

4.5. Taipa

4.5.1. Inundation Maps – South American tsunami

At MHWS the main concern is with relatively high water speeds (up to 5 m/s) and associated coastal erosion around Taipa River Mouth. Inundation and water speeds are enhanced with increasing sea level. Of particular concern is the SH10 bridge across the river, and increasing effects of inundation along Ryders Creek to the south of Taipa, and along the edge of the Taipa River. Maps showing maximum inundation and maximum water speed for the remote South American tsunami for the three sea levels are given in Figures 43, 44 and 45.

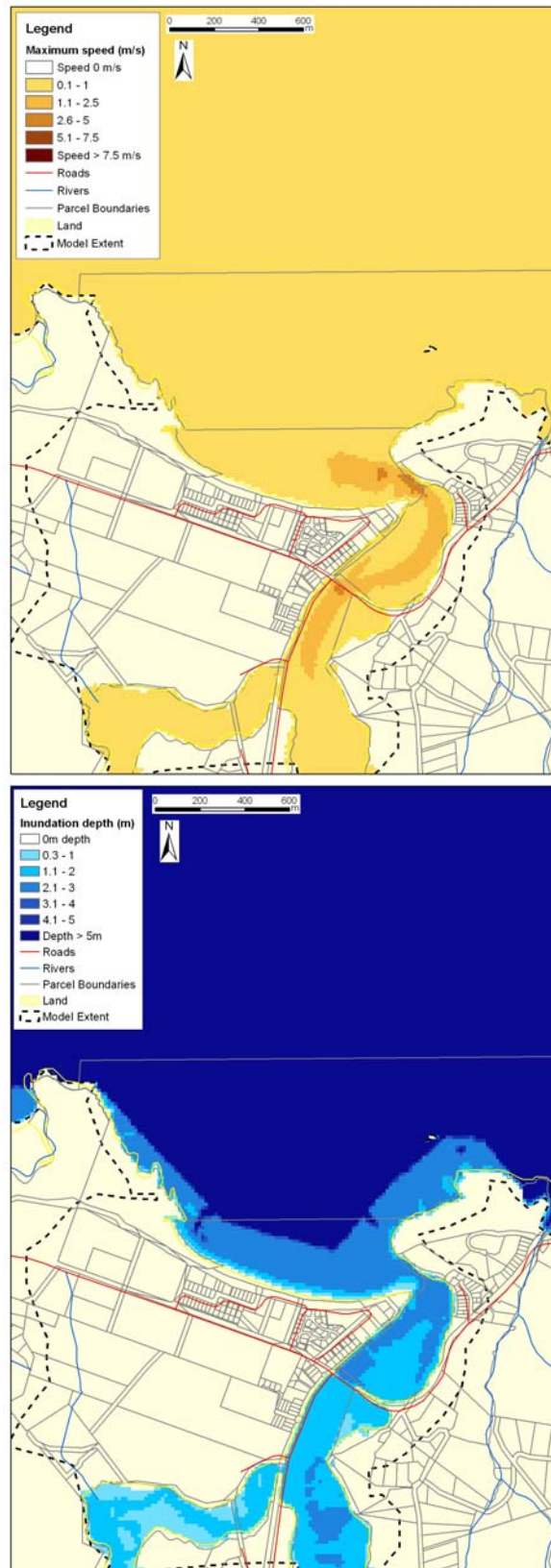


Figure 43: Taipa: Maximum inundation speed (upper) and depth (lower) plots for the South American tsunami scenario at MHWS (to extent of LIDAR).

