

this problem and ensure that adequate quality control procedures are in place to provide a fully consistent and reliable approach.

Finally, Figure 5.6 is Model 6 presented in a cartographically more acceptable manner using a vector GIS (in this case Intergraph MGE). The map shows the raster-based hazard zones combined with digital locational information.

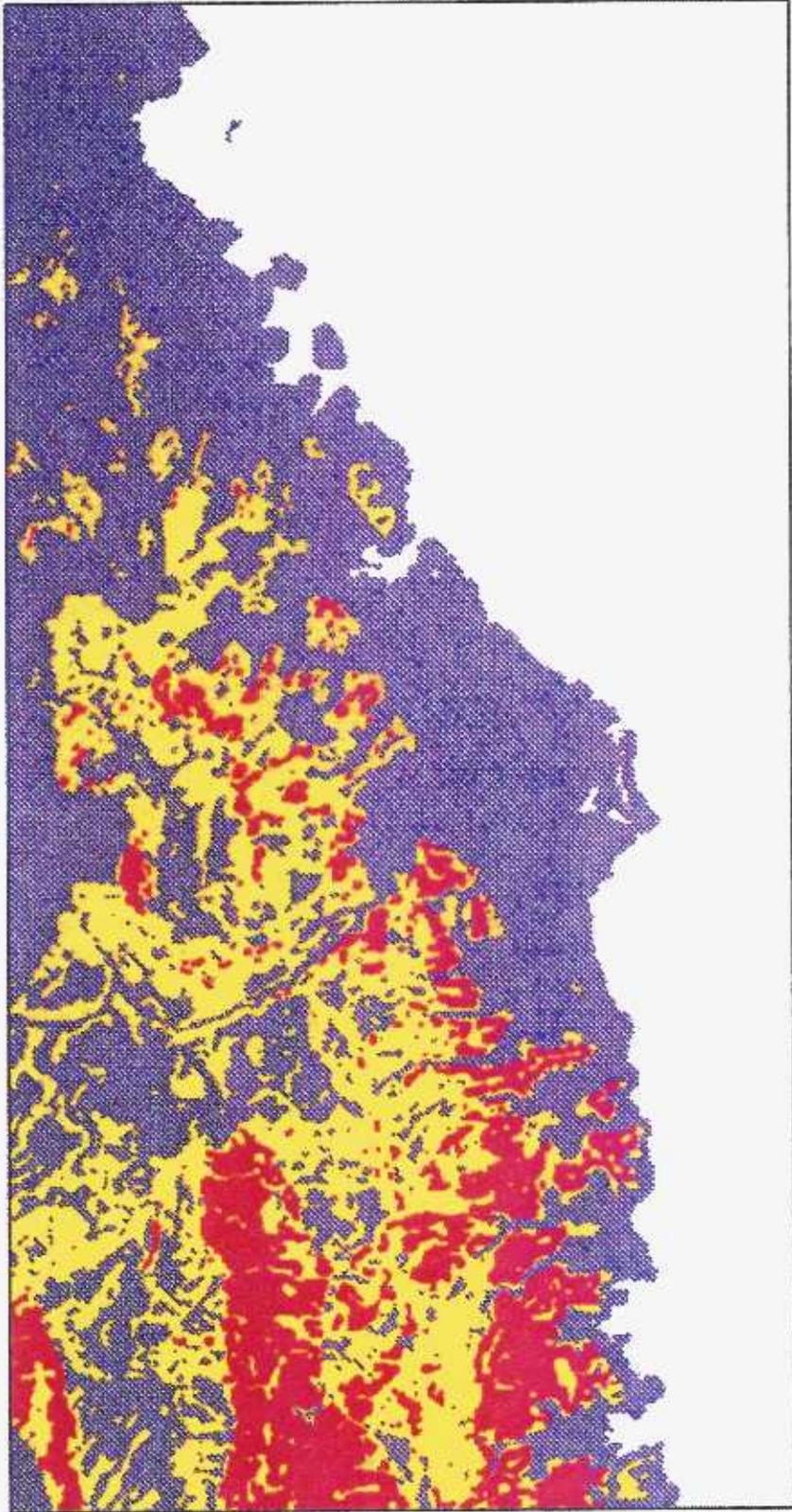


Figure 5.5 Final landslide hazard map (Model 6) smoothed to remove unwarranted detail.

