REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
BUREAU OF SOILS AND WATER MANAGEMENT
Elliptical Road Cor. Visayas Ave., Diliman, Quezon City

RICE SUITABILITY MAP

(Key Rice Areas)

PROVINCE OF CAGAYAN

SCALE 1:200,000

0 2 4 6 8 10 12 14 16 18 20
Kilometers

Projection : Transverse Mercator
Datum : Luzon 1911
DISCLAIMER : All political boundaries are not authoritative

121°0' 121°10' 121°20' 121°30' 121°40' 121°50' 122°0' 122°10' 122°20'
19°30' 19°20' 19°10' 19°0' 18°50' 18°40' 18°30' 18°20' 18°10' 18°0' 17°50' 17°40' 17°30'

Calayan
Babuyan Channel
WEST PHILIPPINE SEA
Claveria Bay
Claveria
Pasaleng Bay
Santa Praxedes
Sanchez Mira
Province of Ilocos Norte
Pamplona
Abulog
Ballesteros
Aparri
Buguey
Camalaniugan
Santa Ana
Pamacanan Bay
Gonzaga
Santa Teresita
Allacapan
Lal-lo
Province of Apayao
Lasam
Gattaran
Alcala
Santo Niño
Amulung
Rizal
Piat
Tuao
Iguig
Province of Kalinga
Solana
Penablanca
TUGUEGARAO
Enrile
Tuhuan Bay
PHILIPPINE SEA
Province of Isabela

LEGEND						
SUITABILITY RATING	DESCRIPTION	LIMITING FACTORS			AREA	
		Moderate	Marginal	Severe	ha	%
S1	Highly Suitable	-	-	-	556	0.43
S2d	Moderately Suitable	d	-	-	2,736	2.09
S2df		d,f	-	-	31,113	23.82
S2dxf		d,x,f	-	-	5,719	4.38
S2f		f	-	-	32,878	25.17
S2idf		i,d,f	-	-	11,801	9.03
S2idxf		i,d,x,f	-	-	1,758	1.35
S2if		i,f	-	-	11,797	9.03
S2ix		i,x	-	-	1,138	0.87
S2ixf		i,x,f	-	-	7,466	5.71
S2xf		x,f	-	-	15,158	11.60
S3dx	Marginally Suitable	f	d,x	-	1,117	0.86
S3dx		i,f	d,x	-	1,097	0.84
S3f		-	f	-	462	0.35
S3f		i	f	-	404	0.31
S3f		i,d	f	-	15	0.01
S3x		d,f	x	-	2,291	1.75
S3x		i,d,f	x	-	3,133	2.40
				TOTAL	130,638	100.00

Note:
Highly Suitable (S1) - with none to slight limitations for any given use. Slight limitations will not significantly reduce productivity or benefit nor raise inputs above an acceptable level.

Moderately Suitable (S2) - with limitations which are moderately severe for sustained application for a given use. Limitations will moderately reduce productivity or benefits. Requires increased input to the extent that the overall advantage to be gained will be inferior to that expected on S1 land.

Marginally suitable (S3) - with limitations which in aggregate are severe for sustained application of a given use and will significantly reduce productivity or benefits. Limitations will significantly increase required inputs, that this expenditure will only be marginally satisfied.

Not Suitable (N) - with severe limitations which are difficult to overcome in time or cannot be corrected at currently acceptable cost. Limitations are so severe that prevent successful sustained use of the land in the given manner.

LIMITING FACTORS	RATING ARRANGED IN INCREASING SEVERITY OF LIMITATION			
	Highly Suitable (S1)	Moderately Suitable (S2)	Marginally Suitable (S3)	Not Suitable (N)
Water Availability				
m - no dry months (<75mm)	0 - 3	4 - 6	7 - 9	>9
r - annual average rainfall (mm)	> 1500	1200 - 1500	800 - 1200	< 800
Temperature Regime				
t - annual average temperature (^{0}C)	25 - 29	30 - 32 22 - 24	33 - 35 18 - 21	> 35 < 18
Terrain				
s - slope (%)	0 - 3	3 - 8	8 - 18	>18
o - stoniness	none	slight	moderate	severe
e - erosion	none - slight	slight - moderate	moderate	severe
i - flooding	none - slight	slight - moderate	severe	-
Rooting Conditions				
d - soil drainage class	VPD - SPD	SPD - MWD	WD	SED - ED
x - soil texture	C, SC, SiC; CL, SCL SiCL	L, SiL, Si	SL, LS	S
h - soil depth (cm)	> 50	41 - 50	20 - 40	< 20
Nutrient Availability				
f - soil fertility	Moderately High to High (MH-H)	Moderately Low (ML)	Low (L)	-

LOCATION MAP

CONVENTIONAL SIGNS

ROADS	*BOUNDARY*	*HYDROLOGY*
Expressway	Regional	Rivers / Lake
Trunk line	Provincial	Shoreline
Primary	District	*PLACES*
Secondary	Municipal	Capital City / City
Tertiary		Capital Town / Town

MISCELLANEOUS INFORMATION

SOURCES OF INFORMATION : Topographic information taken from NAMRIA Topographic Map at a scale of 1:50,000. Elevation data taken from SRTM 1 arc-second global dataset (2015). Bathymetry information taken from British Oceanographic Centre. Fertility data gathered through the Bureau of Soils and Water Management (BSWM), National Soil Sampling and Testing for Fertility and Crop Suitability Assessment Project led by the Soils Survey Division (SSD) in 2016.

Users noting errors or omissions in this publication are requested to inform the BSWM, SRDC Bldg., Elliptical Rd., cor. Visayas Avenue, Diliman, Quezon City, Philippines or visit the BSWM website (http://www.bswm.da.gov.ph).

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