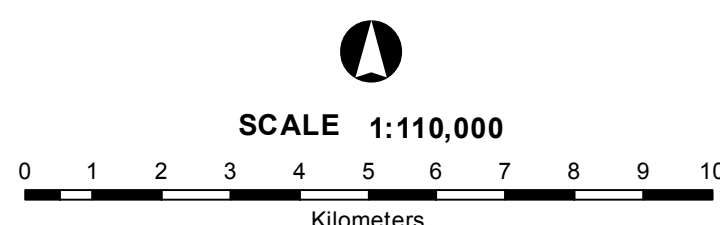


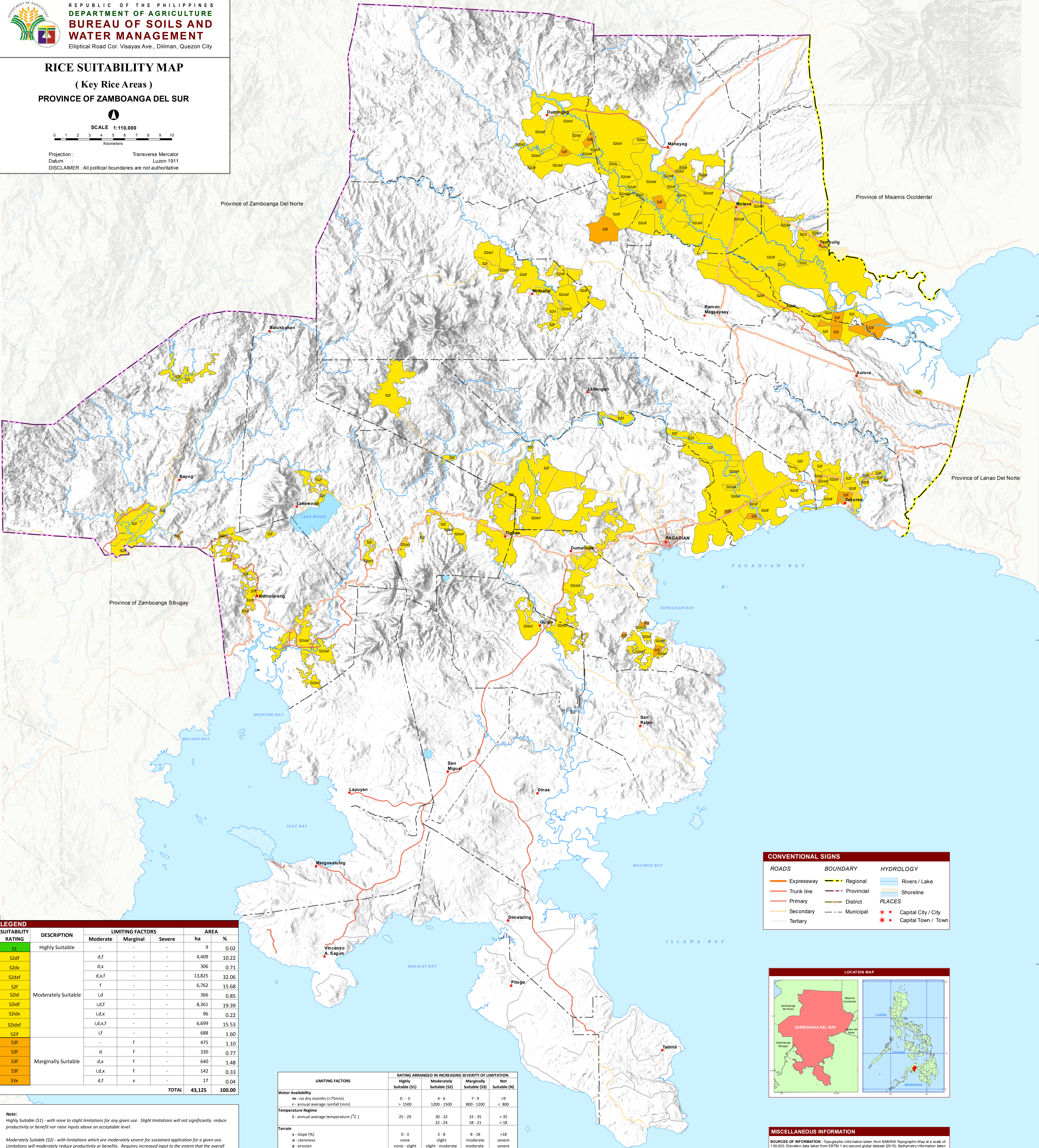


REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE  
**BUREAU OF SOILS AND  
WATER MANAGEMENT**  
Elliptical Road Cor. Visayas Ave., Diliman, Quezon City