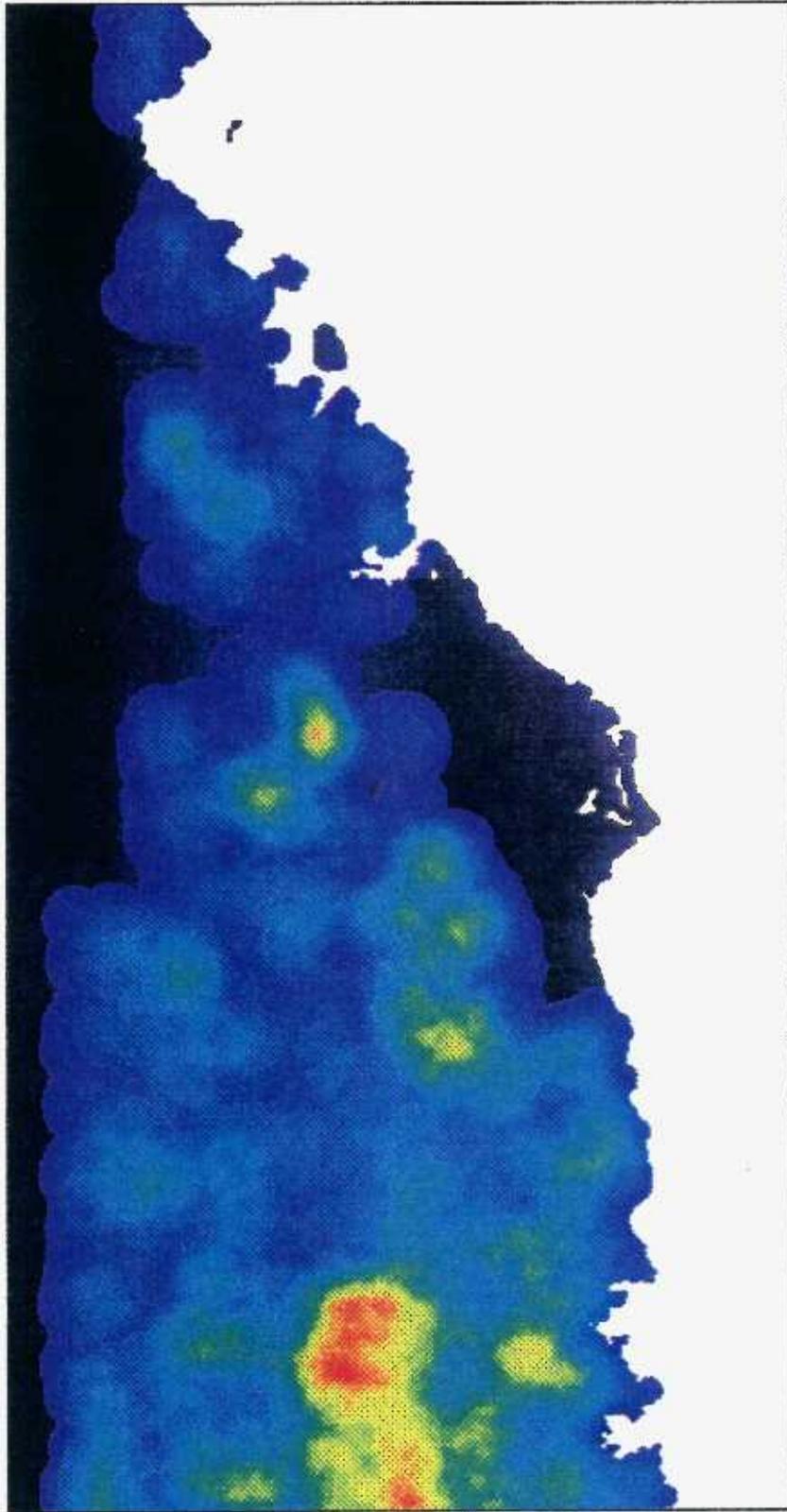


Figure 5.4 Landslide density map for south east Viti Levu.

