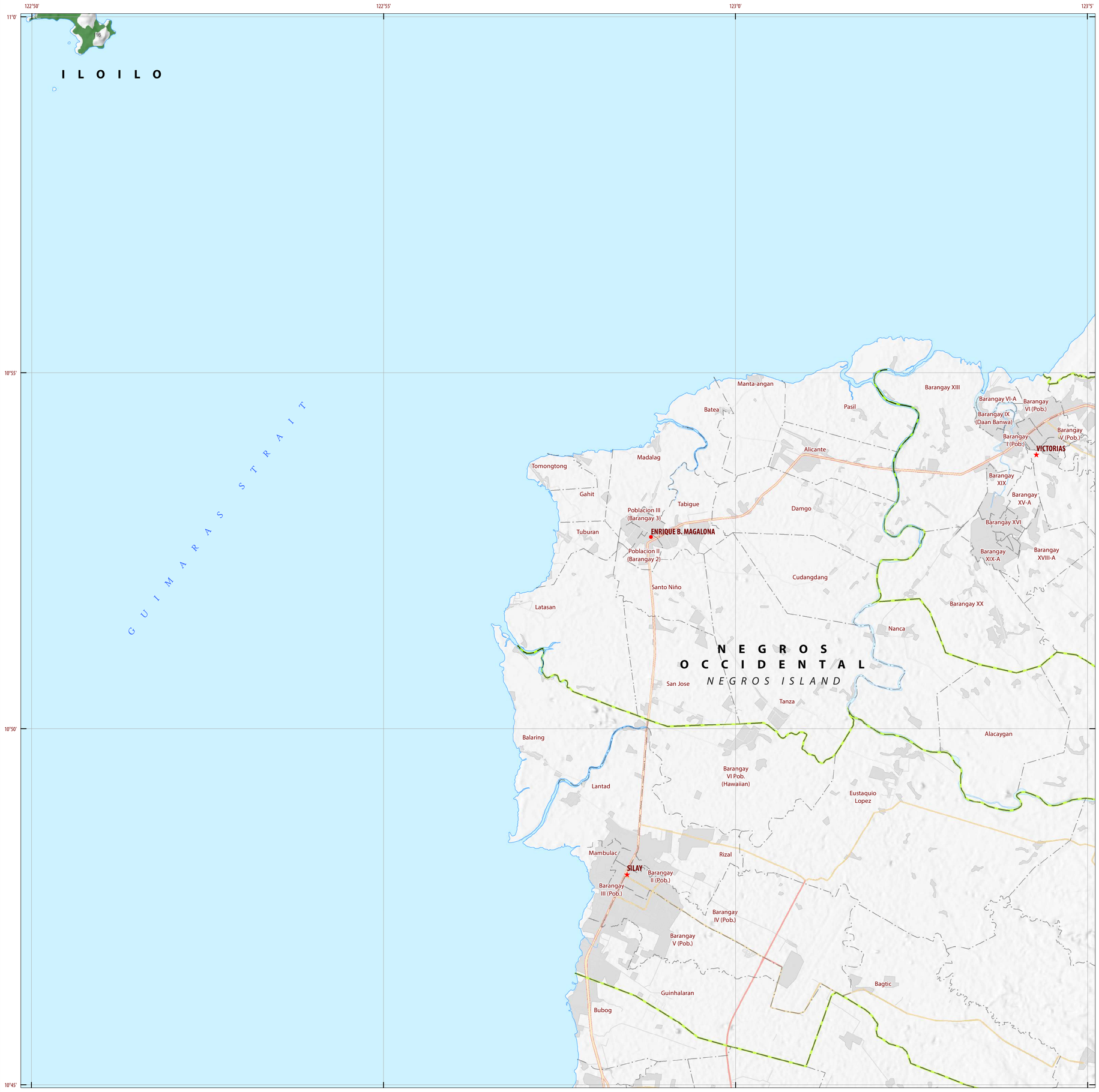

DEPARTMENT OF AGRICULTURE 1898

LAND SUITABILITY MAP ROBUSTA, LIBERICA AND EXCELSA COFFEE

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

N W E S

SCALE 1 : 50 000

0 0.5 1 2 3 4 5 Kilometers

0 0.5 1 2 3 Miles

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CONVENTIONAL SIGNS

ROADS

Expressway

Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

