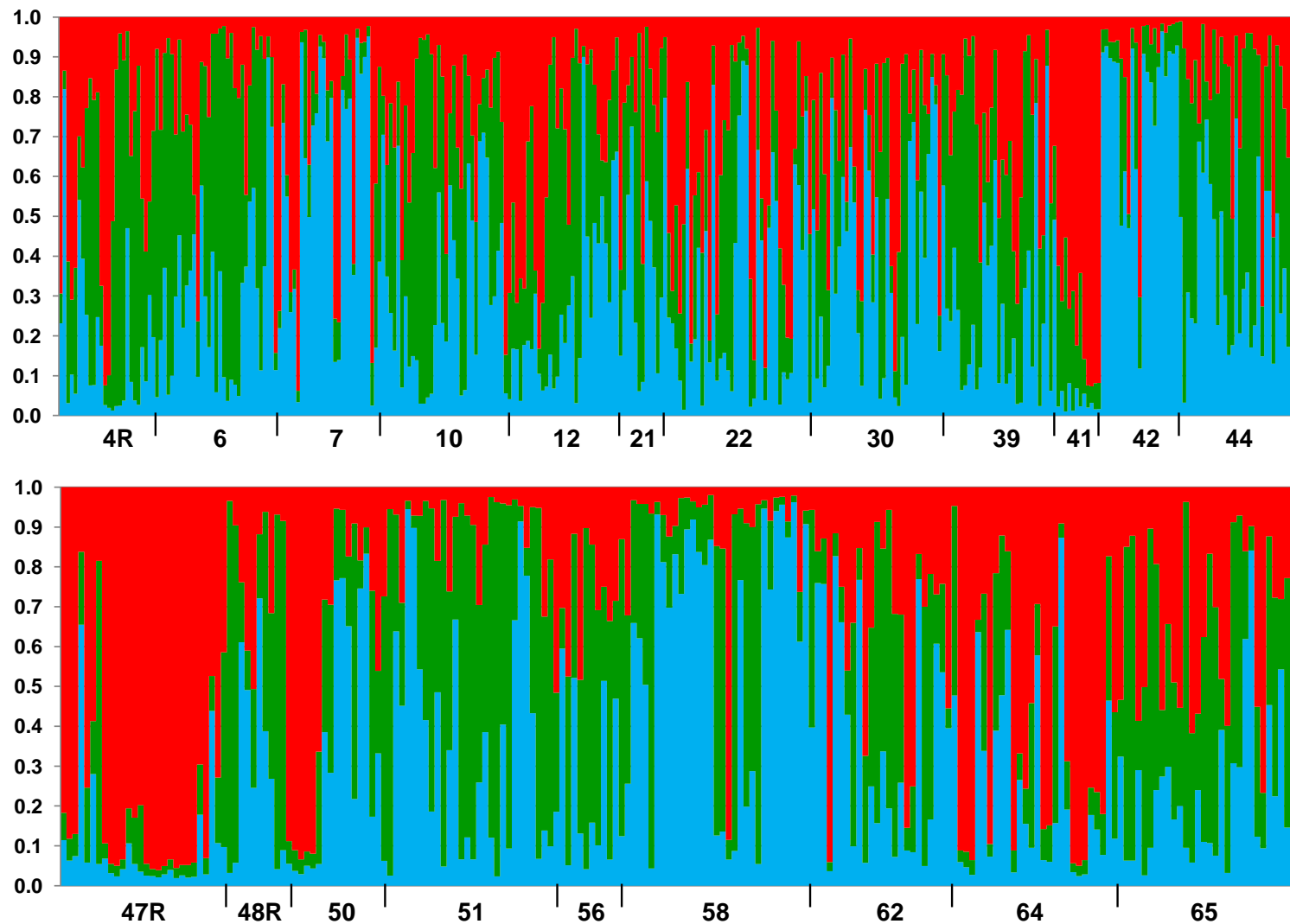
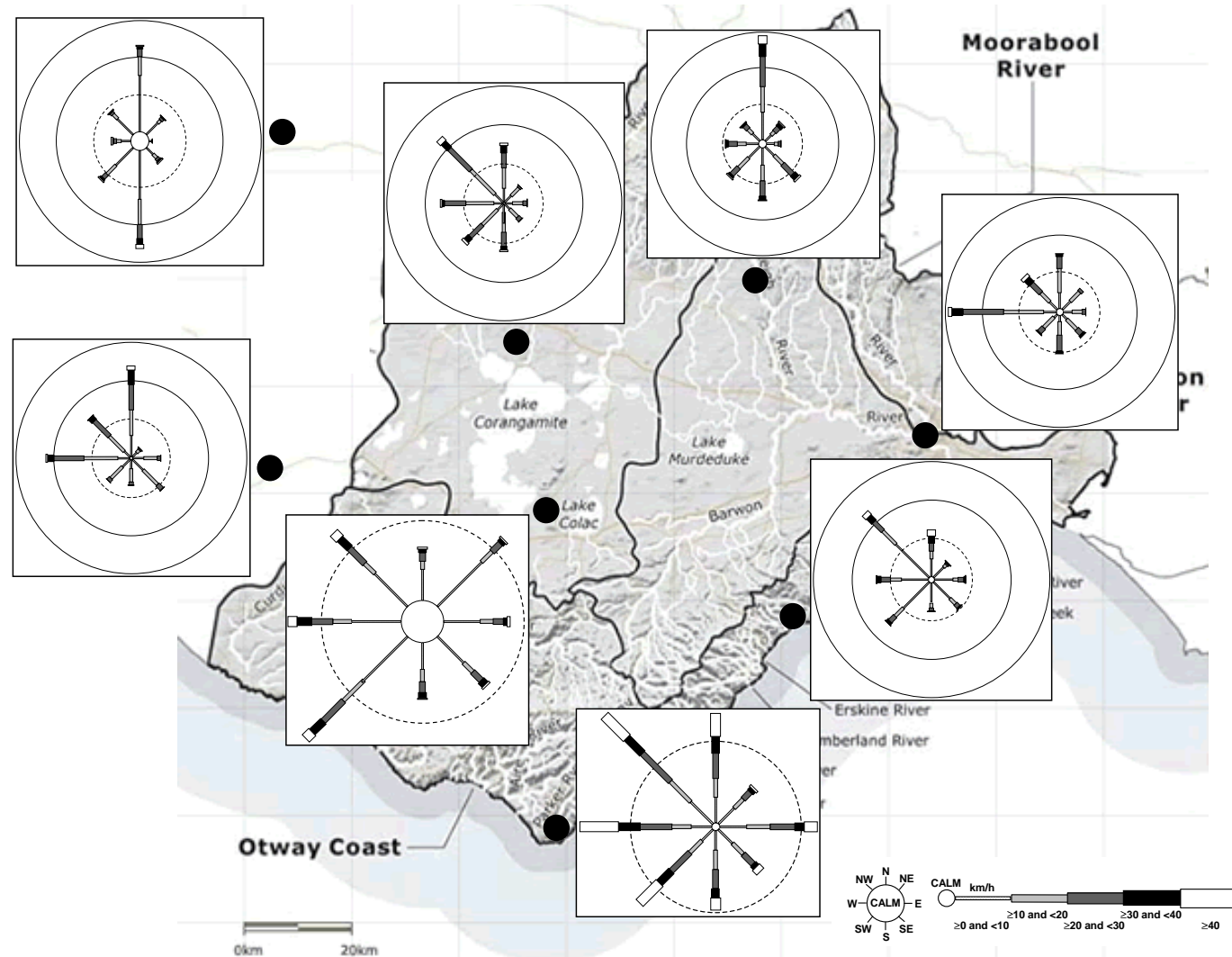


**Fig. S1.** Typical admixture proportions for *Allocasuarina verticillata* seed from 18 natural populations without prior information for  $K=3$ . Each bar represents an individual, numbers below bars correspond to collections in Table 2. Colours indicate proportion of each individual assigned to one of the three clusters.



**Fig. S2.** Typical admixture proportions for *Allocasuarina verticillata* seed from 18 natural and 3 restored populations without prior information for  $K=3$ . Each bar represents an individual, numbers below bars correspond to collections in Table 2. Colours indicate proportion of each individual assigned to one of the three clusters.



**Fig. S3.** Average 9am wind roses from across the *Allocasuarina verticillata* study region (data from Australian Government Bureau of Meteorology). Dashed circle represents 10% calm conditions with other circles at 10% increments, each branch represents wind coming from that direction (north to the top), segments of each branch represent wind speed ranges as detailed by the legend, and branch length is proportional to the frequency of winds blowing within the corresponding range of speeds from that direction.