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Des études sur l'évaluation du stock et la biologie de la Sériole couronnée ont été effectuées en 1989, 1990 et 1991 dans le Canal de Sicile. L'étude de l'âge et de la croissance de l'espèce fait partie des objectifs de cette recherche. La corrélation taille-poids obtenue est la suivante : W = 0.000049 SL 2.723. L'évaluation de l'âge, effectuée par la lecture des écailles a permis de séparer 8 classes d'âge ; on n'a pas considéré nécessaire de séparer les deux sexes pour ce qui concerne la croissance. Les paramètres de von Bertalanffy sont les suivants: Loo (cm) = 167; to = -0.770; K = 0.1850.

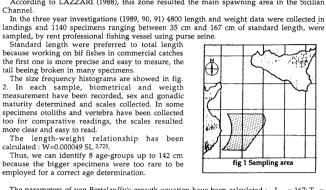
In a research programme on the biology and the stock assessment of Greater Amberjack, the growth of this species has been studied. This species is interesting for Italian fishery because it is an important underexploited resource. It is very important for mariculture because it is possible to obtain high growth value in a short time. Greater Amberjack is a cosmopolitan fish with a large distribution in the world. This species is catched by fishermen using trammel net and purse seine but the sportive capture carried out mainly on the juvenile by trolling is not tractivable. trascurable.

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The investigation area was the South Tirrhenian Sea and the Sicilian Channel but the data used in the present work are coming only form south Lampedusa island fishing zone (fig. 1) because in relation with preliminary data it is possible to suppose that we have not one unit stock in the whole area.

According to LAZZARI (1988), this zone resulted the main spawning area in the Sicilian

Channel.

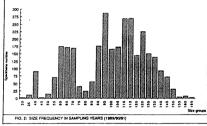


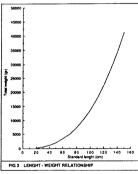
The parameters of von Bertalanffy's growth equation have been calculated:  $L_{oo}$  = 167;  $T_{o}$  = -0.770; K = 0.1850. Growth curves were calculated separately for the two sexes but there are not significative differences between males and females so, just one growth curve is proposed (fig. 4).

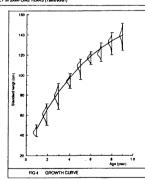
Since samplings have been always carried out during the spawning period, each agering correspond to a real fish year

life.

In litterature there are not references for wild Greather Amberjack age determination but only for growth obtained in mariculture or for the other species of the genus.







## REFERENCES

LAZZARI A. and BARBERA G., 1988. - First data on the fishing of Yeloowtail (Seriola dumerilii) spawners in the Mediterranean Basin. Journal of Aquatic products 2,1 (1988):133.142.