Capital Town / Town

LAND USE

Built-up

Fishpond

Mangrove

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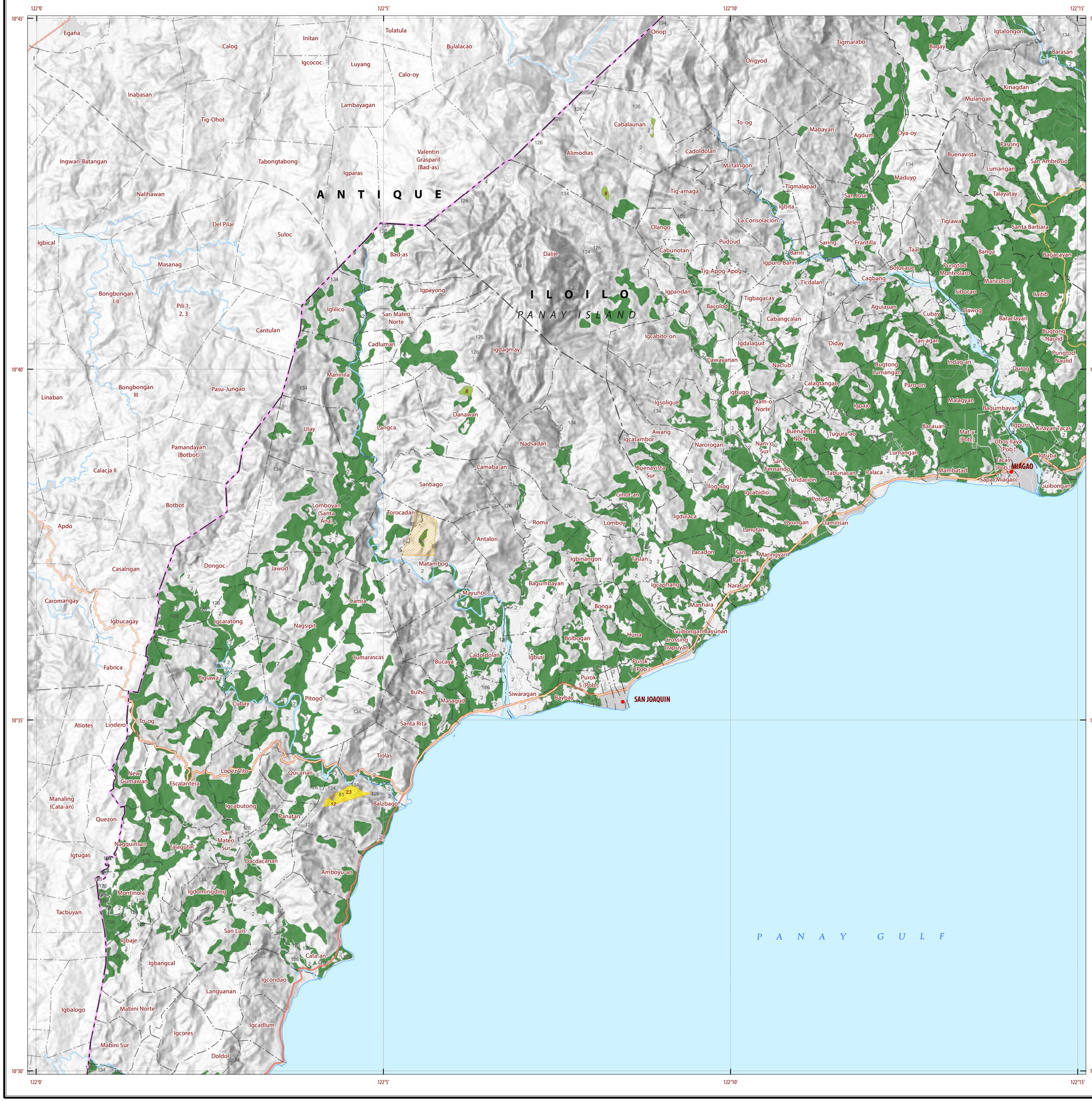

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Coffee

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118 Land use

CONVENTIONAL SIGNS

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Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

