

**D-09 : PRODUCTIVENESS OF *Tilapia rendalii* IN A HILL COUNTRY,
DEEP RESERVOIR - CASTLEREIGH RESERVOIR**

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Castlereigh reservoir (320 ha) is one of the few deep, hill country reservoirs. It has an established fishery. From 1983 to 1990, 94,300 *Cyprinus carpio* (common carp), 56,000 tilapia, 43,050 *Labeo rohita* (rohu), 18,400 *Catla catla* (catla), 3,700 *Aristiththys nobilis* (bighead carp) and 1,450 *Hypophthalmichthys molitrix* (silver carp) were stocked in this reservoir by the Ministry of Fisheries. Species composition of tilapia was approximately 80% *Oreochromis niloticus*, 10% *Oreochromis mossambicus* and 10% *Tilapia rendalii*.

Presently, 16 fibre-glass crafts, distributed by the Ministry of Fisheries under the 90% subsidy scheme are being used by fishermen for gill netting. Average daily catch per craft is approximately 6.0 kg. 74.2% of the catch by number is *Tilapia rendalii*, 12.4% *Oreochromis* species, 8.3% *Tor khudree longispinis* (mashier) and the balance consists of introduced carp species.

The above data indicate that *Tilapia rendalii* is the major species present in the catch, which is contradictory to the observations recorded for other reservoirs in Sri Lanka.

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