

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 LA UNION

SCALE 1:65,000

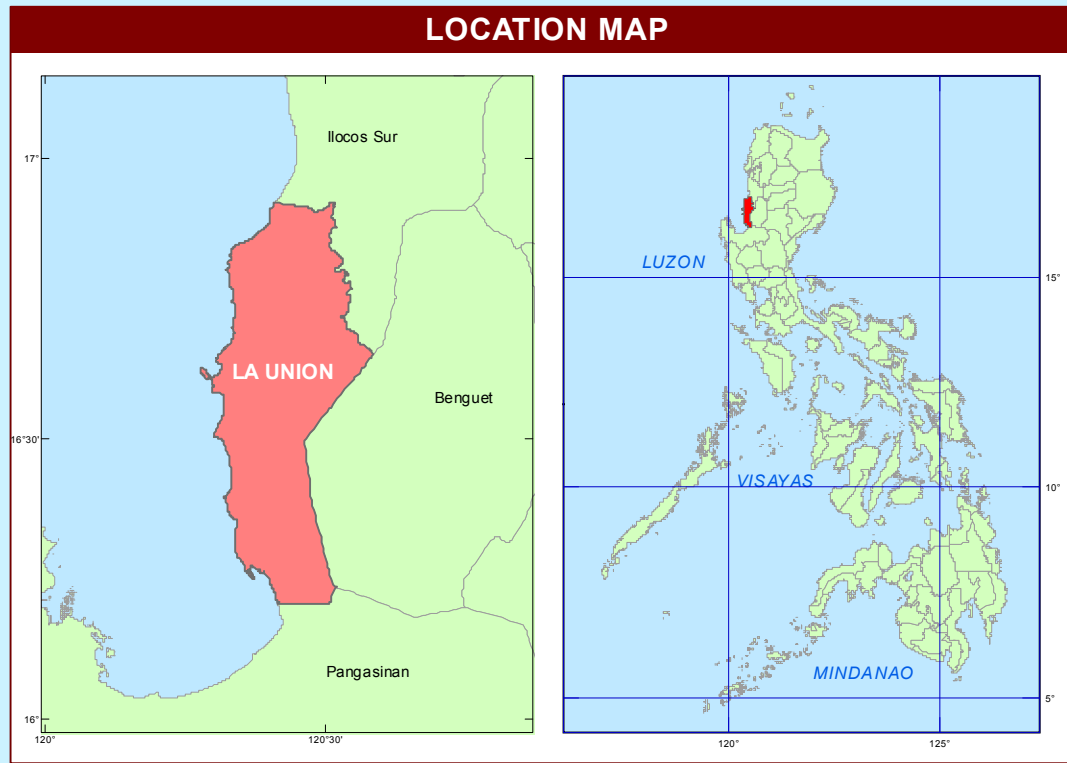
0 1 2 3 4 5 Kilometers

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	-	-	-	340	1.23
S2df		d,f	-	-	748	2.71
S2f		f	-	-	3,627	13.13
S2i		i	-	-	181	0.66
S2idf		i,d,f	-	-	90	0.33
S2if		i,f	-	-	1,179	4.27
S2ixf		i,x,f	-	-	117	0.42
S2m		m	-	-	393	1.42
S2md		m,d	-	-	372	1.35
S2mdf		m,d,f	-	-	2,871	10.39
S2mf		m,f	-	-	10,254	37.13
S2mi		m,i	-	-	30	0.11
S2midf		m,i,d,f	-	-	957	3.46
S2mif		m,i,f	-	-	2,224	8.05
S2mix		m,i,x	-	-	98	0.35
S2mixf		m,i,x,f	-	-	574	2.08
S2mx		m,x	-	-	66	0.24
S2mxf		m,x,f	-	-	888	3.22
S2xf		x,f	-	-	221	0.80
Ndx	Not Suitable	-	-	d, x	99	0.36
Ndx		f	-	d, x	647	2.34
Ndx		i,f	-	d, x	350	1.27
Ndx		m	-	d, x	29	0.10
Ndx		m,f	-	d, x	206	0.75
Ndx		m,i	-	d, x	183	0.66
Ndx		m,i,f	-	d, x	876	3.17
TOTAL ...					27,620	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 yields 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 offset.
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) r - annual average rainfall (mm)	0 - 3 > 300	4 - 6 100 - 300	7 - 9 60 - 100	9+ < 60
Temperature Regime t - annual average temperature (°C)	25 - 29	30 - 32 22 - 24	33 - 35 18 - 21	> 35 < 18
Terrain s - slope (%) o - stoniness e - erosion f - flooding	0 - 3 none none - slight	3 - 8 slight slight - moderate	8 - 18 moderate moderate - severe	> 18 severe severe
Flooding Conditions d - soil drainage class	VPD - SPD C, SC, SCL, SCL	SPD - MWD L, SL, S	WD SL, LS	ED S
Soil texture x - soil depth (cm)	> 50	41 - 50	20 - 40	< 20
Nutrient Availability f - soil fertility	Moderately high (H+H)	Moderately Low (L)	Low (L)	-



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

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 digital dataset (2011). 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 www.bsrm.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.