Capital Town / Town

LAND USE

Built-up

Fishpond

Mangrove

ADJOINING SHEETS

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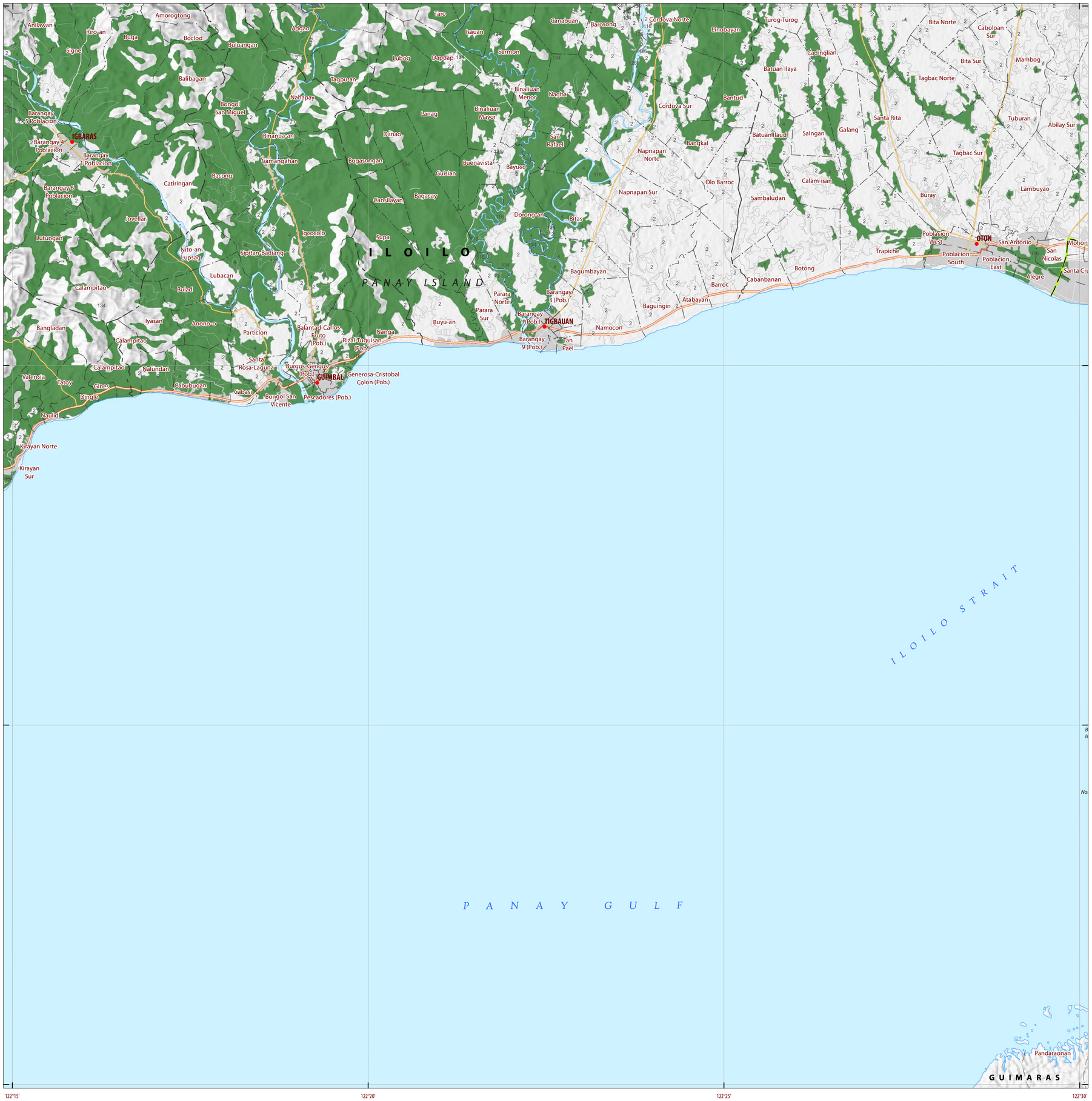

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118 Land use

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Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

