The wide-field CCD camera at the CFH telescope was used to survey the giant stellar stream in the Andromeda galaxy, resolving stars down the red giant branch in M31 to $I \approx 25$, a magnitude deeper than our previous INT survey of this galaxy and extending $1^{\circ}$ further out. The stream is seen to extend out to the south-east of M31 as far as we have surveyed (some $4.5^{\circ}$, corresponding to a projected distance $\sim 60$ kpc). It is a linear structure in projection, and the eastern edge of the stream presents a sharp boundary in star counts suggesting that it remains a coherent structure. By analysing the luminosity function of the metal rich component of the stream we find that, at the furthest extent of our survey, the stream is $100$ kpc further away along the line of sight than M31. It can then be traced to a point on the north-western side of the galaxy where it is some $30$ kpc in front of M31, at which point the stream turns away from our survey area.