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INDAGINI ITTIOLOGICHE PRELIMINARI SUL LAGO DEL SEGRINO (CO), PER FINI GESTIONALI

SUMMARY

A FIRST ICHTHYOLOGICAL SURVEY FOR A MANAGEMENT PLAN OF LAKE SEGRINO (NORTHERN ITALY). - A preliminary study of the fish fauna present in the Lake Segrino has been started to obtain first-hand operational suggestions aimed at a management and intervention(s) on the whole lake ecosystem.

Initially all possible informations were gathered also through enquiries and/or active contacts with interested anglers. Fish samples were then collected and laboratory analysis started.

The first set of data demonstrated the presence of at least 12 species of fish, of which some are particularly frequent (*Rutilus erythrophthalmus*, *Scardinius erythrophthalmus*, *Perca fluviatilis*, *Tinca tinca*). The frequency observed suggest a possible connection with the meso-eutrophic conditions of the waters. The presence of fairly high numbers of *Chondrostoma soetta* must be referred to secondary colonization due to artificial introduction.

Of the sampled fish, age was assessed (by scalimetry and/or operculimetry) and growth curve against time determined. Growth curves have been compared with those available for other localities.

Management suggestions stress the urgency of protecting and maintaining of spawning grounds, which are mainly concentrated along the edges of reed-beds and other macrophytic coastal belts. A correct control of the water regime also appears essential. The suggestion is forwarded to reach a different balance between some of the more valuable species with adequate implements of high quality stocks of specimen adaptable to local conditions.