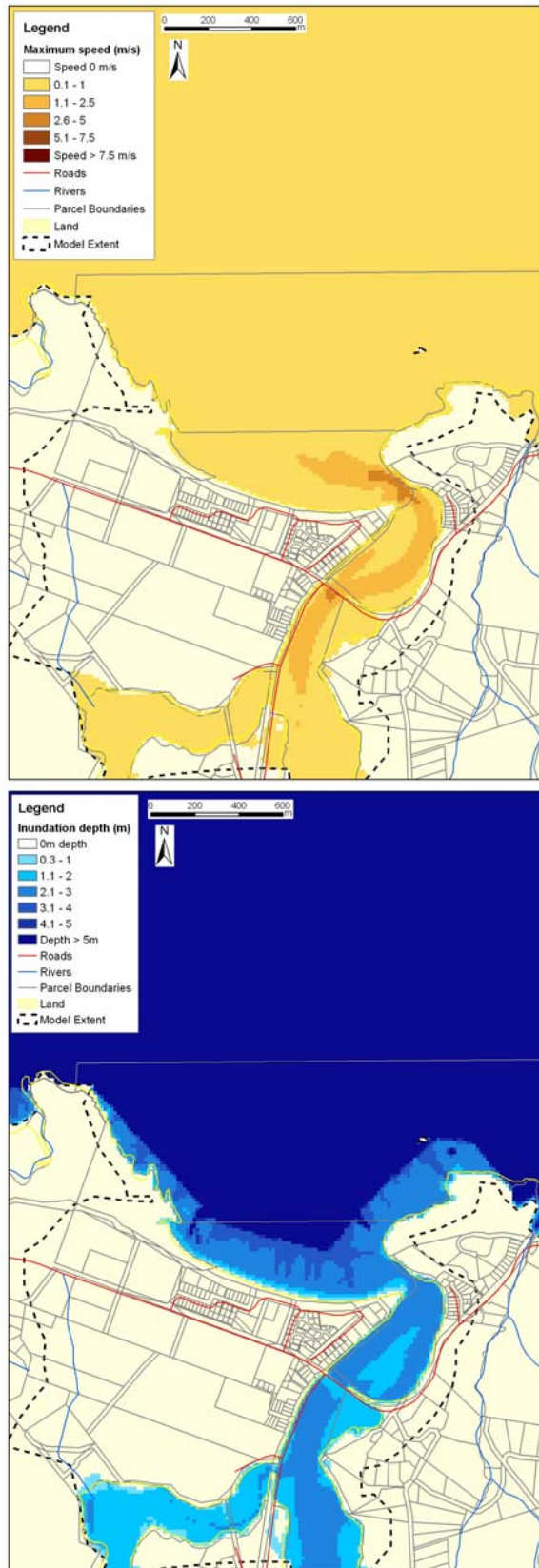


Figure 44: Taipa: Maximum inundation speed (upper) and depth (lower) plots for the South American tsunami scenario at MHWS + 30cm (to extent of LIDAR).

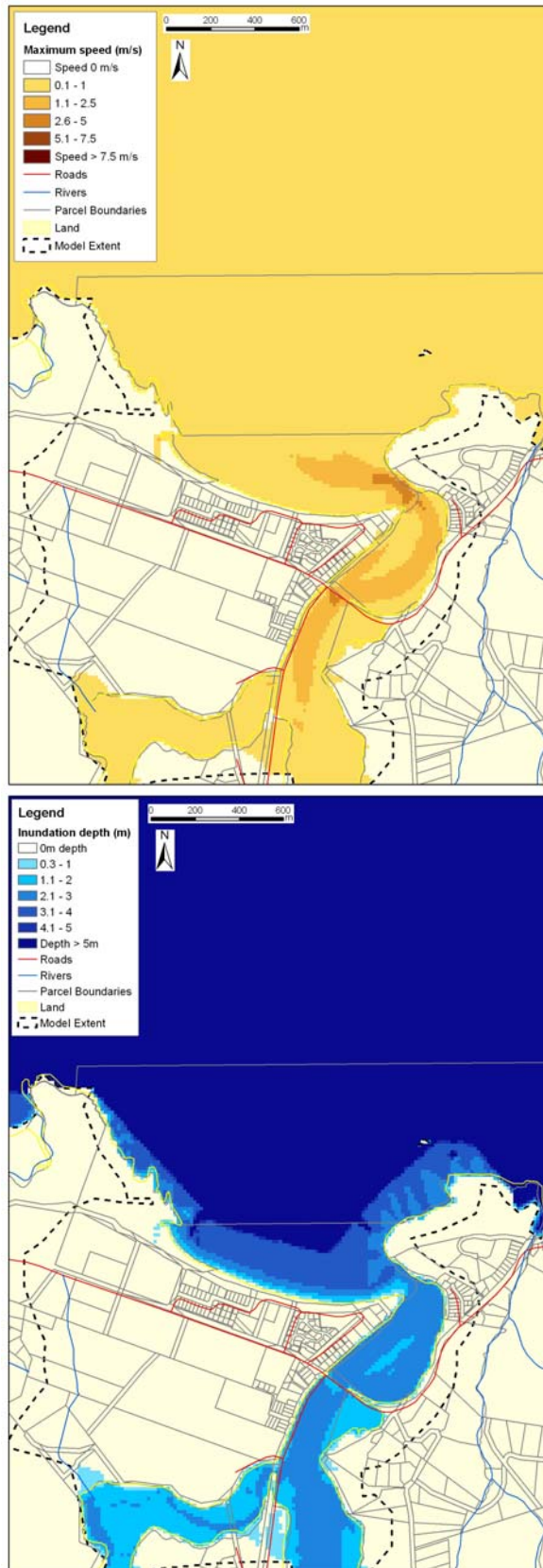


Figure 45: Taipa: Maximum inundation speed (upper) and depth (lower) plots for the South American tsunami scenario at MHW + 50cm (to extent of LIDAR).