

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 BULACAN



SCALE 1:90,000

012468

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	-	-	-	2,804	4.30
S2d		d	-	-	6,582	10.10
S2i		i	-	-	1,795	2.75
S2id		i,d	-	-	5,188	7.96
S2ix		i,x	-	-	2,969	4.55
S2m		m	-	-	10,007	15.35
S2md		m,d	-	-	3,777	5.79
S2mdx		m,d,x	-	-	801	1.23
S2mi		m,i	-	-	396	0.61
S2mid		m,i,d	-	-	1,053	1.62
S2mix		m,i,x	-	-	866	1.33
S2mod		m,o,d	-	-	1,457	2.24
S2moid		m,o,i,d	-	-	580	0.89
S2mse		m,s,e	-	-	602	0.92
S2msed		m,s,e,d	-	-	1,884	2.89
S2msedx		m,s,e,d,x	-	-	104	0.16
S2msei		m,s,e,i	-	-	215	0.33
S2mseid		m,s,e,i,d	-	-	284	0.44
S2mseix		m,s,e,i,x	-	-	486	0.75
S2mseix		m,s,e,x	-	-	581	0.89
S2mx		m,x	-	-	5,980	9.17
S2od	Moderately Suitable	o,d	-	-	394	0.60
S2oi		o,i	-	-	1,023	1.57
S2oid		o,i,d	-	-	1,253	1.92
S2se		s,e	-	-	215	0.33
S2sed		s,e,d	-	-	2,501	3.84
S2sei		s,e,i	-	-	580	0.89
S2seid		s,e,i,d	-	-	826	1.27
S2seix		s,e,i,x	-	-	1,491	2.29
S2x		x	-	-	6,514	9.99
S3f	Marginally Suitable	i,d	f	-	342	0.53
S3f		s,e	f	-	313	0.48
S3f		s,e,x	f	-	303	0.47
S3f		s,e,d	f	-	434	0.67
S3f		s,e,i	f	-	50	0.08
S3f		m	f	-	157	0.24
S3f		m,i	f	-	105	0.16
S3f		m,s,e,d	f	-	209	0.32
S3f		m,s,e,i,x	f	-	70	0.11
TOTAL					65,194	100.00

Area estimated based on actual field survey, other information from DA-RTO's, MA's, NIA service area, NAMRIA Land Cover (2010) and BSWM Land Use System Map

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 (°C)	25 - 29	30 - 32	33 - 35	> 35
		22 - 24	18 - 21	< 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
f - flooding	none - slight	slight - moderate	moderate	severe
Rooting Conditions				
d - soil drainage class	VPD - SPD	SPD - MWD	WD	SED - ED
	C, SC, SIC, SCL	L, SIL, SI	SL, LS	S
x - soil texture	> 50	41 - 50	20 - 40	< 20
h - soil depth (cm)				
Nutrient Availability	Moderately High to High (MH - H)	Moderately Low (ML)	Low (L)	-
f - soil fertility				

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.

CONVENTIONAL SIGNS

ROADS

Expressway

Trunk line

Primary

Secondary

Tertiary

BOUNDARY

Regional

Provincial

District

Municipal

HYDROLOGY

Rivers / Lake

Shoreline

PLACES

Capital City / City

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 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>).

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