

COMPARISON FISH COMPOSITION OF SOME ESTUARINE REGIONS IN SOUTHWEST WATERS, VIET NAM

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Summary

Fish biodiversity surveys were conducted in some coastal estuarine areas of Southwest waters, Vietnam in 2018, including Giang Thanh, Cai Lon, Ong Doc and Cua Lon. From the results of the study identified a total of 176 fish species of 126 genera, 68 family, 23 orders of cartilaginous fish and bony fish. Cai Lon estuarine area was the most variety diversity with 103 species belonging to 87 genera, 55 families and 19 orders. Ong Doc estuarine area had the least number of species with 30 species belonging to 26 genera, 16 families and 10 orders. Species composition in Giang Thanh and Cai Lon estuaries had highest level of similarity with Sorensen similarity index $SSI = 0.815$, the ecological species groups of these regions resemble each other. Species composition in Ong Doc and Cua Lon estuaries were closed with $SSI = 0.522$ and less similar with the other study areas.

Keywords: *Sorensen Similarity Index, diversity of fishes, Southwestern waters, estuarine area.*