

Figure 1 Map of the macrozoobenthos and bird research regions in Fujin National Wetland Park, and basic information of artificial ecological islands and bird observation sites.

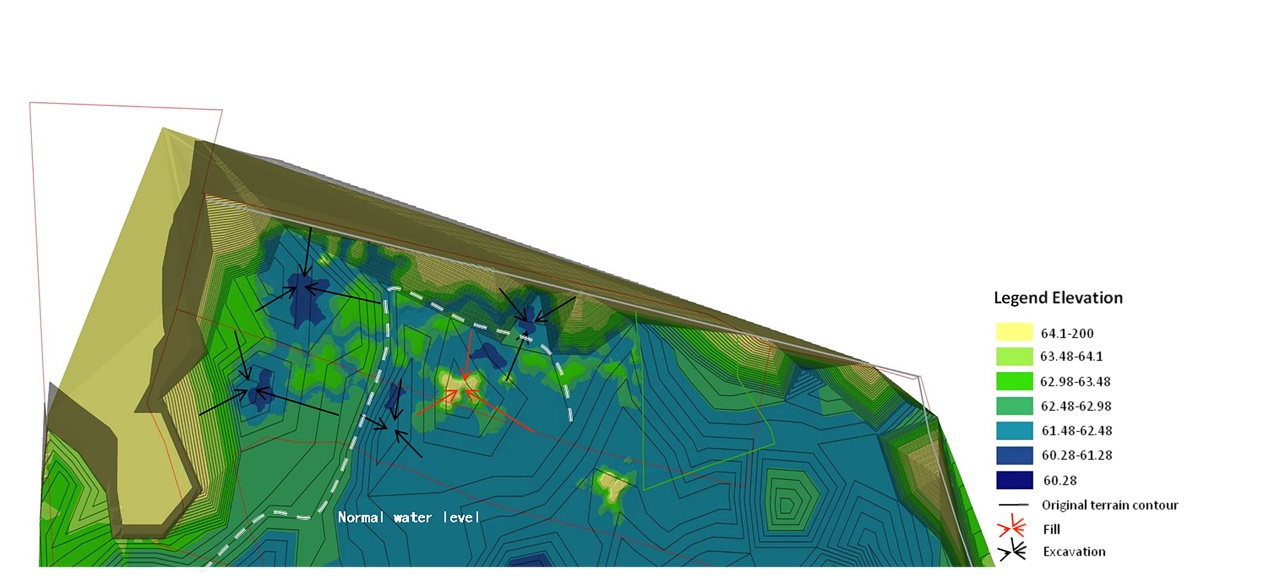


Figure 2 Artificial ecological island construction map

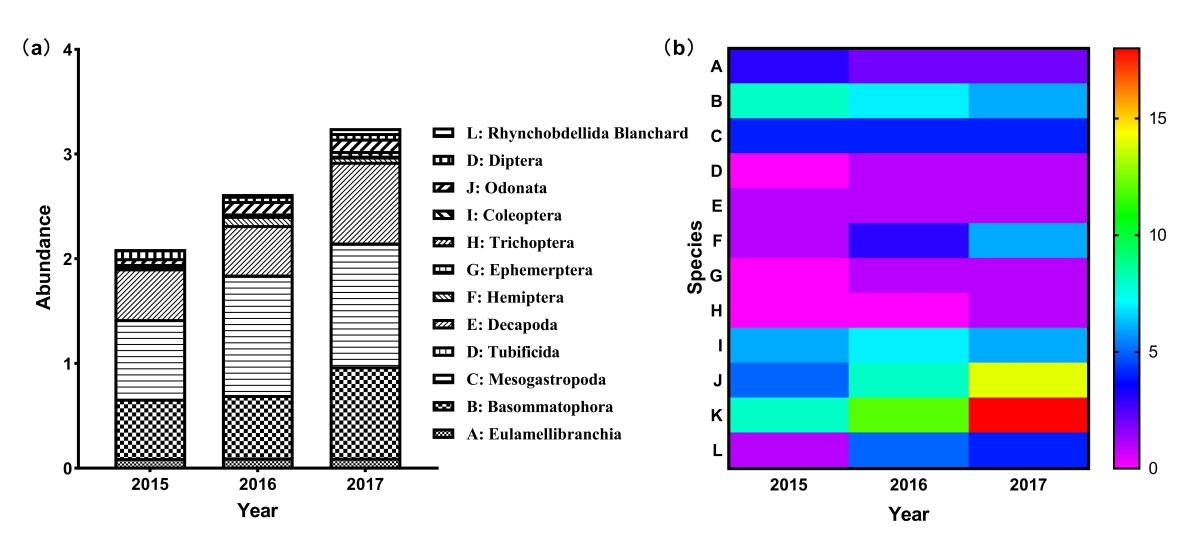


Figure 3: (a) Abundance changes in macroinvertebrates in different taxa. (b) The heat map shows the change in taxa in three years, and the colour gradient shows the number of different taxa.