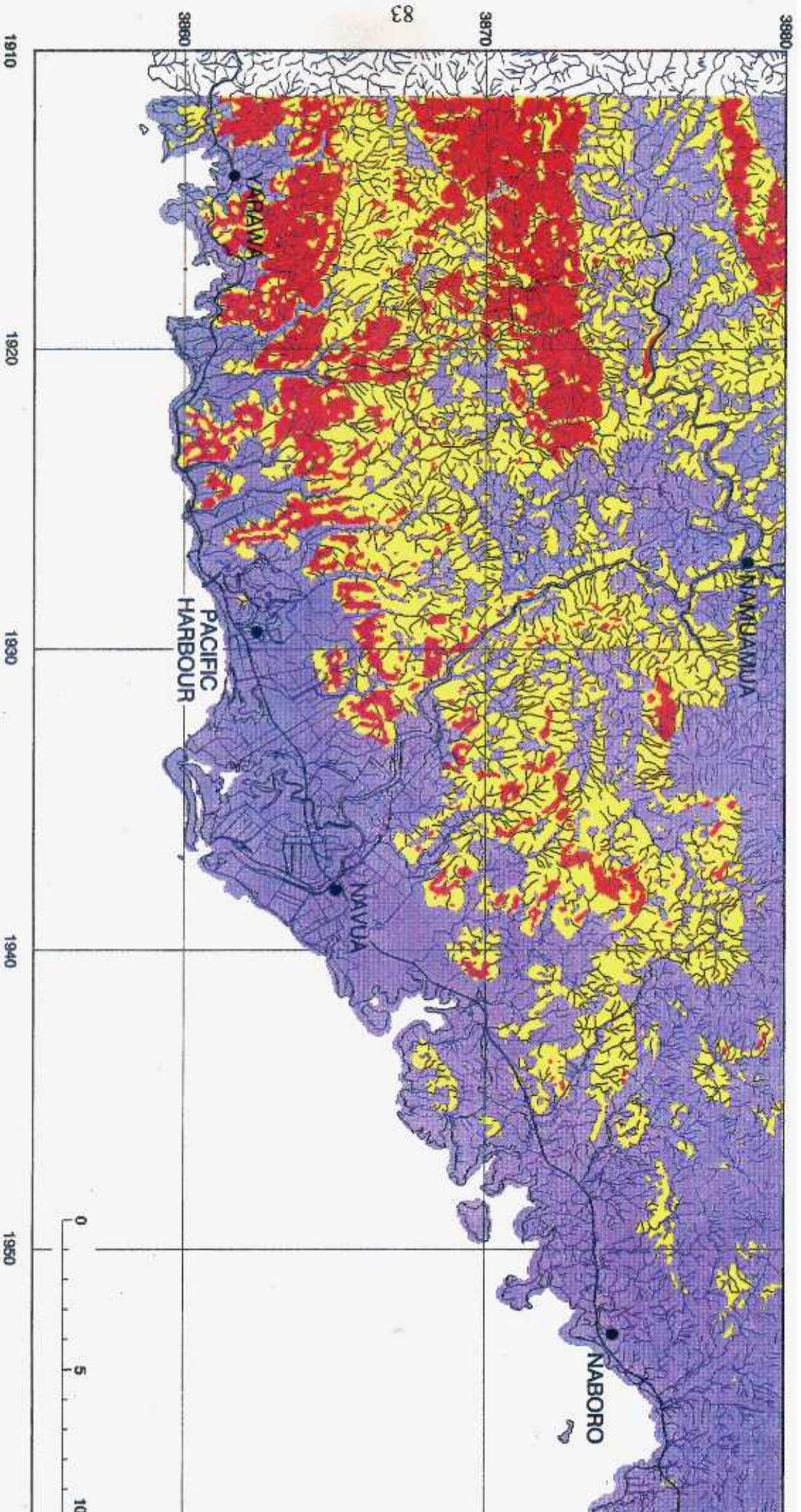


Figure 5.6 Landslide hazard map for south east Viti Levu modelled from geology, elevation, slope angle and aspect, soil type and forestry plotted using the cartographic capabilities of a vector GIS. The relative hazard zones are: blue = low; yellow = intermediate; red = high probability.