3.4 Nunamara 1

The heat flow model for Nunamara 1 (Fig.3) illustrates a good fit between the observed and predicted temperature profiles. The well initially intersected Jurassic dolerite and is thought to have passed into silty sandstones of the Permian Parmeener Super Group rocks at approximately 223 m with thermal conductivities ranging from 2.17 – 2.23 W/mK. The modelled surface heat flow is **75 ± 1.1 mW/m^2** calculated from the conductivity-constrained interval (approximately 70 m – 253 m).

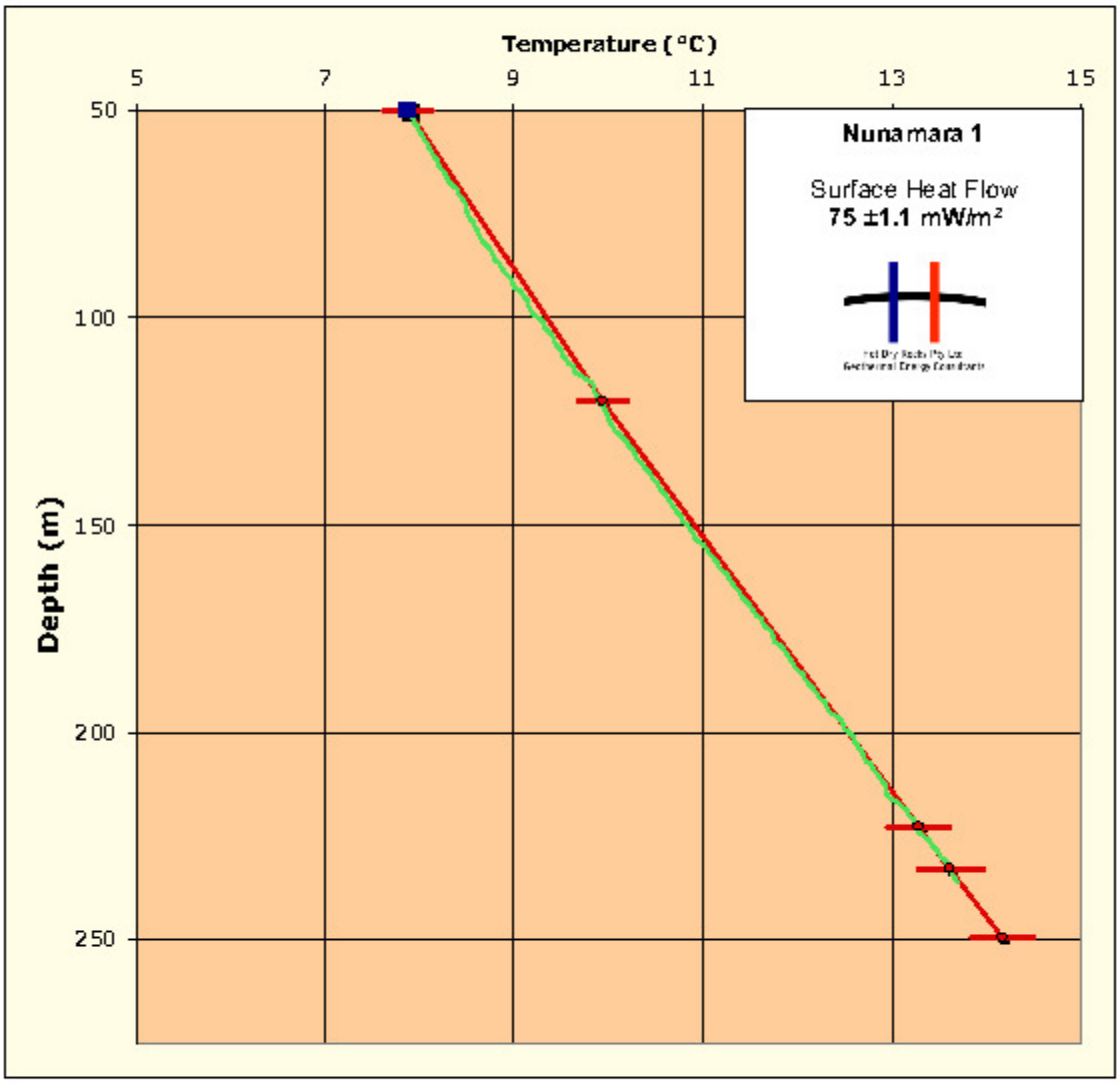

Figure 3. Nunamara 1 – surface heat flow modelled from rock thermal conductivity data and precision temperature log (green line). Red line is the modelled temperature profile for the stated heat flow.