LAND SUITABILITY MAP

CACAO

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

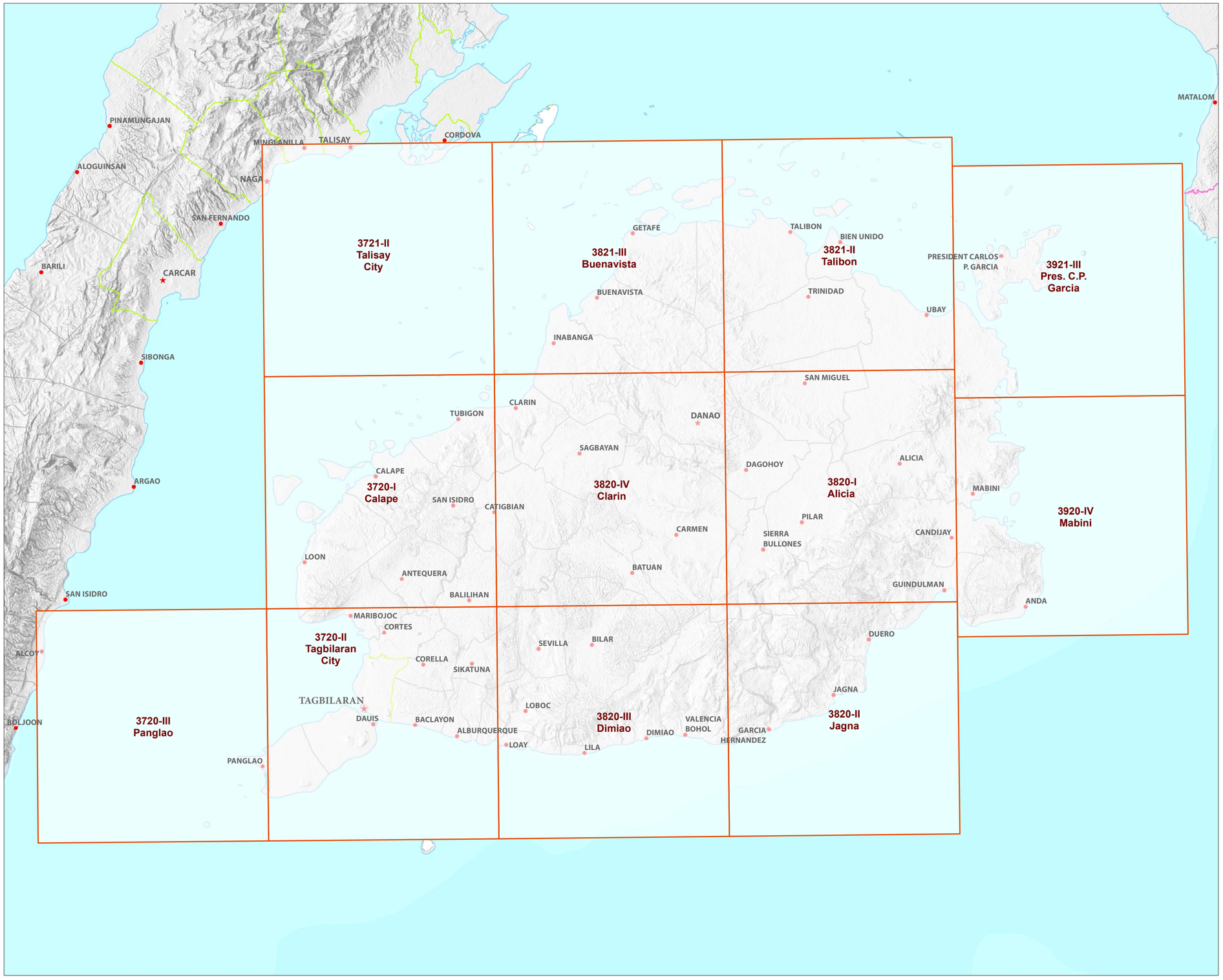
PROVINCE OF BOHOL

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*

MAP INDEX

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

PROVINCE OF BOHOL



LEGEND

Places

- Capital City
- City
- Capital Town
- Town

Administrative Boundary

- Regional
- Provincial
- City
- Municipal

Map Index

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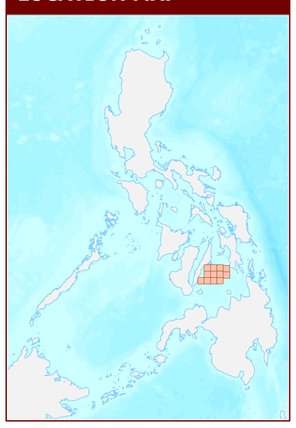
Topographic Relief