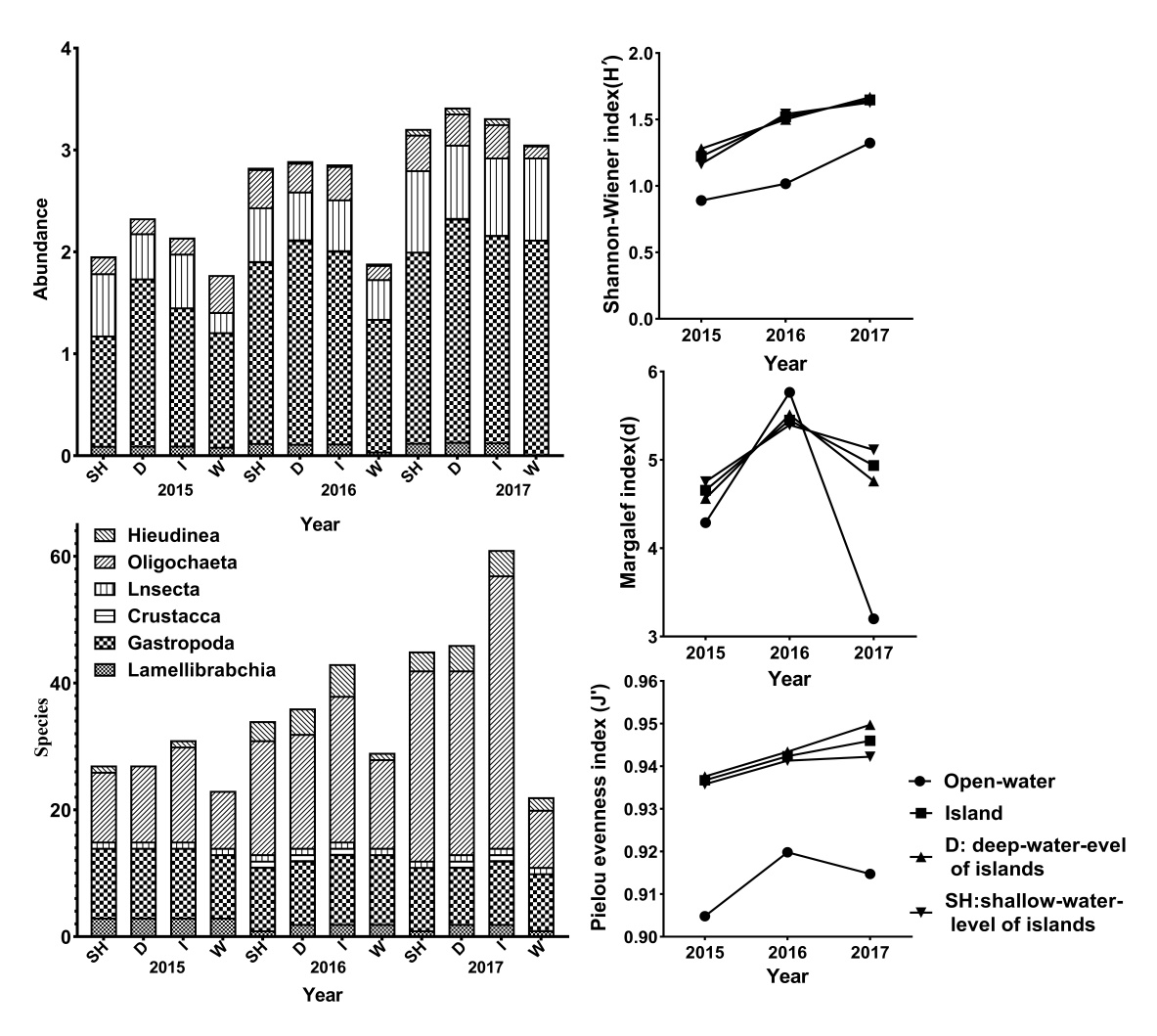


Figure 4 Comparison of the macroinvertebrate composition and biotic indices between the islands and the open-water.

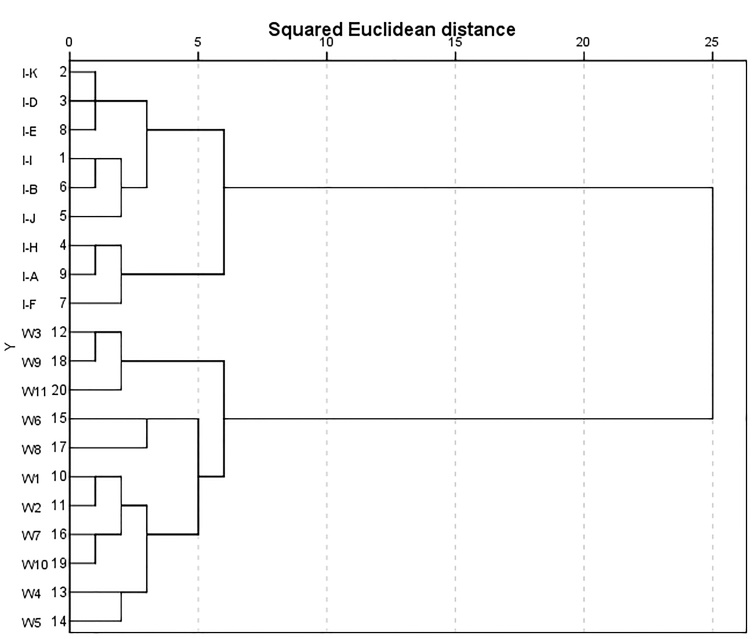


Figure 5 Hierarchical cluster dendrogram of the macroinvertebrate biological dataset collected in the park based on the spatial distribution patterns. The sites were grouped into two groups: island and open-water.

