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CONTRIBUTO ALLA CONOSCENZA DELLA RIPRODUZIONE
DELLE TROTE INDIGENE NEL LAGO
DI POSTA FIBRENO (LAZIO)
(OSTEICHTHYES. SALMONIDAE)

SUMMARY

CONTRIBUTION TO THE KNOWLEDGE OF TWO ENDEMIC TROUT POPULATIONS REPRODUCTION IN THE LAKE POSTA FIBRENO (LATIUM) (OSTEICHTHYES, SALMONIDAE). - It has compiled a study concerning some aspects about the reproductive biology of the two different native populations of Salmonid in the Lake Posta Fibreno. The research had like as object the individualization of the maturation cycle of the gonads, the reproduction period and the size in wich will be reach the sexual maturation in each population. About the reproduction periods a temporal difference between *Salmo* sp., locally know as • carpine • and *Salmo (trutta) macrostigma* has been perceived : the *Salmo* sp. reproduction happen in the period of December-January ; the *Salmo (trutta) macrostigma* reproduction happen in February-March.

Regarding the relation between the size and the sexual maturation in in *Salmo* sp., the individuals are sexually mature when their size are extremely lessned (11-12 cm. in male, 13-14 cm. in female), while the sexual maturation is reached in considerably elder sizes in the *Salmo (trutta) macrostigma*. Some differences about the reproductive biology in the two Salmonids are so important that would determinate the reproductive isolation in these populations.