REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
**BUREAU OF SOILS AND WATER MANAGEMENT**
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# RICE SUITABILITY MAP

## ( Key Rice Areas )

## PROVINCE OF NUEVA VIZCAYA

SCALE 1:95,000

0 1 2 3 4 5 6 7 8
Kilometers

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

120°50' 121°0' 121°10' 121°20'
16°40' 16°30' 16°20' 16°10' 16°0' 15°50'

Province of Ifugao
Province of Isabela
Province of Benguet
Province of Quirino
Province of Pangasinan
Province of Nueva Ecija
Province of Aurora

Lamut
Diadi
Villaverde
Bagabag
Ambaguio
Solano
BAYOMBONG
Quezon
Bambang
Kayapa
Kasibu
Dupax Del Norte
Aritao
Dupax del Sur
Santa Fe
Alfonso Castaneda

S1 S2f S2df S2dx S2if S2ixf S3f

***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.*

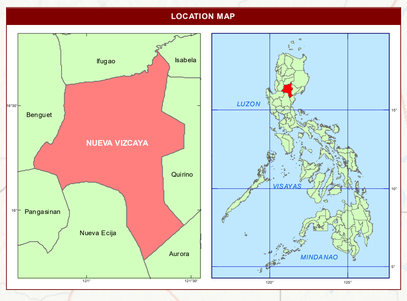
*Not Suitable (N) - with severe limitations which are difficult to overcome in time or cannot be corrected at currently acceptable cost. Limitations are so severe that prevent successful sustained use of the land in the given manner.*

| LIMITING FACTORS | RATING ARRANGED IN INCREASING SEVERITY OF LIMITATION | | | |
|---|---|---|---|---|
| | Highly Suitable (S1) | Moderately Suitable (S2) | Marginally Suitable (S3) | Not Suitable (N) |
| **Water Availability** | | | | |
| **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 ($^0$C ) | 25 - 29 | 30 - 32<br>22 - 24 | 33 - 35<br>18 - 21 | > 35<br>< 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 |
| **i** - flooding | none - slight | slight - moderate | severe | - |
| Rooting Conditions | | | | |
| **d** - soil drainage class | VPD - 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 (MH-H) | Moderately Low (ML) | Low (L) | - |

**LEGEND**

| SUITABILITY RATING | DESCRIPTION | LIMITING FACTORS | | | AREA | |
|---|---|---|---|---|---|---|
| | | Moderate | Marginal | Severe | ha | % |
| S1 | Highly Suitable | - | - | - | 3,278 | 9.8 |
| S2d | Moderately Suitable | d | - | - | 34 | 0.1 |
| S2df | | d,f | - | - | 3,187 | 9.53 |
| S2dx | | d,x | - | - | 587 | 1.76 |
| S2f | | f | - | - | 21,836 | 65.29 |
| S2i | | i | - | - | 1,989 | 5.95 |
| S2if | | i,f | - | - | 2,406 | 7.19 |
| S2ixf | | i,x,f | - | - | 37 | 0.11 |
| S3f | Marginally Suitable | i | f | - | 91 | 0.27 |
| | | | | ***TOTAL*** | **33,445** | **100.00** |

**LOCATION MAP**




**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 |

**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 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 (http://www.bswm.da.gov.ph).

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