STRUCTURE OF THE PLANKTIVOROUS FISH COMMUNITY ALONG A DEPTH GRADIENT

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Purpose: To study the structure of the planktivorous fish community along a depth gradient (Report No. 79-6)

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Accomplishments: The plankton feeding fishes (*Clepticus, Chromis cyanea, multilineata, C. insulata* and *Eupomacentrus partitus*) were investigated along three 50 m transects at a study area located along the east wall of the Salt River Submarine Canyon. These transects were located along the 15.2, 30.5, 100 and 45.7 m depth contours. The number and locations of these fishes were recorded in five excursions. A diver-towed plankton net was used to collect plankton along the same transect. Ten specimens were collected for further study. The results were preliminary requiring more definite fish and plankton identifications.