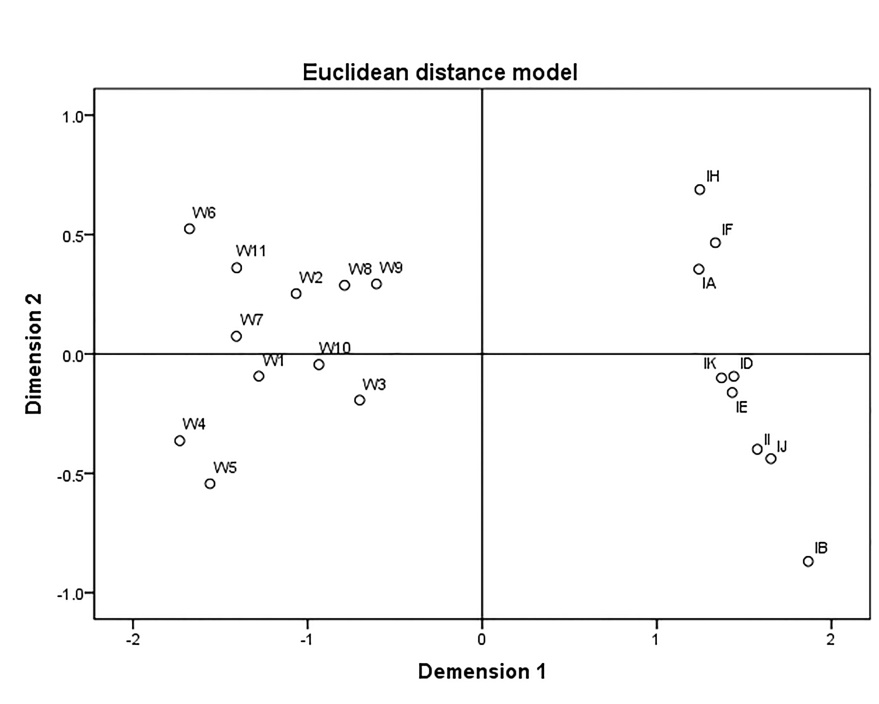


Figure 6 MDS of the twenty macroinvertebrate communities, which were grouped into two groups: island and open-water area (Stress=0.051, RSQ=0.984). In the island group, there were two sub-groups: PSIs (islands H, F and A) and SSIs (islands K, D, E, I, J and B).

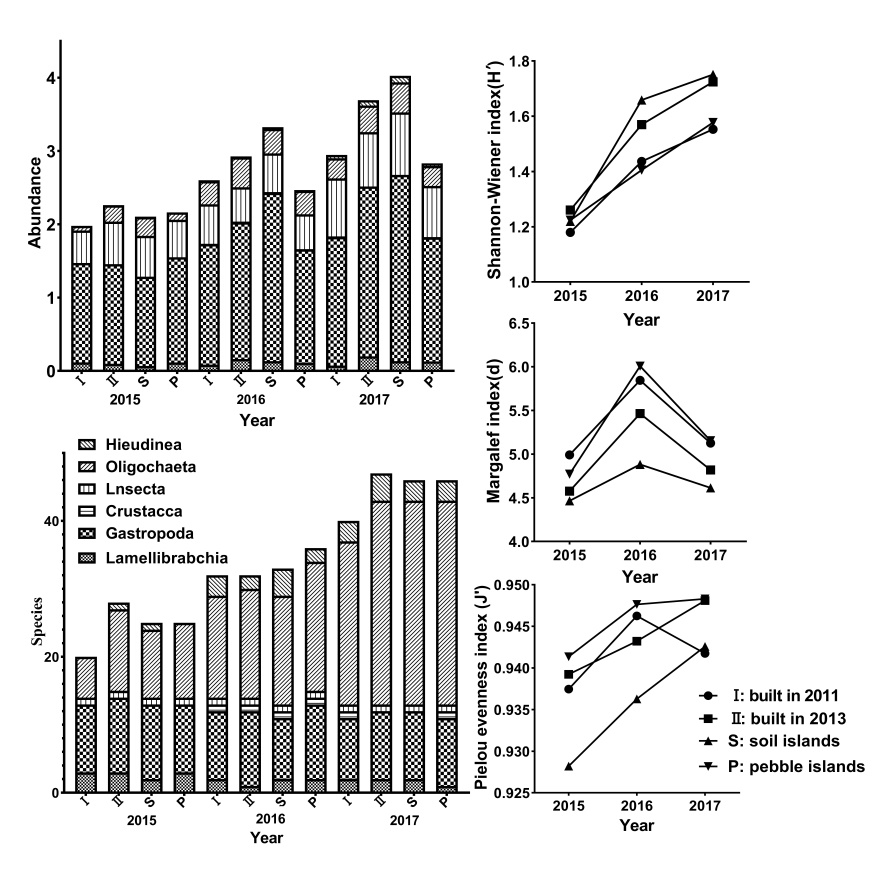


Figure 7 Comparison of the macroinvertebrate composition and biotic indices in the substrate and construction time of the islands.