Bathymetry

LOCATION MAP



LAND SUITABILITY MAP FOR CACAO

LAND RESOURCES EVALUATION AND SUITABILITY ASSESSMENT OF STRATEGIC PRODUCTION AREAS

BOHOL, REGION VII

EXTENT OF SUITABILITY FOR CACAO PRODUCTION BY MUNICIPALITY

MUNICIPALITY	EXISTING CACAO (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		Other crops		
	S1	S2	S3		S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	
ALBURQUERQUE	-	-	-	-	1,906	40	18	40	106	-	245	-	-	-	-	-	2,355
ALICIA	-	-	-	-	2,368	365	119	93	1,380	45	568	-	722	-	-	-	5,660
ANDA	-	-	-	-	726	1,200	200	875	-	-	32	2	48	1	-	-	3,084
ANTEQUERA	-	-	-	-	2,725	32	2,011	61	1	-	69	-	18	-	-	-	4,917
BACLAYON	-	-	-	-	1,013	-	-	-	1,334	-	317	-	35	-	-	-	2,700
BALILIHAN	-	-	-	-	828	-	1,550	267	4,814	13	-	-	30	1	-	-	7,504
BATUAN	10	-	1	11	963	-	2,314	49	-	-	851	-	245	-	-	-	4,422
BIEN UNIDO	-	-	-	-	189	-	-	-	-	-	456	-	493	-	-	-	1,137
BILAR	-	-	5	5	1,512	96	1,180	227	9	205	741	44	311	16	-	-	4,341
BUENAVISTA	19	-	7	26	4,016	-	160	-	3,494	-	80	-	388	-	-	-	8,138
CALAPE	-	-	-	-	2,927	-	-	-	-	-	174	-	279	-	-	-	3,381
CANDIJAY	-	-	-	-	2,462	884	198	173	15	8	168	-	325	50	-	-	4,283
CARMEN	-	-	-	-	9,505	1,414	174	25	718	256	2,196	87	2,259	309	-	-	16,943
CATIGBIAN	4	-	2	6	3,182	2,172	1,694	206	-	-	145	686	203	236	-	-	8,524
CLARIN	-	-	-	-	2,049	268	-	-	-	-	150	536	112	65	-	-	3,180
CORELLA	-	-	-	-	563	4	130	37	2,242	-	-	-	4	-	-	-	2,980
CORTES	-	-	-	-	754	-	26	-	1,994	-	-	-	5	-	-	-	2,778
DAGOHOY	2	13	-	15	829	181	514	276	7	-	1,898	33	2,242	7	-	-	5,987
DANAO	11	-	1	12	3,628	794	36	151	928	88	902	71	381	66	-	-	7,043
DAUIS	-	-	-	-	280	-	2,376	-	537	-	26	-	92	-	-	-	3,309
DIMIAO	-	-	-	-	895	489	90	45	173	212	926	259	78	45	-	-	3,212
DUERO	-	-	2	2	541	461	-	1	-	-	125	17	34	6	-	-	1,185
GARCIA HERNANDEZ	-	-	-	-	674	930	30	464	175	200	220	109	90	14	-	-	2,906
GETAFE	-	-	-	-	3,269	-	-	-	1,532	-	9	-	753	-	-	-	5,564
GUINDULMAN	-	-	-	-	1,989	1,603	107	65	5	10	46	23	164	33	-	-	4,044
INABANGA	-	-	-	-	5,878	605	27	-	432	-	69	124	260	36	-	-	7,430
JAGNA	-	-	1	1	853	1,393	-	12	-	170	147	65	45	23	-	-	2,707
LILA	-	-	-	-	900	5	-	-	19	40	-	-	36	-	-	-	1,001
LOAY	-	-	-	-	1,684	5	2	-	32	2	31	-	22	-	-	-	1,779
LOBOC	-	-	-	-	1,464	126	88	52	50	258	454	81	47	4	-	-	2,625
LOON	-	-	-	-	3,980	431	657	203	-	-	791	27	357	-	-	-	6,446
MABINI	-	-	-	-	1,326	29	30	29	1,862	43	878	-	1,063	-	-	-	5,260
MARIBOJOC	-	-	-	-	2,601	16	482	62	-	-	11	-	16	-	-	-	3,187
