
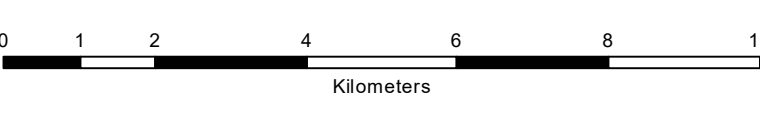


REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
**BUREAU OF SOILS AND
WATER MANAGEMENT**
Elliptical Road, cor. Visayas Ave., Diliman, Quezon City

RICE SUITABILITY MAP
(Key Rice Areas)
PROVINCE OF ILOCOS SUR

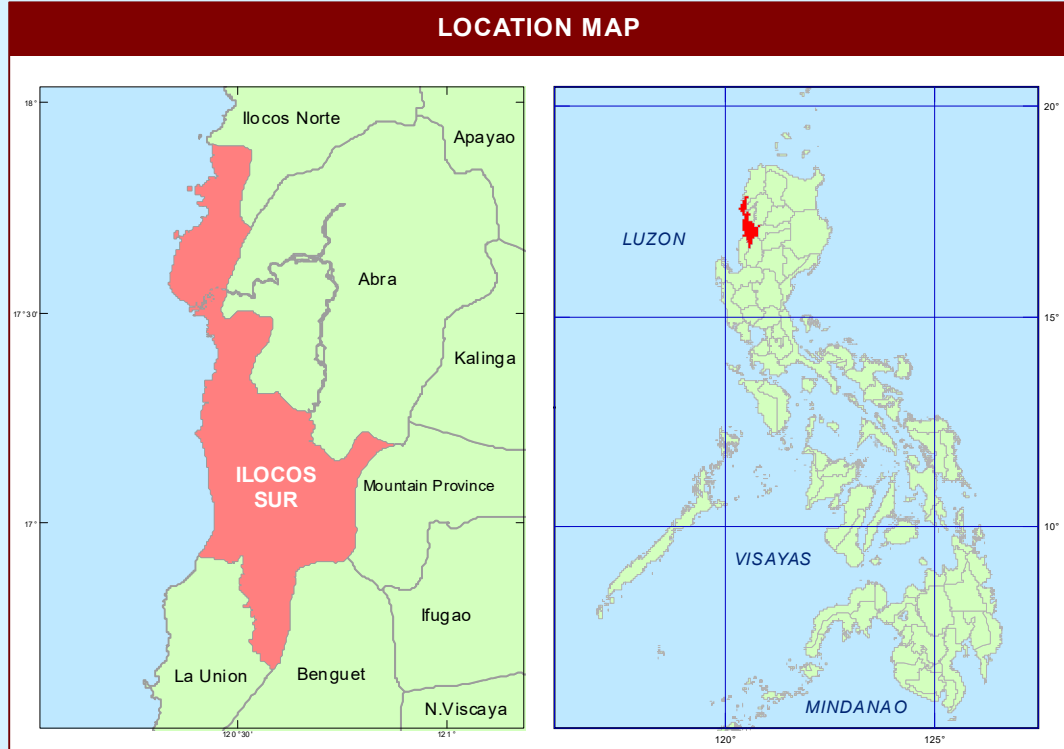

SCALE 1 : 100 , 000


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	-	-	-	138 0.32	
S2sf		d,f	-	-	1,966 4.58	
S2mrf		d,x,f	-	-	559 1.30	
S3f		f	-	-	3,849 8.98	
S3i		i	-	-	1,042 2.43	
S2idf		i,d,f	-	-	137 0.32	
S2mdf		i,d,x,f	-	-	168 0.39	
S2f		i,f	-	-	361 0.84	
S2m		m	-	-	384 0.90	
S2md		m,d	-	-	850 1.98	
S2mdf		m,d,f	-	-	11,090 25.86	
S2mdx		m,d,x	-	-	706 1.65	
S2mdxf		m,d,x,f	-	-	5,765 13.44	
S2mf		m,f	-	-	9,483 22.11	
S2mi		m,i	-	-	185 0.43	
S2mid	Moderately Suitable	m,i,d	-	-	975 2.27	
S2midf		m,i,d,f	-	-	2,628 6.13	
S2midx		m,i,d,x	-	-	59 0.14	
S2midxf		m,i,d,x,f	-	-	381 0.89	
S2mrf		m,i,f	-	-	693 1.62	
S3f		d,x	f	-	41 0.10	
S3f		m	f	-	44 0.10	
S3x		d,f	x	-	202 0.47	
S3x		m,d,f	x	-	240 0.56	
N1x		Not Suitable	m	-	d,x	59 0.14
N1x			m,f	-	d,x	85 0.20
N1x			m,i	-	d,x	571 1.33
N1x			m,i,f	-	d,x	224 0.52
N1x						
TOTAL				42,485	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 w - no dry months (w/5mm) 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 (%) a - stoniness c - erosion f - flooding	0 - 3 none none - slight	3 - 8 slight slight - moderate	8 - 18 moderate moderate - severe	> 18 severe severe
Rooting Conditions d - soil drainage class	VPD - SPD	SPD - MWD	WD	SED - ED
x - soil texture	C, SC, SIC, CL, SIL, SIC	L, SIL, SI	SL, LS	S
b - soil depth (cm)	> 50	41 - 50	30 - 40	< 30
Nutrient Availability f - soil fertility	Moderately High to High (4461-61)	Moderately Low (1-50)	Low (2)	-



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). Demographic information taken from Philippine Statistical Authority (PSA) 2015 Census of Population and Housing. Soil data gathered through the Bureau of Soils and Water Management (BSWM) National Sampling and Mapping for Fertility and Crop Suitability Assessment Project led by the Soils Survey Division (SSD) in 2016.
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