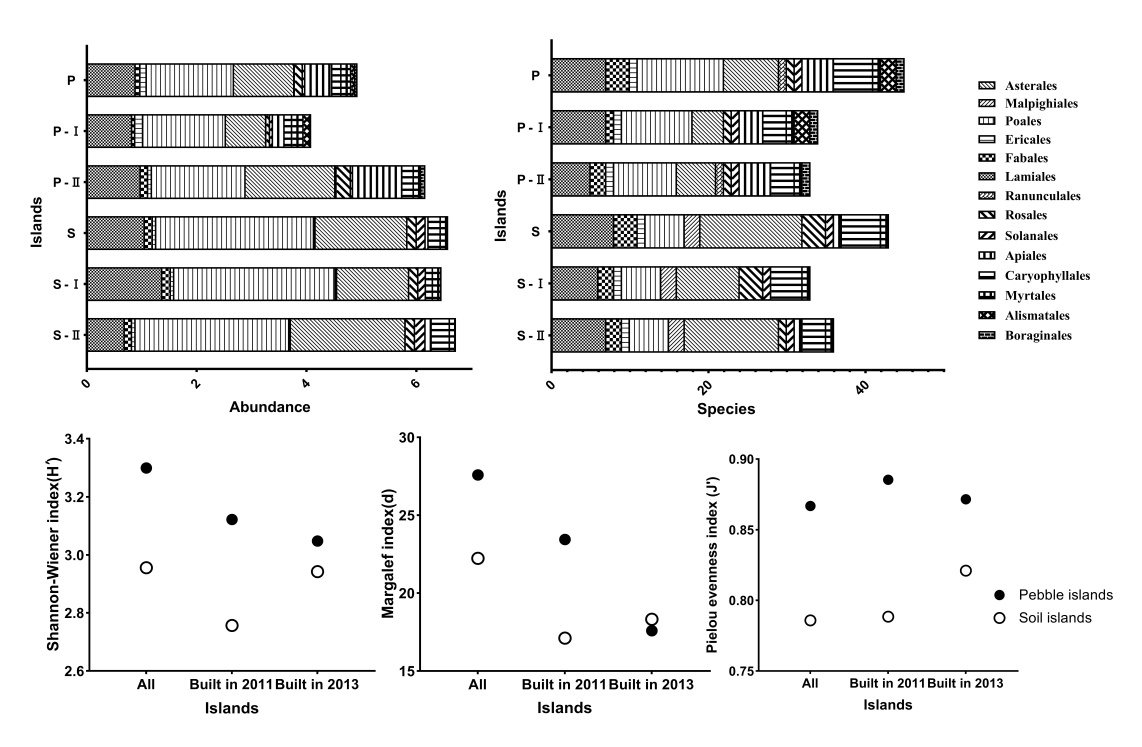


Figure 8 Comparison of the vegetation composition and biotic indices on the islands.