PANGLAO	-	-	-	-	630	-	2,280	-	202	-	-	-	450	-	-	-	3,562
PILAR	-	-	5	5	1,226	280	8	43	56	-	3,061	68	2,155	30	-	-	6,926
PRES. CARLOS P. GARCIA	-	-	-	-	2,103	-	-	-	160	-	127	-	474	-	-	-	2,865
SAGBAYAN	3	10	-	13	572	3,843	337	68	-	-	129	1,160	81	613	-	-	6,803
SAN ISIDRO	-	-	-	-	2,348	146	619	21	-	-	83	-	14	1	-	-	3,232
SAN MIGUEL	5	-	3	8	2,815	32	94	10	662	22	3,543	7	2,334	48	-	-	9,567
SEVILLA	-	-	-	-	1,200	20	170	35	185	-	1,981	10	14	-	-	-	3,614
SIERRA BULLONES	-	-	-	-	2,495	762	171	132	-	-	555	285	749	19	-	-	5,168
SIKATUNA	-	3	5	8	1,806	17	244	56	140	11	4	-	3	-	-	-	2,282
TAGBILARAN CITY	-	-	-	-	325	-	-	-	1,355	-	-	-	3	-	-	-	1,683
TALIBON	1	-	-	1	4,802	-	246	-	2,092	-	860	-	2,296	-	-	-	10,295
TRINIDAD	4	-	-	4	1,590	-	21	-	1,646	-	4,975	9	3,447	-	-	-	11,687
TUBIGON	-	-	-	-	2,706	331	-	-	-	-	274	248	295	30	-	-	3,884
UBAY	5	-	5	10	2,479	-	-	-	1,957	-	5,263	-	6,791	-	-	-	16,490
VALENCIA	-	-	-	-	1,131	854	294	209	57	100	778	502	176	35	-	-	4,136
TOTAL	64	26	36	**126**	96,709	19,828	18,698	3,986	30,369	1,685	34,357	4,451	30,438	1,688	-	-	**242,206**

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 DEPTH (cm)	SOIL TEXTURE	SOIL DRAINAGE	SOIL REACTION (pH)	INHERENT FERTILITY	FLOODING CLASS	EROSION CLASS	ROCK OUTCROPS	ELEVATION (masl)	ANNUAL RAINFALL (mm)	CLIMATIC TYPE
Cacao	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	50 - 100	FSL, L, SiL	SPD,PD	5.1 - 5.5 7.3 - 7.8	medium	moderate	moderate	common	1000-1500	1000-2000	I, II
	S3	>30	<50	S, LS, CSL, SL	VPD,ED	<5.0 - > 7.9	low	severe	severe	many	>1500	<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 DEPTH (cm)
0 - 30 - very shallow
30 - 50 - shallow
50 - 100 - moderately deep
> 100 - deep to very deep

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

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

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

LAND LIMITATIONS DESCRIPTION AND COMBINATIONS

ELEVATION
El2 - 1000m - 1500m
El3 - > 1500m

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

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

SOIL TEXTURE
Tc - Coarse texture

SOIL DEPTH
Sh2 - Moderately deep (50 - 100cm)
Sh3 - Very shallow to shallow (< 50cm)

ROCK OUTCROPS
Rc2 - Common
Rc3 - Many

SOIL EROSION
E2 - Moderate erosion
E3 - Severe erosion

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.

