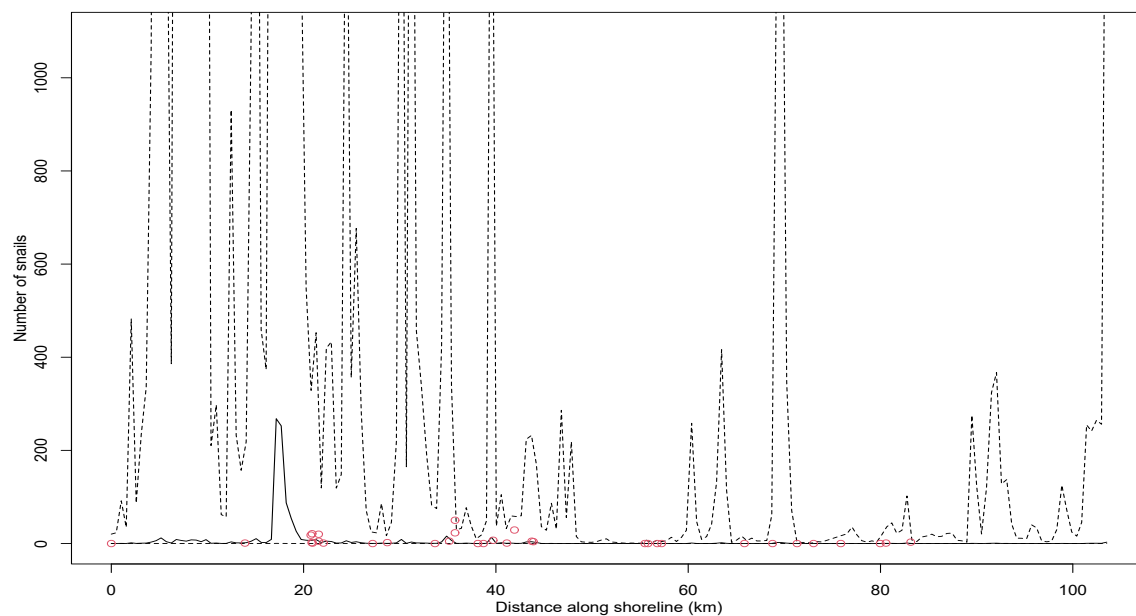*Additional file 9: Supplementary information*

1D result
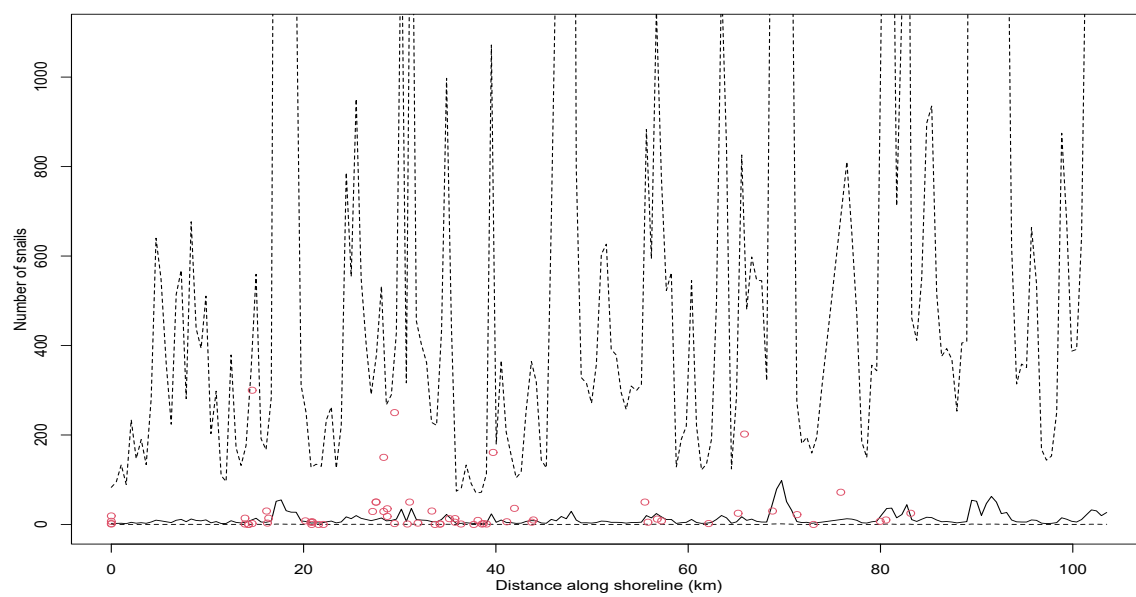
(a) *Biomphalaria* sp.

(b) *Bulinus* spp.

Figure S1: 1D medium Gaussian Prediction (GP) prediction (exponential covariance function) of number of snails log ($\widehat{\mu}_i$) against distance along the shoreline (km) a) *Biomphalaria* sp. b) *Bulinus* spp. Filled Straight line: Medium (50% credible intervals (Crl)) of GP prediction. Red circles: observed number of snails at sampling locations along the shoreline. Black faded lines: 95% Crl.