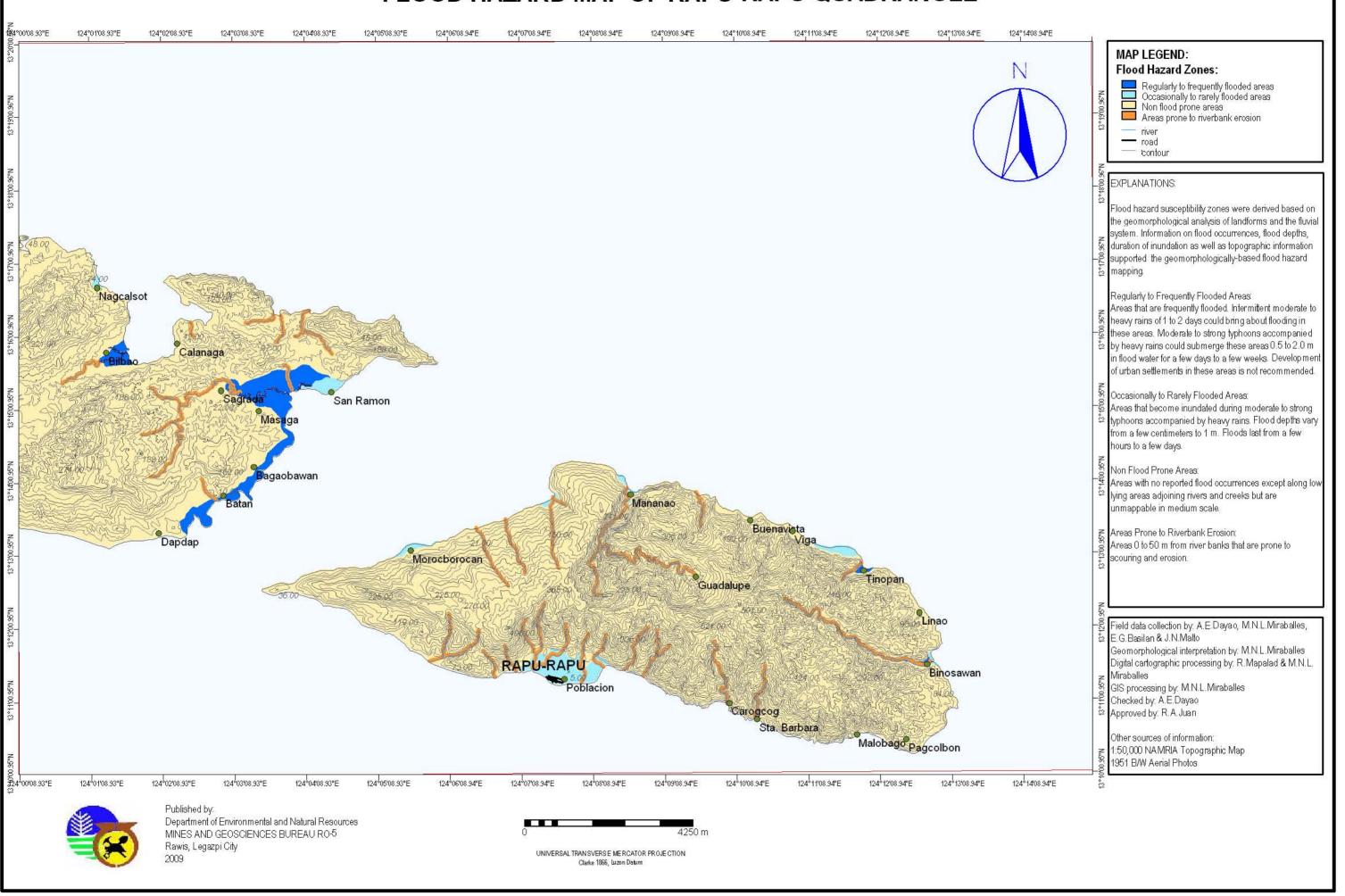
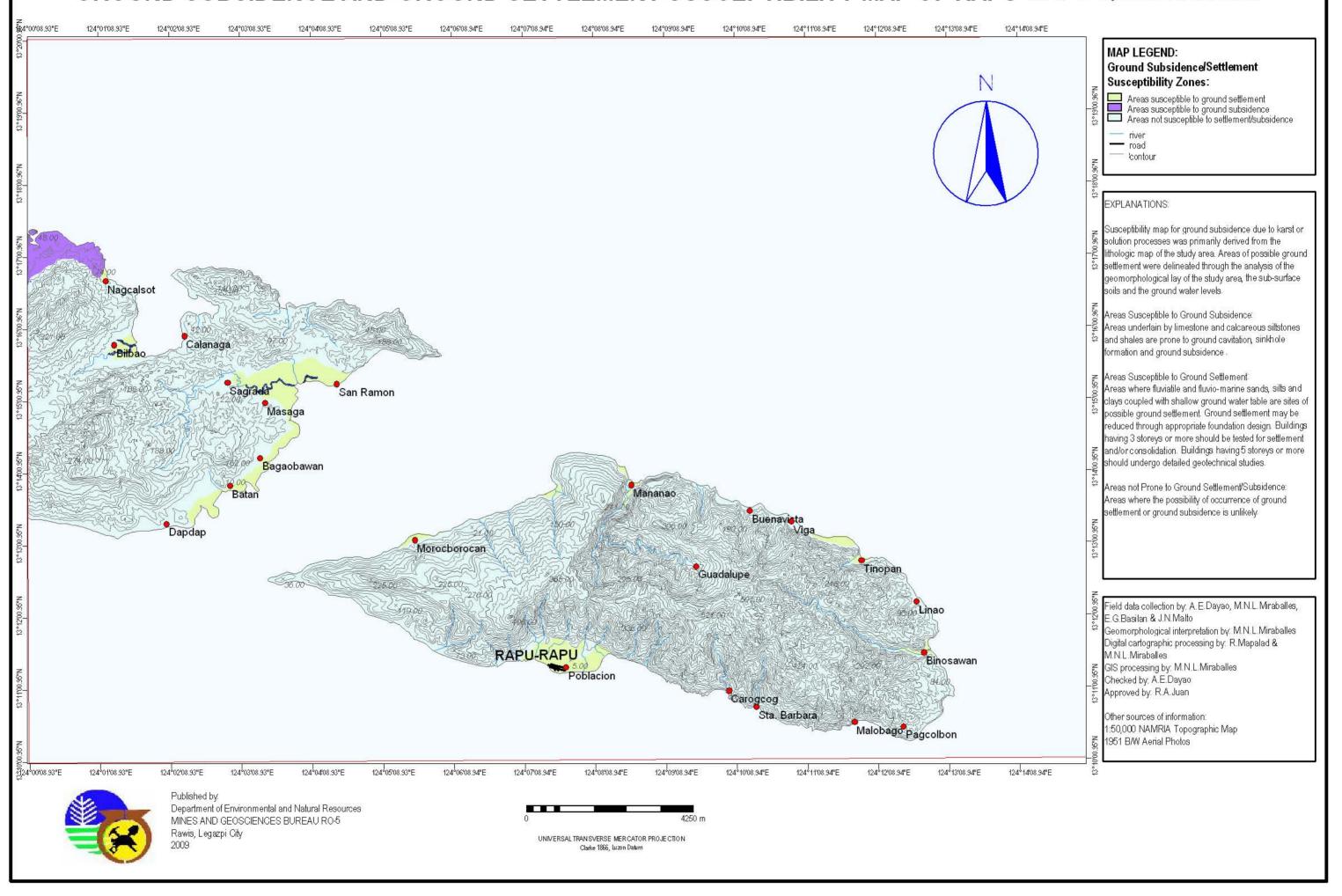
FLOOD HAZARD MAP OF RAPU-RAPU QUADRANGLE



GROUND SUBSIDENCE AND GROUND SETTLEMENT SUSCEPTIBILITY MAP OF RAPU-RAPU QUADRANGLE



LIQUEFACTION POTENTIAL MAP OF RAPU-RAPU QUADRANGLE \$4°00'08.93"E 124°01'08.93"E MAP LEGEND: Liquefaction Potential Zones: Areas where liquefaction is likely Areas where liquefaction is possible Areas where liquefaction is not likely - road — contour EXPLANATIONS: There were no reported liquefaction occurrences in the mapped area based on several field interviews. However, zones of different liquefaction potential were derived based on the geomorphological analysis of the study area following methodologies used by Iwasaki Nagcalsot and Yasuda. Areas where Liquefaction is Likely: Areas where liquefaction is likely include active/young tidal flats with nipa and mangroves, beach, beach ridge and beach ridge and swale complex. These areas are unsuitable for urban development. Multi-storey buildings shoud be required of geotechnical studies addressing or mitigating the effects of liquefaction. San Ramon Areas where Liquefaction is