

4. Results

The summary of maximum wave height and water velocity results from tsunami modelling to the Northland shoreline for the districts listed in the introduction is given in Appendix I. The underpinning data were provided to NRC by NIWA. The interpretation, tabulation and graphic representation of the data are a contribution to the overall project by NRC.

The results for the modelling of potential tsunamigenic sources are discussed in the subsections that follow. Of these, the events that generated the largest tsunamis for the Northland were subduction zone earthquakes in the Tonga-Kermadec Trench.