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.

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.

CLIMATE TYPE

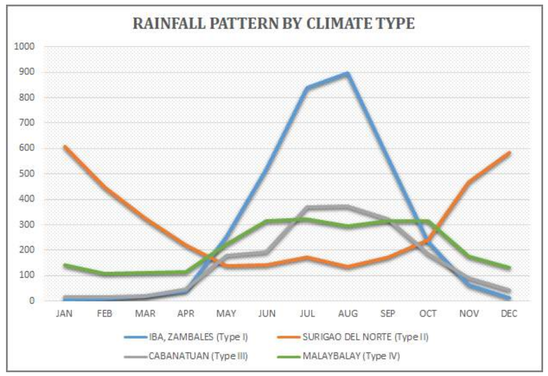
TYPE I : Two pronouced season, dry from November to April and wet during the rest of the year. Maximum rain period is from June to September

TYPE 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 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.

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

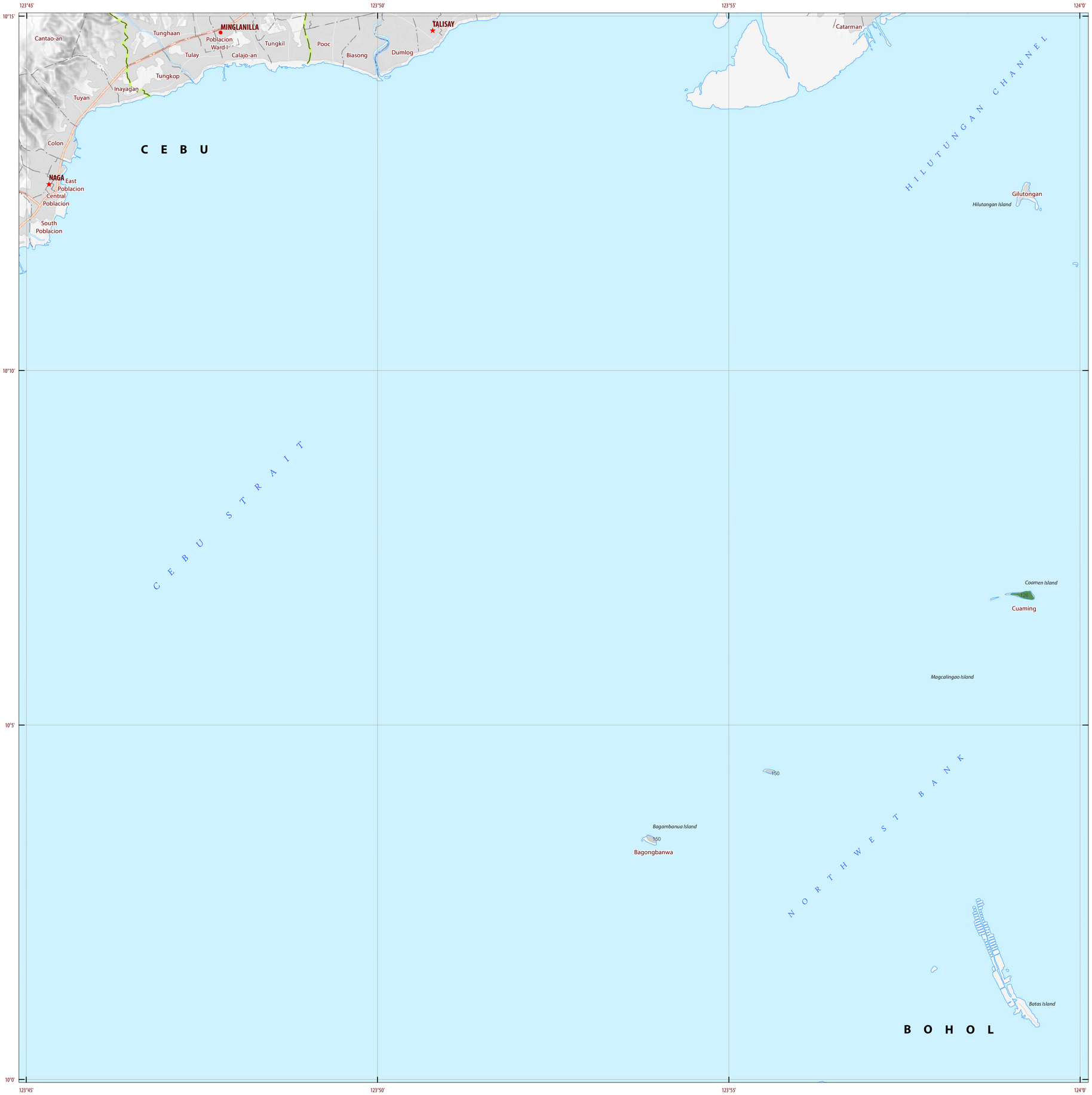
Province of Bohol is classified as climatic Type IV.



