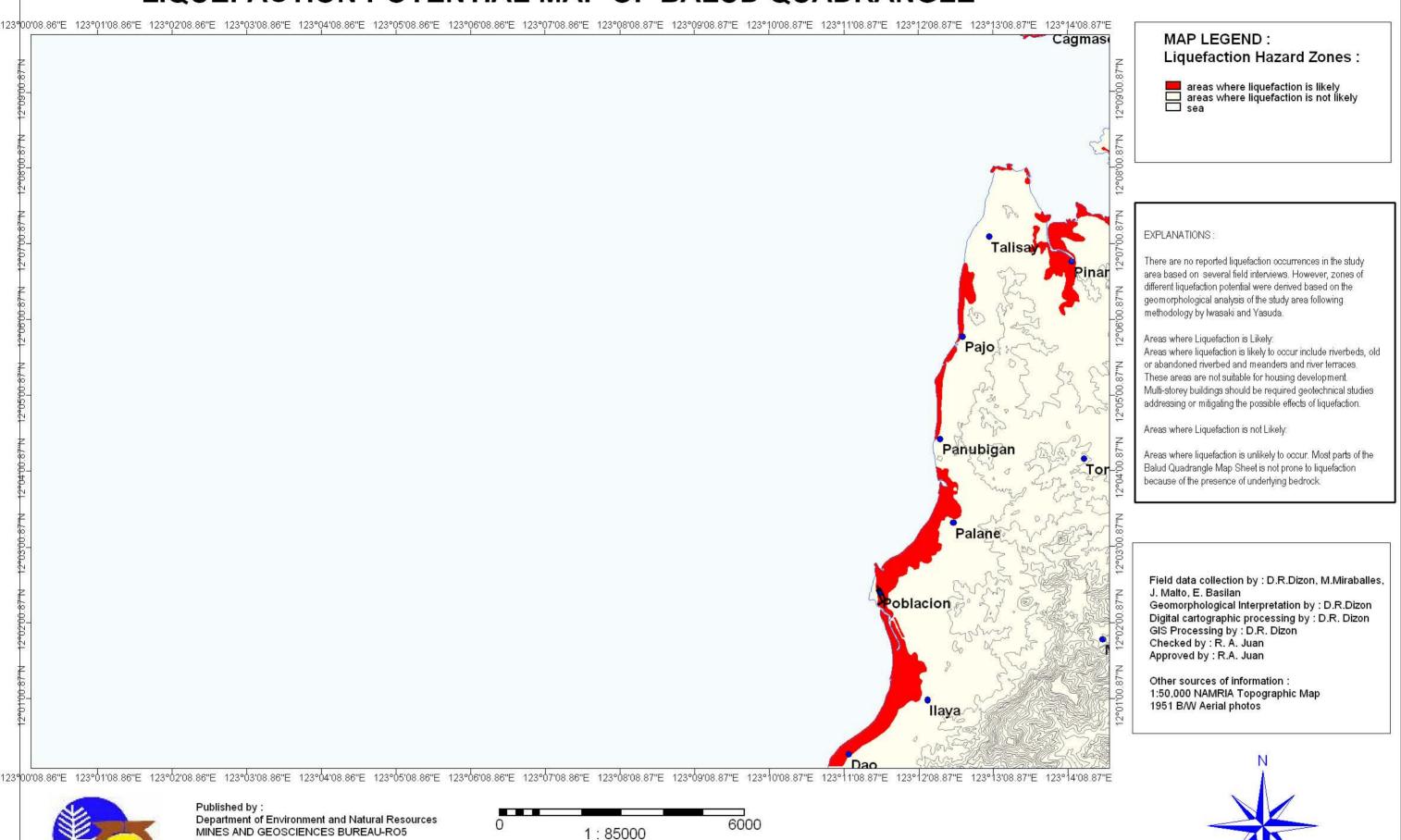


LIQUEFACTION POTENTIAL MAP OF BALUD QUADRANGLE



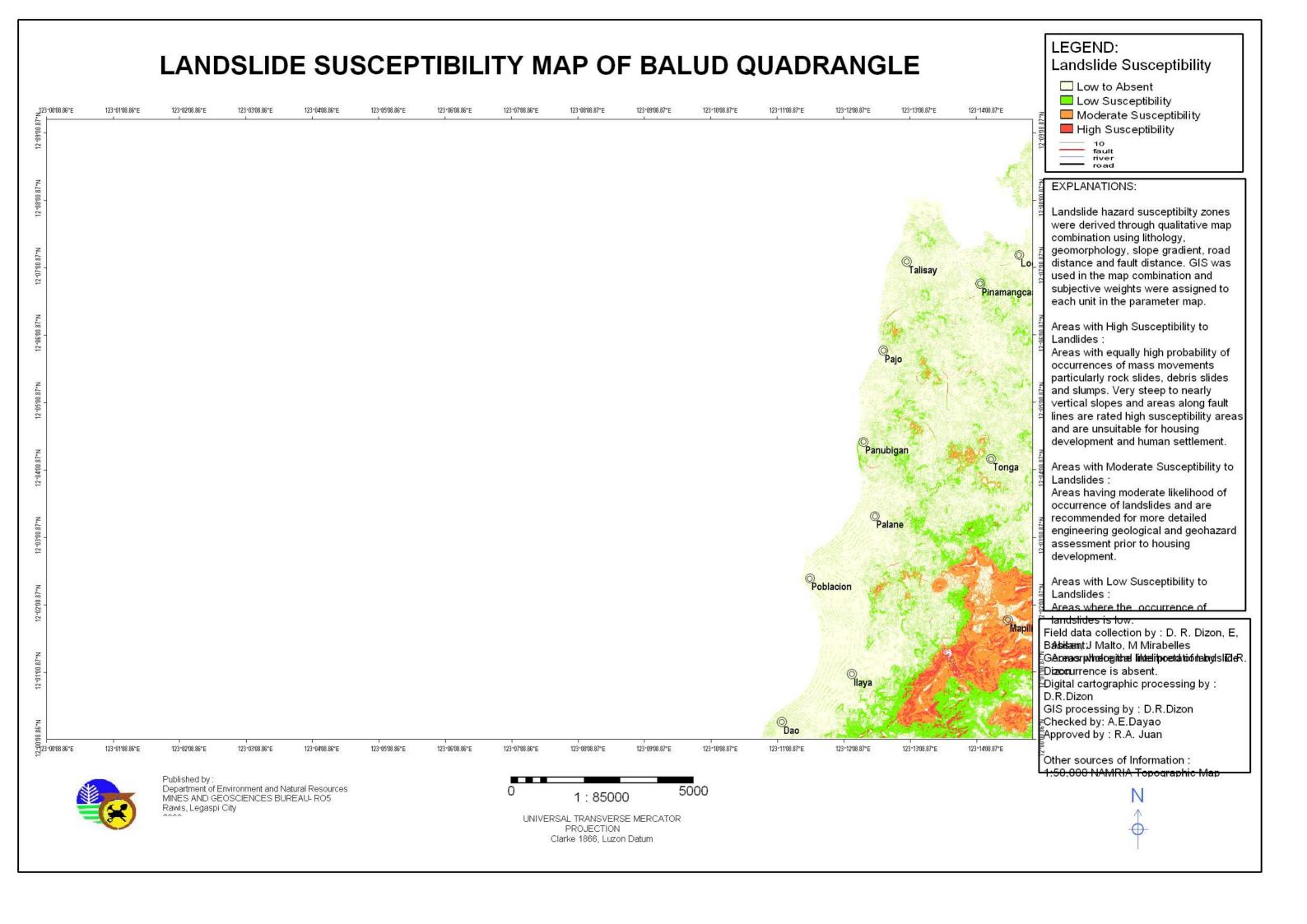


Rawis, Legaspi City 2009

UNIVERSAL TRANSVERSE MERCATOR PROJECTION

Clarke 1866, Luzon Datum





GROUND SETTLEMENT SUSCEPTIBILITY MAP OF BALUD QUADRANGLE 123°14'08.87"E 123°00'08.86"E 123°01'08.86"E 123,*02'08.86"E 123°03'08.86"E 123°07'08.86"E 123°08'08.87"E 123°12'08.87"E 123°13'08.87"E MAP LEGEND: Cagmasoso **Ground Subsidence and Ground Settlement Susceptibility Zones** areas not prone to ground settlement/subsidence areas susceptible to ground settlement EXPLANATIONS: Susceptibility map for ground subsidence due to karst Talisay of solution processes was primarily derived from the lithologic map of the study area. Areas of possible ground settlement were delineated through the Pinamang analysis of the geomorphology of the study area, the sub-surface soils and the ground water levels. Areas Susceptible to ground settlement: areas where fluviatile sands, silts and clays coupled with shallow ground water table are site of possible Pajo ground settlement, ground settlement may be reduced through appropriate foundation design. Buildings having 3 storeys or more should be tested for settlementand/or consolidation. Buildings having 5 storeys or more should undergo detailed geotechnical studies. Panubigan Areas not susceptible to ground settlement or grouind Subsidence: Tonga Areas where the possibility of ground settlement or ground subsidence is low or absent. Palane Field data collection by : D. R. Dizon, J. Malto, M. Miraballes, E. Basilan Geomorphological Interpretation by : D. R. Dizon Poblacion 8 Digital catographic processing by; D.R. Dizon GIS Processing by : D. R. Dizon Checked by : R. A. Juan Approved by : R. A. Juan Mapi Other sources of information: 1:50,000 NAMRIA Topographic Map 1951 Aerial Photos llaya Dao 123°06'08.86"E 123°10'08.87"E 123°00'08.86"E 123°01'08.86"E 123°02'08.86"E 123°03'08.86"E 123°04'08.86"E 123°05'08.86"E 123°07'08.86"E 123°08'08.87"E 123°09'08.87"E 123*11'08.87"E 123°12'08.87"E 123°13'08.87"E 123°14'08.87"E





