



## Eye Abnormality in the Fry of *Barilius Bendelisis* (Ham.) from Garhwal Himalaya, India

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### ABSTRACT

The present paper deals with the sex composition of hill-stream ornamental fish *Barilius bendelisis* from Garhwal, central Himalaya, India.

**KEYWORDS :** *Barilius bendelisis*, abnormality, Garhwal Himalaya, India.

### INTRODUCTION

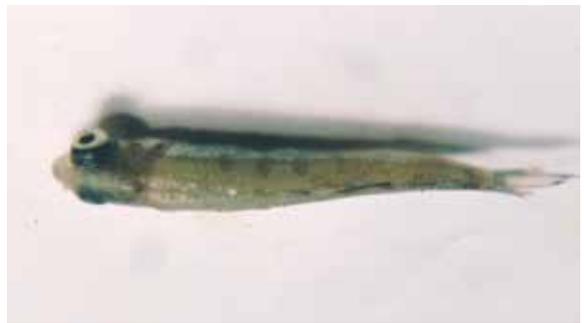
An abnormal fry of *Barilius bendelisis* (Hamilton) was recorded during the routine aquatic biodiversity survey by the departmental research team. The abnormal character and taxonomic study of the fish is presented. Deformities among fishes in Garhwal Himalaya have already been reported based on the fins, vertebral column, eye and snout structures (Singh, et. al., 1981, 1982, Dobriyal et. al., 1989; Bahuguna et. al., 2005).

### MATERIALS AND METHODS

During the sampling survey of biodiversity analysis in Randi stream, a tributary of river Alaknanda, an abnormal fry of *Barilius bendelisis* (Ham.) was recovered on 28.01. 2015, which had left eye perfectly normal but the right abnormal eye was highly bulged. (Fig1).

### OBSERVATIONS AND DISCUSSION

The morphometric characters of the fish are body length-34mm, standard length-28mm, caudal length-6mm, head length-7mm, snout length 2mm and eye diameter 3mm. Diameter of both the eyes were normal, but the only abnormality was that the right eye was bulged up to 2mm. This abnormality seems to be inborn and doesn't appear to be due to any external injury.



**Fig. 1- Fry of *Barilius bendelisis* (Ham) showing the eye abnormality**

### REFERENCES

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