**RICE SUITABILITY MAP**  
( Key Rice Areas )  
**PROVINCE OF ZAMBOANGA DEL SUR**



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

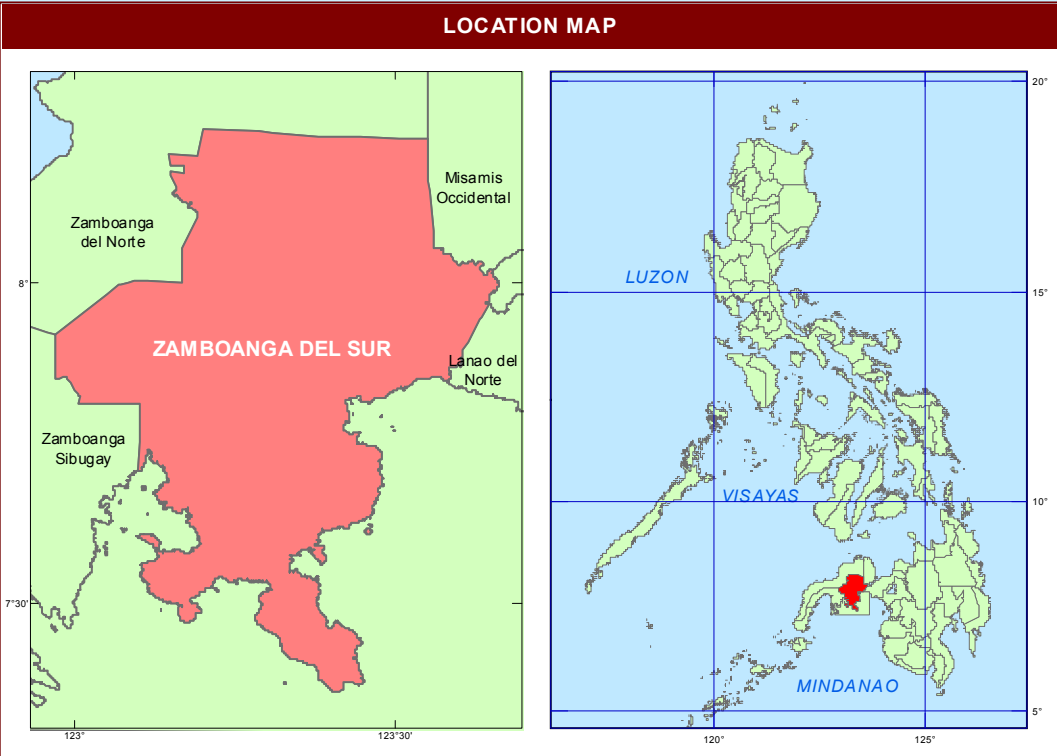


| LEGEND             |                     |                  |          |        |        |        |
|--------------------|---------------------|------------------|----------|--------|--------|--------|
| SUITABILITY RATING | DESCRIPTION         | LIMITING FACTORS |          |        | AREA   |        |
|                    |                     | Moderate         | Marginal | Severe | ha     | %      |
| S1                 | Highly Suitable     | -                | -        | -      | 9      | 0.02   |
| S2df               | Moderately Suitable | d,f              | -        | -      | 4,409  | 10.22  |
| S2dx               |                     | d,x              | -        | -      | 306    | 0.71   |
| S2dxf              |                     | d,x,f            | -        | -      | 13,825 | 32.06  |
| S2f                |                     | f                | -        | -      | 6,762  | 15.68  |
| S2id               |                     | i,d              | -        | -      | 366    | 0.85   |
| S2idf              |                     | i,d,f            | -        | -      | 8,361  | 19.39  |
| S2idx              |                     | i,d,x            | -        | -      | 96     | 0.22   |
| S2idxf             |                     | i,d,x,f          | -        | -      | 6,699  | 15.53  |
| S2if               |                     | i,f              | -        | -      | 688    | 1.60   |
| S3f                |                     | -                | f        | -      | -      | 475    |
| S3f                | Marginally Suitable | d                | f        | -      | 330    | 0.77   |
| S3f                |                     | d,x              | f        | -      | 640    | 1.48   |
| S3f                |                     | i,d,x            | f        | -      | 142    | 0.33   |
| S3x                |                     | d,f              | x        | -      | 17     | 0.04   |
| TOTAL              |                     |                  |          |        | 43,125 | 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<br>m - no dry months (<75mm)<br>r - annual average rainfall (mm)      | 0 - 3<br>> 1500                                      | 4 - 6<br>1200 - 1500                                      | 7 - 9<br>800 - 1200                      | > 9<br>< 800                       |
| Temperature Regime<br>t - annual average temperature (°C)                                | 25 - 29  | 30 - 32<br>22 - 24  | 33 - 35<br>18 - 21                       | > 35<br>< 18                       |
| Terrain<br>s - slope (%)<br>o - stoniness<br>e - erosion<br>i - flooding                 | 0 - 3<br>none<br>none - slight<br>none - slight      | 3 - 8<br>slight<br>slight - moderate<br>slight - moderate | 8 - 18<br>moderate<br>moderate<br>severe | > 18<br>severe<br>severe<br>severe |
| Rooting Conditions<br>d - soil drainage class<br>x - soil texture<br>h - soil depth (cm) | VPD - SPD<br>C, SC, SIC,<br>CL, SCL, I,<br>> 50      | SPD - MWD<br>L, SL, SI<br>41 - 50                         | WD<br>SL, LS<br>20 - 40                  | SED - ED<br>S<br>< 20              |
| Nutrient Availability<br>f - soil fertility  | Moderately High<br>to High (100-150)                 | Moderately Low<br>(50-100)                                | Low (L)<br>(10-50)                       | -                                  |

| CONVENTIONAL SIGNS |                 |                     |
|--------------------|-----------------|---------------------|
| <b>ROADS</b>       | <b>BOUNDARY</b> | <b>HYDROLOGY</b>    |
| Expressway         | Regional        | Rivers / Lake       |
| Trunk line         | Provincial      | Shoreline           |
| Primary            | District        | <b>PLACES</b>       |
| 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 (2010); 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.de.gov.ph>).  
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