Capital Town / Town

LAND USE

Built-up

Fishpond

Mangrove

ADJOINING SHEETS

3422-II

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3422-III 3422-II 3522-III

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REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
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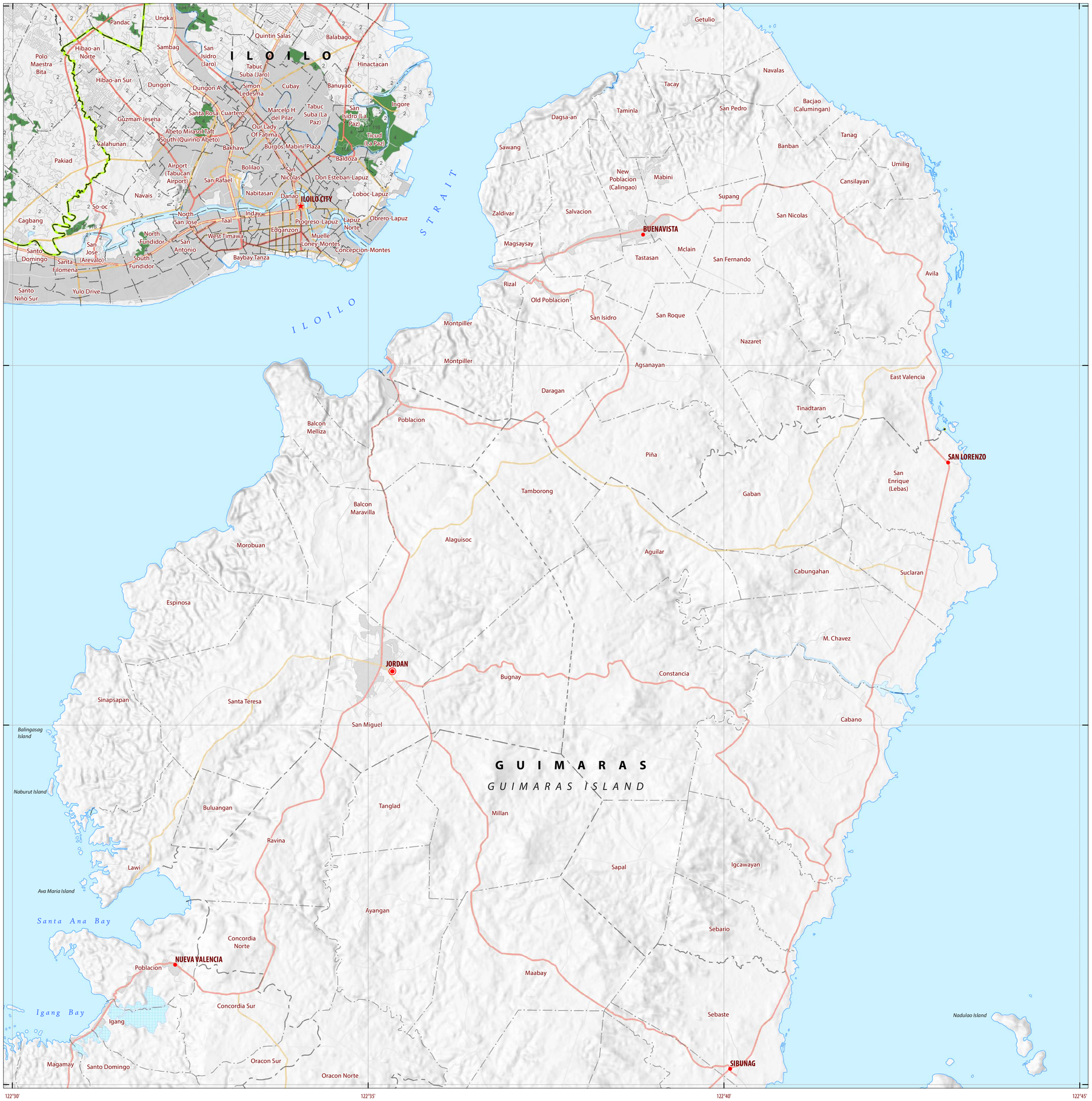

LAND SUITABILITY MAP ROBUSTA, LIBERICA AND EXCELSA COFFEE

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

N W E S

SCALE 1 : 50 000

0 0.5 1 2 3 4 5 Kilometers

0 0.5 1 2 3 Miles

Universal Transverse Mercator Zone 51 N. PRS 1992 Datum

DISCLAIMER : All political boundaries are not authoritative.

LEGEND

SUITABILITY CLASSES

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

S2 **Moderately Suitable** - Land having limitations which in aggregate are moderately severe for sustained application of a given use; the limitations will reduce productivity or benefits and increase required inputs to the extent that the overall advantage to be gained from the use, although still attractive, will be appreciably inferior to that expected on class S1 land.

S3 **Marginally Suitable** - 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

OTHER SIGNS

NGP Areas

Coffee

1 Land limitation

118 Land use

CONVENTIONAL SIGNS

ROADS

Expressway

Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Region

Province

District

Municipality

Barangay

HYDROLOGY

Sea / Shoreline

Lakes / Rivers

PLACES

Capital City / City

Capital Town / Town

LAND USE

Built-up

Fishpond

Mangrove

ADJOINING SHEETS

3522-III

3422-IV 3422-I 3522-IV 3522-I

3422-II 3522-III

INDEX MAP

MISCELLANEOUS INFORMATION

SOURCES OF INFORMATION : Topographic information taken from NAMRIA Topographic Map at 1:50,000 scale. Land resources information from the Agricultural Land Management and Evaluation Division (ALMED), Soils Survey Division (SSD) and Laboratory Services Division (LSD) of BSWM. Rice areas obtained from the Land Use System (FAO, 2015) and Philippine Rice Information System (PRISM) (IRRI, 2015). Data analysis and compilation through the **Land Resources Evaluation and Suitability Assessment of Strategic Production Areas for Major Commodities Project** implemented by BSWM (2017).

Project Leader : BERNARDO B. PASCUA
GIS and Cartography : IRVIN K. SAMALCA

Funding Agency : Department of Agriculture - Bureau of Agricultural Research (DA-BAR)
Collaborating Agencies : Philippine Council on Agriculture and Fisheries (PCAF)
: Department of Agriculture and Fisheries - ARMM, Department of Agriculture Regional Field Office of Region IX, X, XI, XII and XIII (Caraga)
: Local Government Unit (LGU) of covered provinces and municipalities

Map produced by the Geomatics and Soil Information Technology Division, Bureau of Soils and Water Management (BSWM).
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PROVINCE OF ILOILO

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LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

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S

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3321-I

3422-III 3422-II

3321-I

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