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-Sh2-Rc2	*11*	T2-E3-Rc2	*21*	T3-E3-Rc3
2	El2	*12*	T2-E3-Rc3	*22*	T3-E3-Sh2-Rc3
3	El2-E2-Sh2-Rc3	*13*	T2-E3-Sh2-Rc3	*23*	T3-E3-Sh3-Rc3
4	El2-E3-Rc3	*14*	T2-El2	*24*	T3-El2-E3-Rc2
5	El2-E3-Sh2-Rc3	*15*	T2-El2-E3-Rc3	*25*	T3-El2-E3-Sh2-Rc3
6	F2-D2	*16*	T2-El2-E3-Sh2-Rc3	*26*	T3-El2-E3-Sh3-Rc3
7	F3-D2	*17*	T2-F3-D2	*27*	T3-F3-D1
8	Sh2-Rc2	*18*	T3		
9	T2	*19*	T3-E3		
10	T2-E3	*20*	T3-E3-Rc2		

CODE	LAND USE
2	Rice paddy, non-irrigated
4	Corn
81	Coffee
82	Cacao
116	Coconut
126	Grassland
134	Shrubland, unmanaged



LAND SUITABILITY MAP CACAO

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
Cacao
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

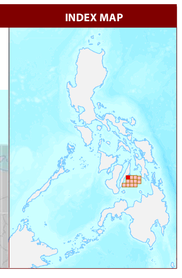
PLACES
Capital City / City
Capital Town / Town

LAND USE
Built-up
Fishpond
Mangrove

ADJOINING SHEETS

3721-II
3721-II
3821-III
3720-I
3820-IV

INDEX MAP



MISCELLANEOUS INFORMATION

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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 Regional Field Office of CAR, Region II, IV-A, IV-B, VI, VII, VIII, IX, X, XI, XII and CARAGA(XIII)
: Local Government Unit (LGU) of covered provinces and municipalities

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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 SUITABILITY MAP
CACAO

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

SUITABILITY CLASSES

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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
Cacao
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

3721-II | 3821-III | 3821-II
3720-I | 3820-IV | 3820-I

INDEX MAP

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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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SUITABILITY CLASSES

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- 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
- Cacao
- 1 / 116 — 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

3821-II

3821-III | 3821-II | 3921-III
3820-IV | 3820-I | 3920-IV

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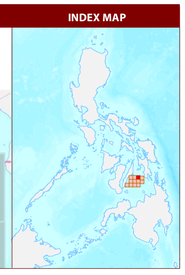

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Tel/Fax No.: (+632) 332-9534 E-mail : *bswmclientcenter@yahoo.com*

3921-III

PROVINCE OF BOHOL

Pres. C.P. Garcia

LAND SUITABILITY MAP
CACAO

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
Cacao
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

