

## Note on a deformed Indian mackerel

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An Indian mackerel (*Rastrelliger kanagurta*) with deformed snout was collected from the landings at Kalamukku fish landing centre on 30.12.2015. Out of 50 specimens of *R. kanagurta*, collected for the biological studies, only one fish was observed with a deformed snout. An annotated bibliography with reports of deformities in *R. kanagurta* (George *et al.*,

1959; Jones and Silas, 1962; Bapat and Radhakrishnan, 1966; Noble 1971) indicate relatively rare occurrences (Noble and Geetha, 1992, *CMFRI Special Publication* 52, 126 p). Morphologically the deformed upper snout was blunt shaped while lower jaw protruded out in front. When compared with the normal specimens, the abnormal specimen differed only in the snout region.



Fig. 1. Mackerel with deformed (above) and normal snout (below)