

Reproductive Biology of Fringe-Lipped Carp, *Labeo fimbriatus* (Bloch) from Vanivilas Sagar Reservoir of Karnataka, India

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Abstract : The 'fringed - lipped' peninsula carp *Labeo fimbriatus* is a potential and an abundant fish species in rivers and reservoirs of peninsular India. It contributes a part of the inland fish production and also plays a role in the rural economy in major carp deficient regions of India. The fish is locally called as 'Kemmeen' in Karnataka. Month wise samples were collected from the Vanivilasa Sagar Reservoir fish landing centre and fishing villages around the reservoir. Present investigation on the reproductive biology showed the occurrence of ripe gonads more during October, November, December and January. Thus it is concluded that spawning season coinciding with monsoon season and the size at maturity was found to be 36 and 37 cm total length (M and F). This study will throw light on reproductive biology of fish for captive brood stock development, breeding and rearing of *Labeo fimbriatus*. Since this fish is commercial important the study would help to take up hatchery production.

Keywords : inland, maturity, peninsula carp, reservoir

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