3921-III

3821-II
3921-III
3820-I
3920-IV

INDEX MAP

MISCELLANEOUS INFORMATION

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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 SUITABILITY MAP CACAO

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OTHER SIGNS

- NGP Areas
- Cacao
- 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
- Capital Town / Town

LAND USE
- Built-up
- Fishpond
- Mangrove

ADJOINING SHEETS

3720-I

3721-II | 3821-III
3720-I | 3820-IV
3720-III | 3720-II | 3820-III

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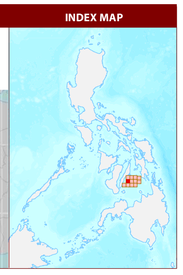

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LAND SUITABILITY MAP CACAO

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
Cacao
1 Land limitation
118 Land use

CONVENTIONAL SIGNS

ROADS
Expressway
Trunk line
Primary
Secondary
Tertiary

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Province
District
Municipality
Barangay

HYDROLOGY
Sea / Shoreline
Lakes / Rivers

PLACES
Capital City / City
Capital Town / Town

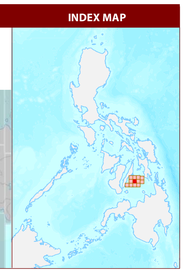
LAND USE
Built-up
Fishpond
Mangrove

ADJOINING SHEETS

3820-IV

3721-II	3821-III	3821-II
3720-I	3820-IV	3820-I
3720-II	3820-III	3820-II

INDEX MAP



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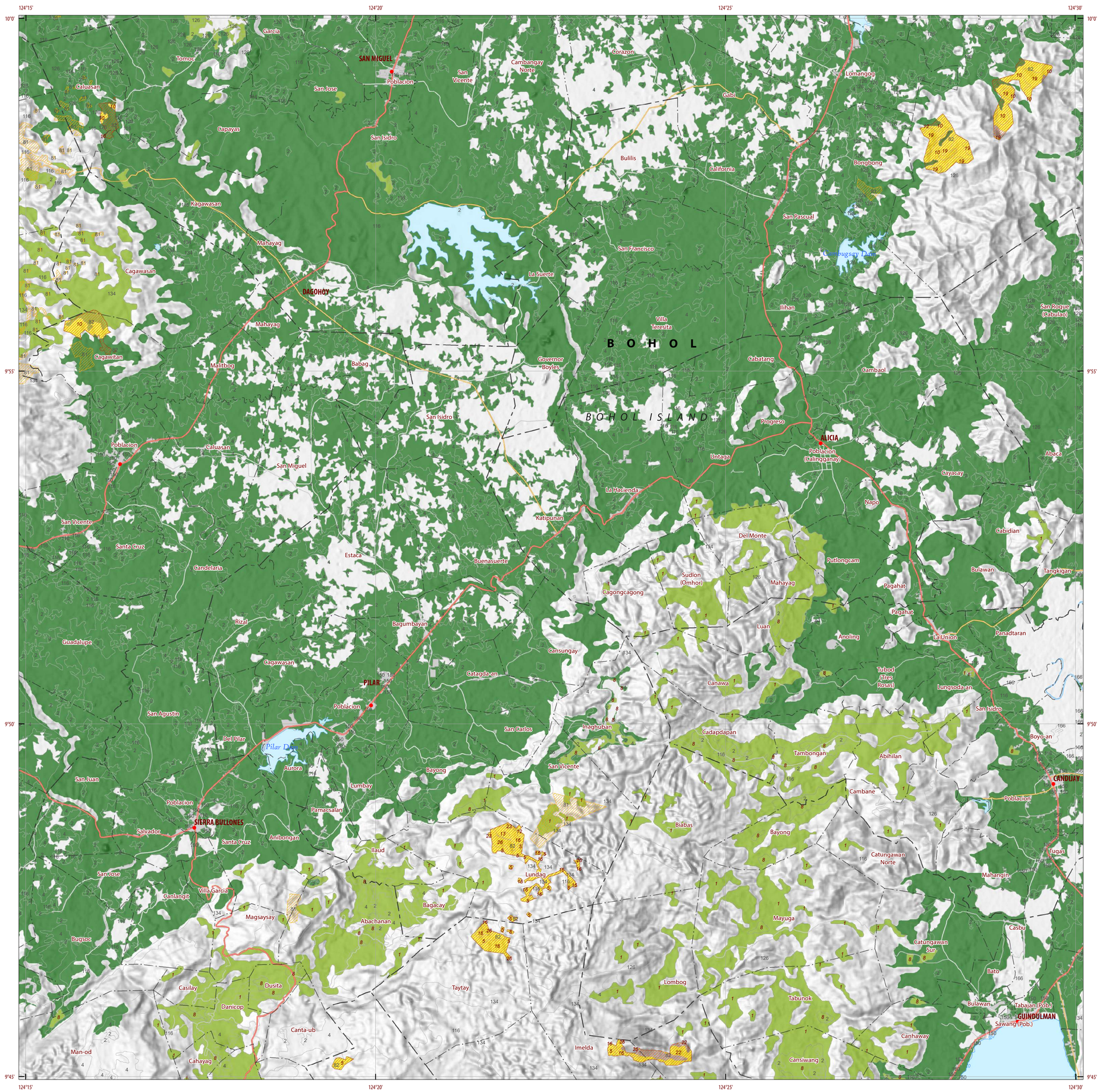

