



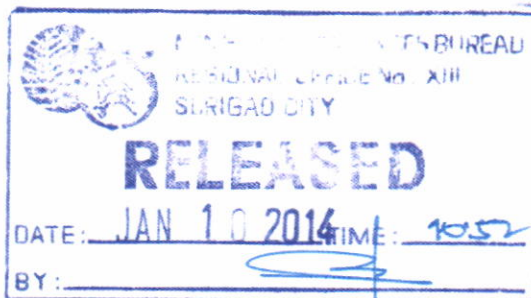
Republic of the Philippines
 Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
 Regional Office No. XIII

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January 9, 2014

RD-G-14-01-10

HONORABLE GLENN M. PLAZA
 Municipal Mayor
 Municipality of Sta. Josefa
 Province of Agusan del Sur



Dear Hon. Mayor Plaza:

Respectfully furnishing your end the document entitled "Results of the MGB Landslide and Flood Assessment and Mapping (1:10,000 scale) of the Municipality of Sta. Josefa Agusan del Sur". The assessment is in line with the government's effort aimed at reducing, if not totally mitigating the destructive effects and impacts of natural hazards to the populace.

The Office expresses its deep gratitude for the support and assistance rendered to the Geohazard Mapping and Assessment Team of our Regional Office during the conduct of the field survey.

We look forward to a continuing partnership and collaboration with the LGU of Sta. Josefa, Agusan del Sur in the nation's overall disaster risk reduction program.

Very truly yours,

BY THE AUTHORITY OF THE REGIONAL DIRECTOR:


NOLI N. ARREZA
 OIC, Mine Management Division



GSD-13-01-Ghz-10

Cc: **DIRECTOR, MGB CO**
HON. GOVERNOR, Agusan del Sur
HON. REPRESENTATIVE, 2nd District, ADS
Office of Civil Defense, RDRRMC Caraga

REGIONAL EXECUTIVE DIRECTOR, DENR, R-XIII
PENRO, Agusan del Sur
CENRO, Bunawan, ADS
REGIONAL DIRECTOR, DILG-Caraga

RESULTS OF THE MGB LANDSLIDE AND FLOOD ASSESSMENT AND MAPPING (1:10,000 SCALE) OF THE MUNICIPALITY OF STA. JOSEFA, PROVINCE OF AGUSAN DEL SUR

The Mines and Geosciences Bureau-Department of Environment and Natural Resources (MGB-DENR) conducted landslide and flood assessment and mapping (1:10,000 scale) of areas within the municipality of Sta. Josefa on October 10-18, 2013. The assessment is in line with the government's efforts aimed at reducing, if not, totally mitigating the destructive effects and impacts of natural hazards on the populace. Comprising the geohazard assessment team are Joel A. Calugcugan, Melvin A. Mantilla, Elaine L. Galido, geologists from MGB – Caraga Region XIII with the assistance of GSD personnel Mr. Evangelino M. Morales, Jr., Dionesio A. Surigao and Julius A. Sulapas.

The MGB-DENR particularly covered the following areas:

- Puroks 1 to 24 in Barangay Angas
- Puroks 1 to 15 in Barangay Aurora
- Puroks 1 to 11 in Barangay Awao
- Puroks 1 to 5 in Barangay Concepcion
- Puroks 1 to 7 in Barangay Pag-asa
- Puroks 1 to 8 in Barangay Patrocinio
- Puroks 1 to 12 in Barangay Poblacion
- Puroks 1 to 7 in Barangay San Jose
- Puroks 1 to 11 in Barangay Santa Isabel
- Puroks 1 to 10 in Barangay Sayon
- Puroks 1 to 9 in Barangay Tapaz

The assessed areas were rated as having low, moderate, high or very high (critical) susceptibility to landslide. The landslide susceptibility rating parameters are as follows:

Very High : Areas usually with steep to very steep slopes and underlain by weak materials. Recent landslides, escarpments and tension cracks are present. Human initiated effects could be an aggravating factor.

High : Areas usually with steep to very steep slopes and underlain by weak materials. Areas with numerous old/inactive landslides.

Moderate : Areas with moderately steep slopes. Soil creep and other indications for possible landslide occurrence are present.

Low : Gently sloping areas with no identified landslides.

Likewise, the assessed areas were also rated as having low, moderate or high susceptibility to flooding. The flood susceptibility parameters are as follows: