



20-YEAR RAIN RETURN FLOOD HAZARD MAP (244.78 MM of RAIN in 24 HOURS)

SANTA JOSEFA AGUSAN DEL SUR

Scale 1:24,000

0 750 1,500 3,000 4,500 6,000
Meters

Universal Transverse Mercator Zone 51 Projection
World Geodetic System 1984 Horizontal Datum



LEGEND

Low (< 0.50 m flood depth)	Municipality of Sta. Josefa
Medium (0.50 m - 1.50 m)	Barangay Boundary
High (> 1.50 m)	City/Municipal Boundary
River Network	Provincial Boundary
Road Network	

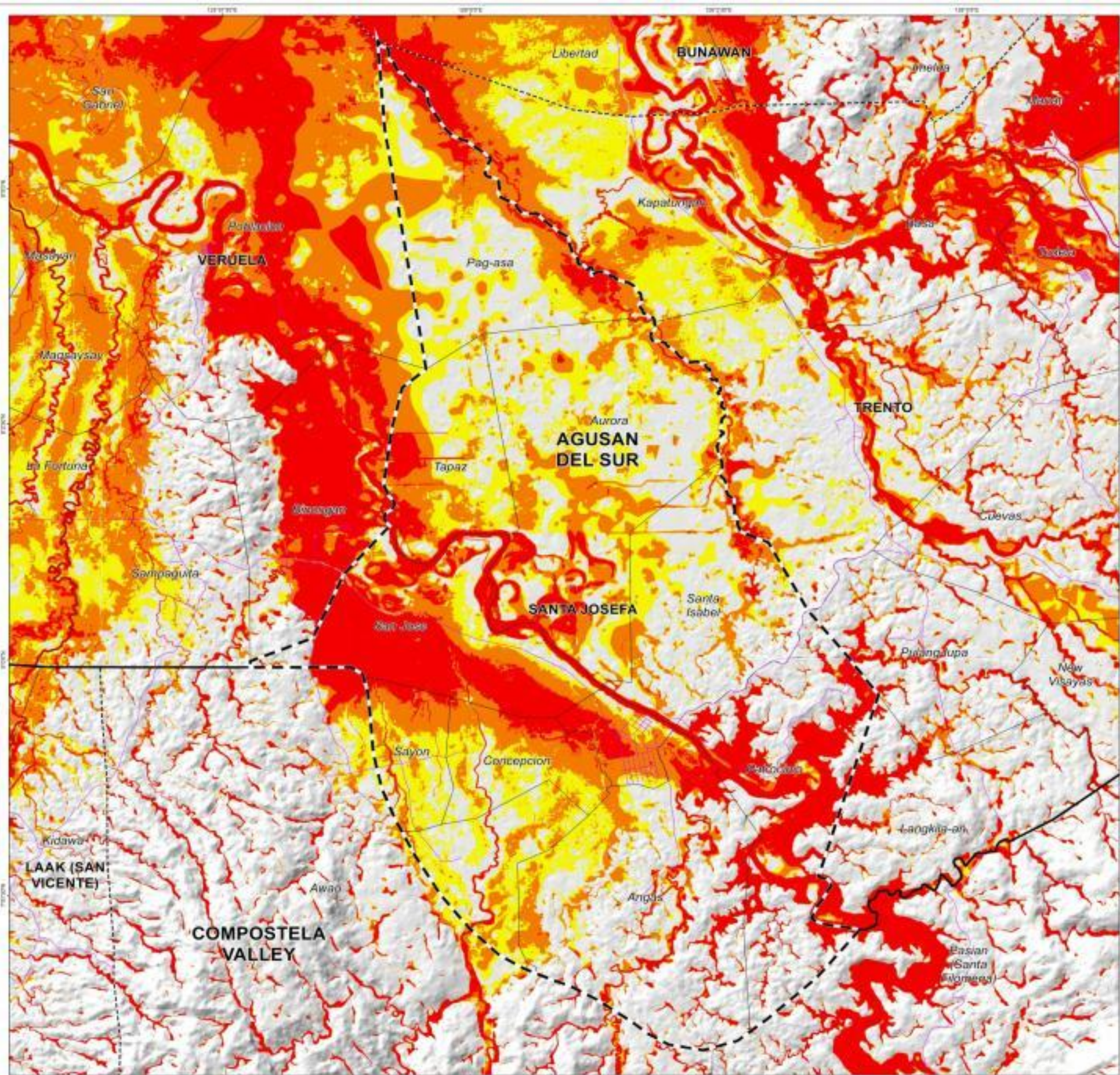
EXPLANATION

This map depicts the numerical model simulated flood extent and hazard levels that may be experienced if the rain falling in the watersheds upstream the river basin reaches 244.78 mm in 24 hours. This rainfall scenario has 5% probability of occurrence in any given year.

Areas outside the model computational domain are not included in the flood model simulation.

SOURCES OF INFORMATION

- University of the Philippines - Orlan DREAM/Phil-LDAR Program
 - Synthetic Aperture Radar Digital Elevation Model
- Geo-SAFER Agusan Project
 - Flood Hazard Information derived using combined HEC HMS and HEC RAS 2D flood simulation models
- Philippine Atmospheric, Geophysical and Astronomical Services Administration
 - Rainfall Intensity Duration Frequency (IDF) Data
- Philippine Statistics Authority
 - Administrative Boundaries
- Google Earth
 - Rivers and Stream Network
 - Road Network



DISCLAIMER: The information presented in this map are preliminary results of the Flood Model of Agusan River Basin developed through the Geo-SAFER Agusan Project. The Geo-SAFER Agusan project gives no warranty, express or implied, as to the accuracy, reliability, utility or completeness of this map. The Geo-SAFER Agusan nor the Caraga State University shall not be held liable for improper or incorrect use of any or all information contained in this map. This flood map is subject to ground validation and accuracy assessment.