LAND SUITABILITY MAP
CACAO

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
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OTHER SIGNS

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- Cacao
- 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

3820-I

3821-III | 3821-II | 3921-III
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3820-III | 3820-II

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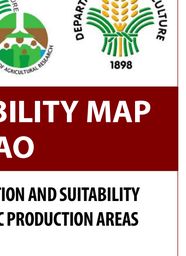

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LAND SUITABILITY MAP CACAO

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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OTHER SIGNS

NGP Areas
Cacao
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

3920-IV

3821-II | 3921-III
3820-I | 3920-IV
3820-II

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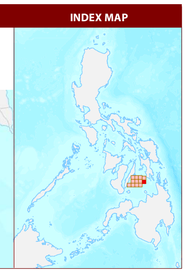

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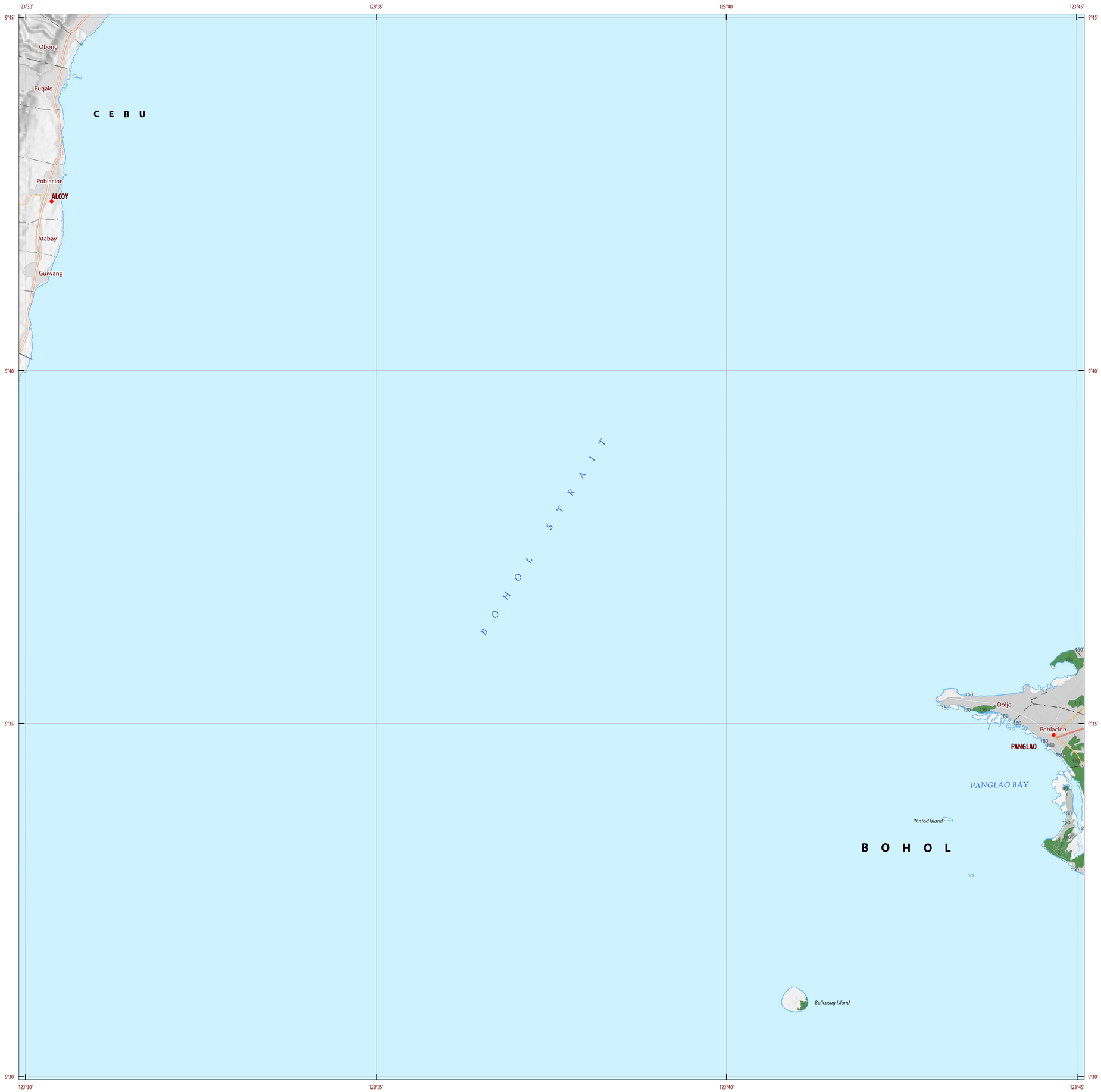

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118 Land use

CONVENTIONAL SIGNS

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Lakes / Rivers

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LAND USE
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3720-II

PROVINCE OF BOHOL

Tagbilaran City

LAND SUITABILITY MAP CACAO

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N W E S

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Mangrove

ADJOINING SHEETS

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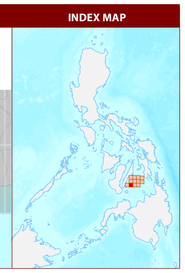