Possible: Coastal plains, alluvial plains and flood plains are areas where liquefaction is possible. Buildings having 5 storeys or more should be required a full geotechnical Areas where Liquefaction is not Likely: Mananao Areas where the occurrence of liquefaction is unlikely. Morocborocan Guadalupe Field data collection by: A.E.Dayao, M.N.L.Miraballes, Linao E.G.Basilan & J.N.Malto Geomorphological interpretation by: M.N.L.Miraballes Digital cartographic processing by: R.Mapalad & RAPU-RAPU M.N.L. Miraballes Binosawan GIS processing by: M.N.L.Miraballes Poblacion Checked by: A.E.Dayao Approved by: R.A.Juan Sta Barbara Other sources of information: Malobago Pagcolbon 1:50,000 NAMRIA Topographic Map 1951 B/W Aerial Photos ਜ਼੍ਰੇ24°00'08.93"E 124°05'08.93"E 124°09'08.94"E 124°10'08.94"E 124°14'08.94"E 124°01'08.93"E 124°02'08.93"E 124°03'08.93"E 124°04'08.93"E 124°06'08.94"E 124°07'08.94"E 124°08'08.94"E 124°13'08.94"E 124°11'08.94"E 124°12'08.94"E Published by: Department of Environmental and Natural Resources MINES AND GEOSCIENCES BUREAU RO-5 Rawis, Legazpi City UNIVERSAL TRANSVERSE MER CATOR PROJECTION 2009 Clarke 1866, Luzon Datum

