

RICE SUITABILITY MAP (Key Rice Areas) PROVINCE OF ISABELA

SCALE 1:156,000
0 2 4 6 8 10 12 14
Kilometers

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

LEGEND						
SUITABILITY RATING	DESCRIPTION	LIMITING FACTORS			AREA	
		Moderate	Marginal	Severe	ha	%
S1	Highly Suitable	-	-	-	4,772	2.60
S2d		d	-	-	2,212	1.20
S2df		df	-	-	18,368	9.99
S2dx		dx	-	-	3,540	1.93
S2dxf		d,xf	-	-	14,403	7.84
S2f	Moderately Suitable	f	-	-	64,865	35.29
S2i		i	-	-	221	0.12
S2idf		i,df	-	-	2,755	1.50
S2idf		i,d,xf	-	-	47	0.03
S2if		if	-	-	4,430	2.41
S2m		m	-	-	210	0.11
S2md		m,d	-	-	48	0.03
S2mdf		m,d,f	-	-	320	0.17
S2mdx		m,d,x	-	-	1,183	0.64
S2mdxf		m,d,x,f	-	-	8,770	4.77
S2mf		m,f	-	-	1,112	0.60
S2midf		m,i,df	-	-	315	0.17
S2midxf		m,i,d,xf	-	-	138	0.07
S2mif		m,i,f	-	-	175	0.10
S3f	Marginally Suitable	-	f	-	1,834	1.00
S3f		d	f	-	2,383	1.30
S3f		dx	f	-	95	0.05
S3f		id	f	-	141	0.08
S3f		m,d,x	f	-	935	0.51
S3x		d	x	-	2,946	1.60
S3x		df	x	-	39,652	21.57
S3x		i,df	x	-	129	0.07
S3x		m,df	x	-	4,003	2.18
S3x		m,i,df	x	-	797	0.43
S3xf		d	xf	-	2,156	1.17
S3xf		m,d	xf	-	857	0.47
TOTAL					183,812	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 present successful sustained use of the land is 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 w - no dry months (12mm) r - annual average rainfall (mm)	0 - 3 > 1500	4 - 6 1200 - 1500	7 - 9 800 - 1200	> 9 < 800	
Temperature Regime t - annual average temperature (°C)	25 - 29	30 - 32 22 - 24	33 - 35 18 - 21	> 35 < 18	
Terrain s - slope (%) e - erosion i - flooding	0 - 3 none none - slight	3 - 8 slight slight - moderate	8 - 18 moderate moderate - severe	> 18 severe	
Rooting Conditions d - soil drainage class x - soil texture	SPD - SPD C, SC, SCL SCL	SPD - SPD L, SL, S	WD SL, LS	SD - SD	
h - soil depth (cm)	> 50	41 - 50	20 - 40	< 20	
Nutrient Availability f - soil fertility	Moderately High (no high data)	Moderately Low (no high data)	Low (L)	-	

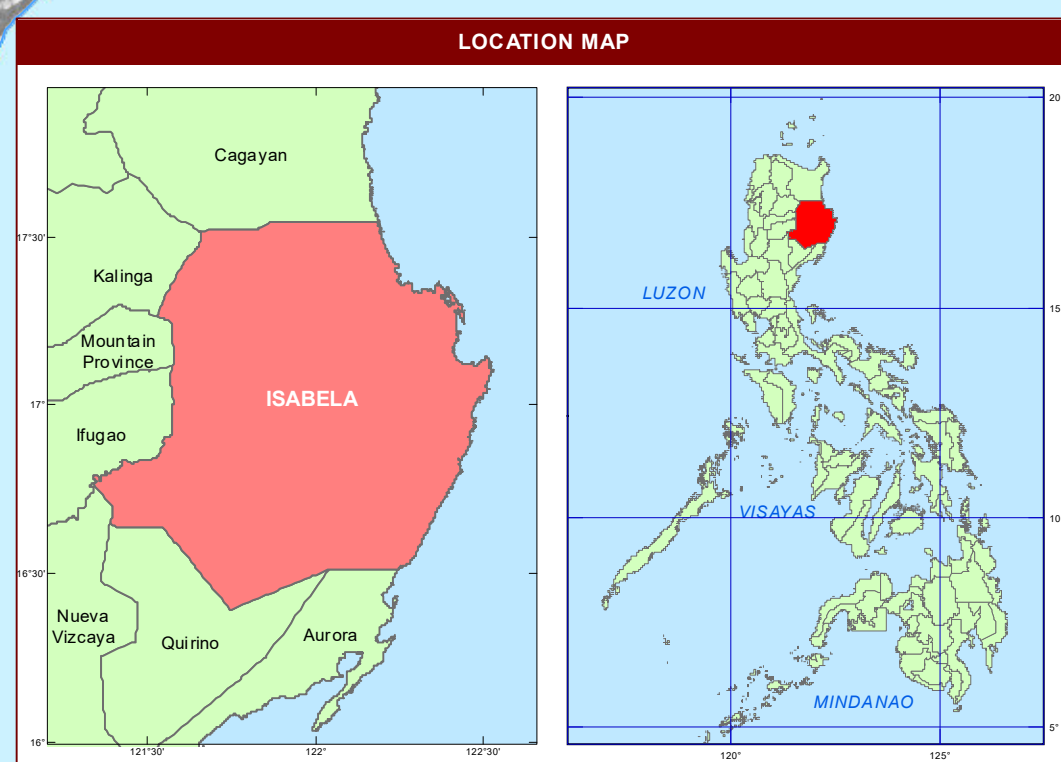
MISCELLANEOUS INFORMATION

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 (2010). 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 Soil 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>

Copyright © 2016. All rights reserved to the Bureau of Soils and Water Management. No part of this publication may be reproduced, stored in a retrieval system or published without written consent from the BSWM.

Prepared and produced by the GEOMATICS AND SOIL INFORMATION TECHNOLOGY DIVISION, BSWM.



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