## Fishery-biology studies in the Bay Tarska Vala (Istrian Peninsula - Adriatic Sea)

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Institute of Oceanography and Fisheries, SPLIT (Croatia) The bay Tarska Vala is situated on the Western coast of the Istrian Peninsula. As to the forductivity, it is particularly rich habitat of many marine fishes. Traditionally, the bay has been fished twice a year, in spring and autumn, for more than 900 years (Fig.1). The Iminiary fishery-biology studies of Tarska Vala started in 1989. A total of 13 fish species and 2 cephalopod species were recorded (Table 1). Average catch was around 25,000 kg for the source of the showed the dominance of the following species: Dicemtrachus labrax 4.10.3% and Liza ramada - 9.4.%. Likograthus mormyrus - 16.4%, Dincentrachus labrax - 10.3% and Lizo ramada - 9.4.8. Weight of the catches showed the dominance of the following species: Dicemtrachus labrax 4.5.1%, Liza aurata - 5.4%, Liza ramada - 13.0% and Lithograthus mormyrus - 10.5%. Liza aurata - 5.4%, Liza ramada - 13.0% and Lithograthus mormyrus - 10.5%. Liza aurata - 5.4%, Liza ramada - 13.0% and Lithograthus mormyrus - 10.5%. Liza aurata (Fig. 2) were best represented in this and all the earlier catches; analyzed individuals of 22.3-36.6 cm length range and mean length XL = 29.13, cm belonged to the third, fourth and older age groups and for the most part (more than 85%) exceeded minimum length at first maturity (up to 26 cm) (MOROVIC, 1962). A comparison of the mean lengths of analyzed specimens of all the catches realized by now (Nov, 1989 - XLT = 27.85; Dec., 1990 - XLT 29.05; May, 1991 - XLT = 29.81; Dec., 1991 - XLT = 29.13) showed very small departures and a slight increase trend confirming that this population is, for the time being, normally disegnerated and recruited. Fish from autumn catches were already spawned which is in constrarchus labrax (Fig. 3) is a permanently present species in the catches with rather fonsiderable variations in quantity; 66 analyzed specimens of 30.5-88.0 cm length range and mean total length XLT = 41.17 cm belonged to the third to eleventh age groups. Minimum

There is no need to limit the fishing in Tarska Bay.



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