



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 KALINGA

SCALE 1 : 75 , 000

Projection : Transverse Mercator

Datum : Luzon 1911

DISCLAIMER: All political boundaries are not authoritative

LOCATION MAP



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

| LEGEND | | | | | | |
|--------------------|---------------------|------------------|----------|--------|--------|-------|
| SUITABILITY RATING | DESCRIPTION | LIMITING FACTORS | | | AREA | |
| | | Moderate | Marginal | Severe | ha | % |
| S3t | Marginally Suitable | m,f | t | - | 407 | 2.01 |
| S3t | | m,d,f | t | - | 490 | 2.42 |
| S3t | | m,d,x,f | t | - | 519 | 2.57 |
| S3tf | | m | t,f | - | 5,406 | 26.75 |
| S3tf | | m,d | t,f | - | 7,601 | 37.62 |
| S3tf | | m,d,x | t,f | - | 1,507 | 7.46 |
| S3tx | | m,d,f | t,x | - | 237 | 1.17 |
| S3txf | | m,d | t,x,f | - | 4,040 | 19.99 |
| TOTAL | | | | 20,207 | 100.00 | |

| 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 (<75mm) r - annual average rainfall (mm) | D - 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 (%) o - stoniness e - erosion l - flooding | 0 - 3 none none - slight none - slight | 3 - 8 slight slight - moderate slight - moderate | 8 - 18 moderate moderate severe | >18 severe severe - |
| Rooting Conditions d - soil drainage class | VPO - 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 (M4 - H) | Moderately Low (M3) | 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 (2015). Bathymetry information taken from British Oceanographic Centre-Forefly 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.

Please notify errors or omissions in this publication are requested to inform the BSWM-SDOC ENIG, Elliptical Rd. cor. Visayas Avenue, Diliman, Quezon City, Philippines or visit the BSWM website (<https://www.bswm.dea.gov.ph/>).

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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.