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3820-III

PROVINCE OF BOHOL

Dimiao

LAND SUITABILITY MAP
CACAO

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N
W E
S

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Land use

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PLACES
Capital City / City
Capital Town / Town

LAND USE
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Fishpond
Mangrove

ADJOINING SHEETS

3820-III

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3720-II | **3820-III** | 3820-II

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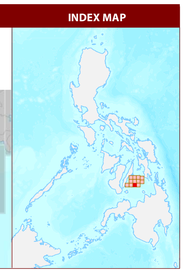

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REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
BUREAU OF SOILS AND WATER MANAGEMENT
SRDC Bldg., Elliptical Road Cor. Visayas Avenue, Diliman, Quezon City 1101
Tel/Fax No. : (+632) 332-9534 E-mail : *bswmclientcenter@yahoo.com*

LAND SUITABILITY MAP
CACAO

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
- Cacao
- 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

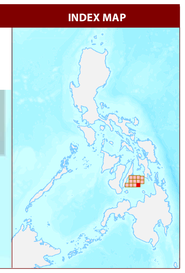
LAND USE
- Built-up
- Fishpond
- Mangrove

ADJOINING SHEETS

3820-II

3820-IV | 3820-I | 3920-IV
3820-III | 3820-II

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 Coffee and Cacao Project** implemented by BSWM (2017).

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

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

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