

Figure S1. Reliability test of the distribution model created for *Oncomelania hupensis*. The receiver operating characteristic (ROC) curve and average area under curve (AUC) values for the optimized model over 10 replicate runs were shown in red, while blue margins show \pm standard deviation (SD) calculated for 10 replicates.

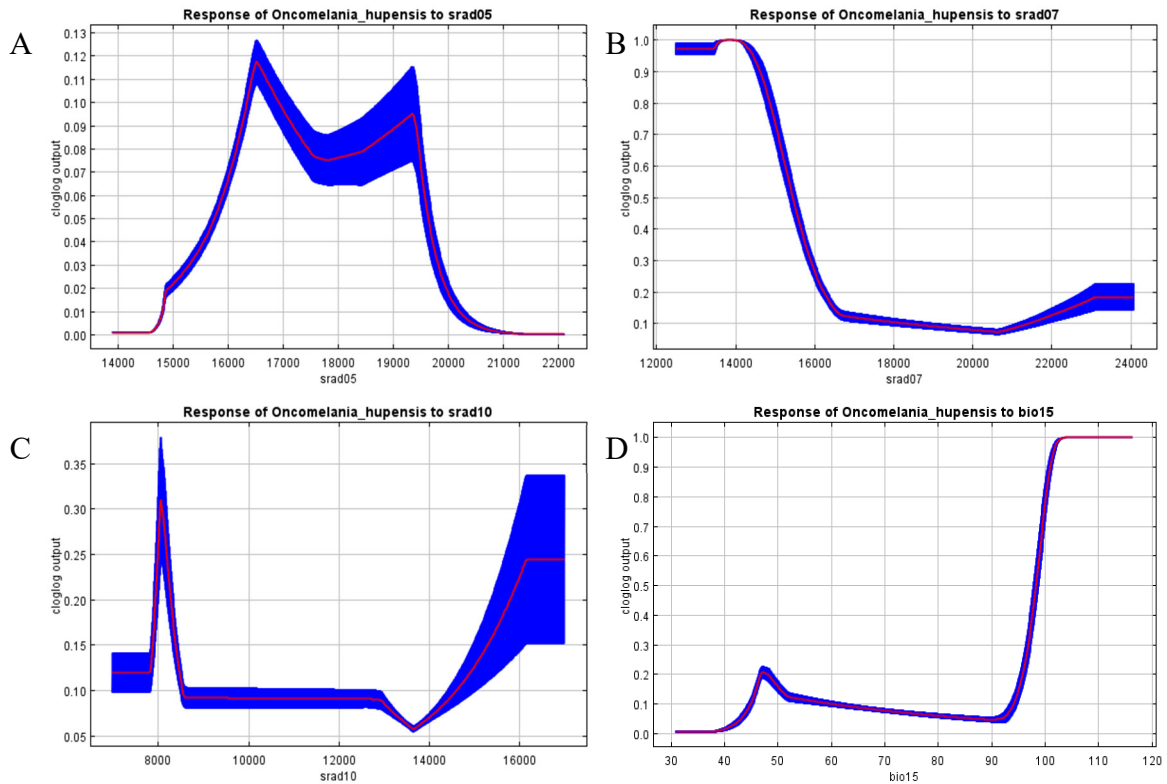


Figure S2. Response curves of MaxEnt models for environmental variables. The red curves represent average value over 10 replicate runs, while blue margins represented \pm SD calculated for 10 replicates: (A) srad05=Solar radiation in May, (B) srad07=Solar radiation in July, (C) srad10=Solar radiation in October, (D) bio15=Precipitation Seasonality.

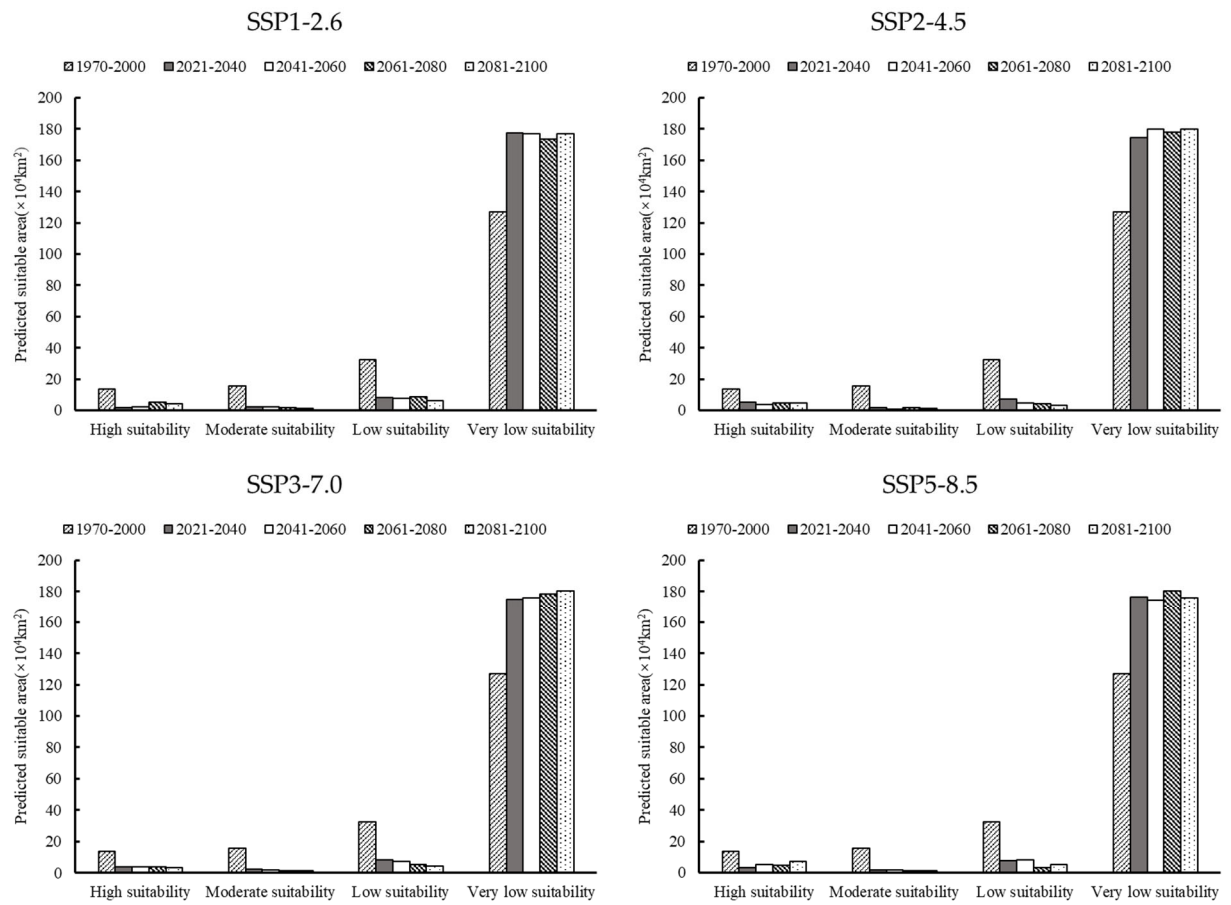


Figure S3. Suitable habitat area of *Oncomelania hupensis* in the Yangtze River Economic belt in China under current and future climate scenarios.