



20-YEAR RAIN RETURN FLOOD HAZARD MAP (238.50 MM of RAIN in 24 HOURS)

MUNICIPALITY OF SANTA JOSEFA
PROVINCE OF AGUSAN DEL SUR

Scale 1:25,000

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

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

Administrative boundaries are approximate and are not authoritative.



LEGEND

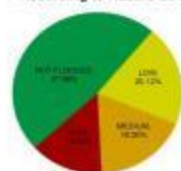
Flood Hazard Level	Municipality of Santa Josefa	River Network
Low (< 0.50 m flood depth)	Barangay Boundary	Road Network
Medium (0.50 m - 1.50 m)	City/Municipal Boundary	
High (> 1.50 m)	Provincial Boundary	

EXPLANATION

This map depicts the numerical model simulated flood extent and hazard levels that may be experienced if the rain falling in the watershed upstream the river basin reaches 238.50 mm in 24 hours. This rainfall scenario has 5% probability of occurrence in any given year.

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

Number of Flooded Structures
According to Hazard Level

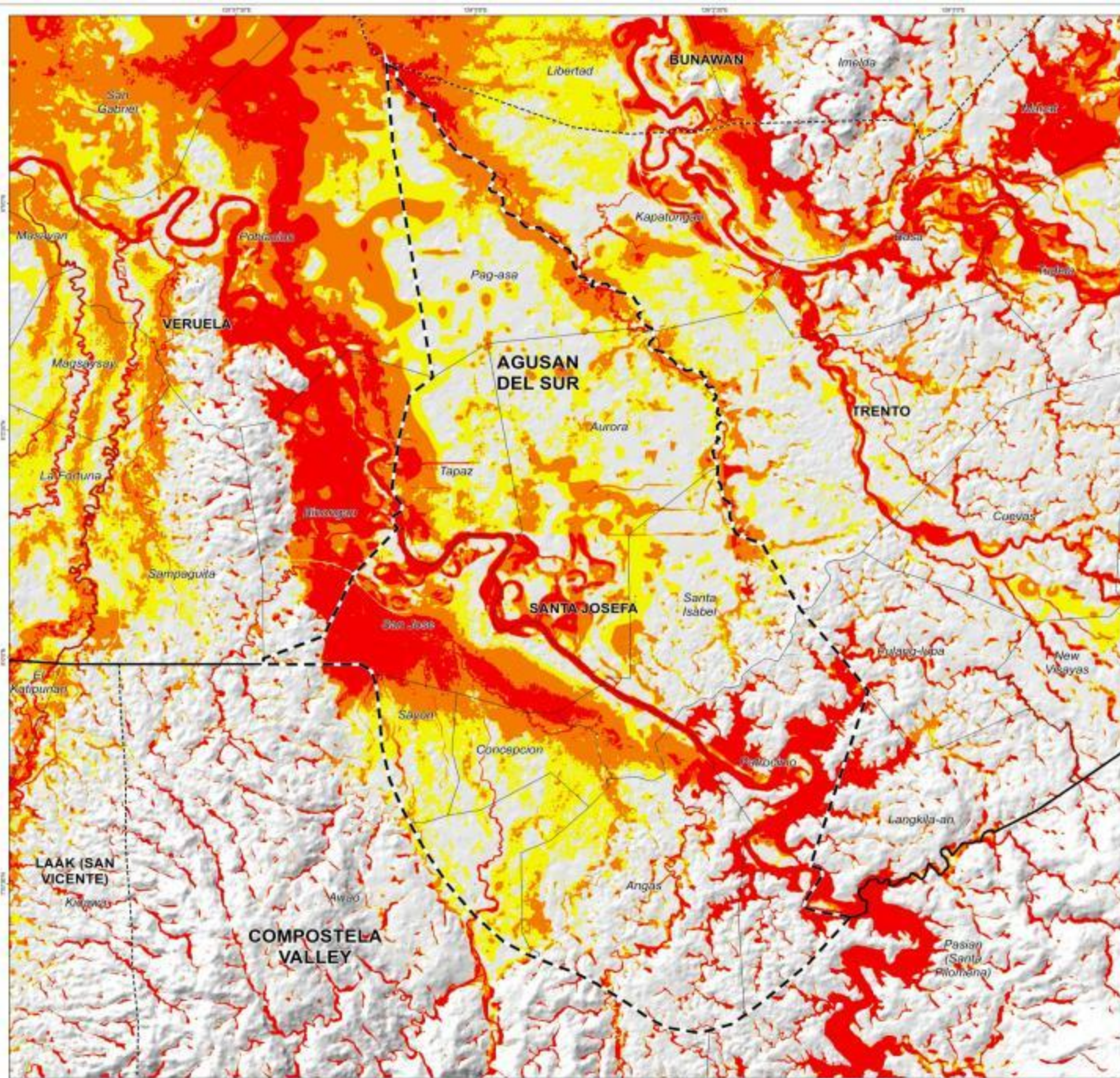


SOURCES OF INFORMATION

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

Geo-SAFER Agusan: Systematic Assessment of Flood Effects and Risks in Agusan River Basin

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