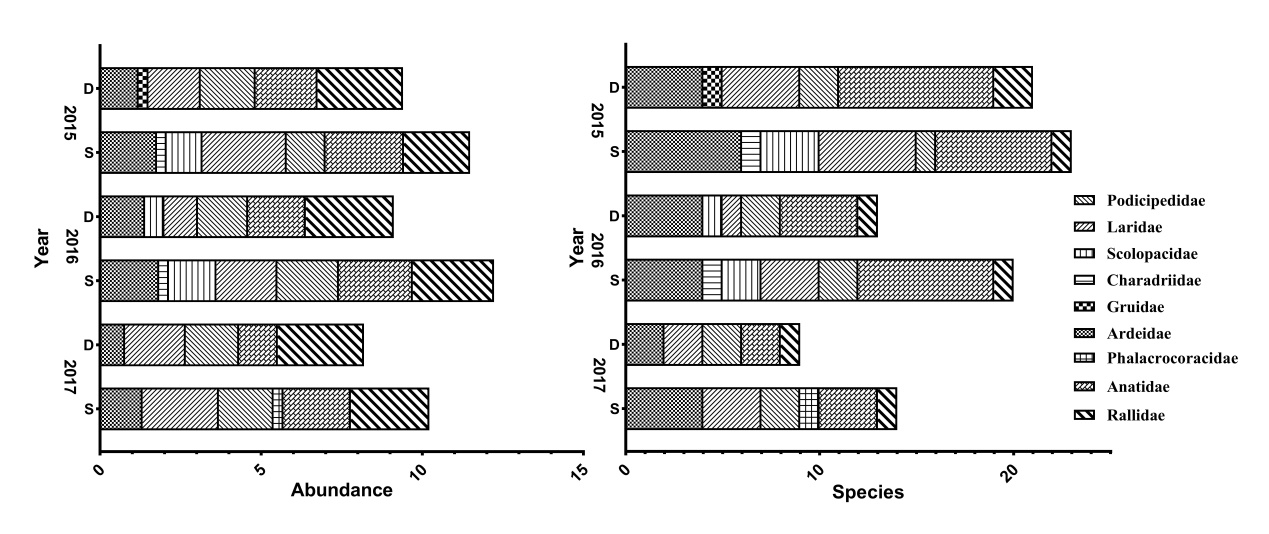


Figure 9 Comparison of the abundance and species of bird taxa between the shallow-water areas and deep-water areas from 2015 to 2017.

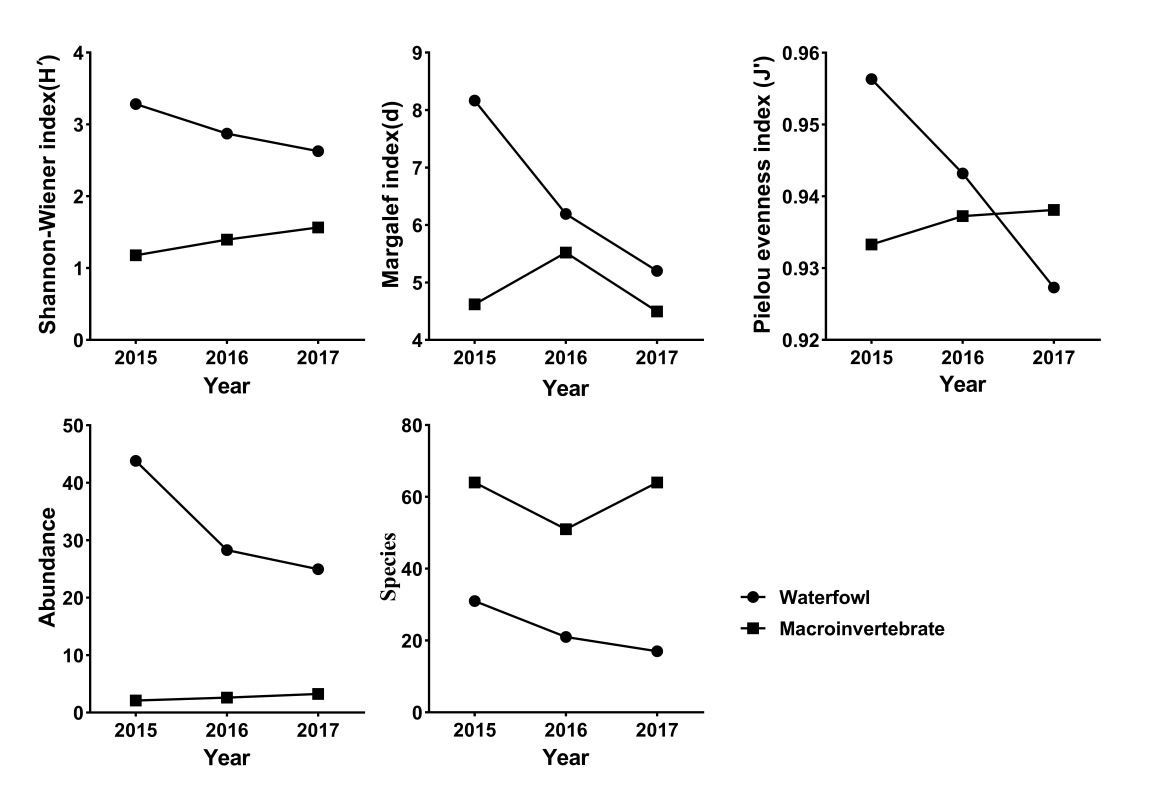


Figure 10 Comparison of the diversity indices of the waterfowl and macroinvertebrates from 2015 to 2017 in the park.