



Clarification of type material for Bornean species of the genus *Osteochilus* (Cyprinidae)

CALEB D. MCMAHAN¹ & SUSAN F. MOCHEL

The Field Museum of Natural History, 1400 S. Lake Shore Dr., Chicago, IL 60605 USA

¹*Corresponding Author. E-mail: cmcmahan@fieldmuseum.org*

Abstract. Two species and one subspecies of the genus *Osteochilus* (Cypriniformes: Cyprinidae) were described from Borneo in a revision of the group by Karnasuta in 1993. Examination of type material has illuminated points of conflict regarding some of the type specimens listed in original descriptions. Based on archived correspondence and the author's original thesis, we were able to determine the disposition of specimens and revise collection information for type material accordingly.

Key words: taxonomy, Asia, specimens, types

Introduction

Karnasuta (1993) conducted a taxonomic revision of species of *Osteochilus* (Cypriniformes: Cyprinidae) occurring in Borneo. This work was a result of a 1981 graduate thesis at the University of Alberta under the supervision of Dr. Joseph Nelson. Examination of specimens in the Collection of Fishes at The Field Museum of Natural History (FMNH) has revealed points of confusion and conflict regarding some of the type material listed in Karnasuta (1993). Based on archived correspondence and the author's original thesis, we were able to determine the disposition of specimens and revise collection information accordingly. The purpose of this paper is to clarify information regarding type material for Bornean species of *Osteochilus* from Karnasuta (1993).

SPECIES ACCOUNTS FROM KARNASUTA (1993)

Osteochilus ingeri

Holotype—FMNH 68540. 111.8mm SL, as published (Fig. 1).

Paratypes—FMNH 94180. This lot of paratypes is reported in Karnasuta (1993) as FMNH 68540; however, this is because the holotype was taken from this lot and the remaining specimens were to become paratypes. Thus, these specimens have been assigned to FMNH 94180 to separate them from the holotype. Additionally, Karnasuta (1993) reports 21 specimens but this is in error as there are actually 22 specimens in this lot.

FMNH 51606. As published with the exception of counts. Karnasuta (1993) lists 17 specimens; however, 18 paratypes are in this lot.

FMNH 51607. N=50 specimens, as published.

FMNH 44739. N=4 specimens, as published.

FMNH 68541. 15 specimens (13 alcohol and 2 cleared and stained). Two cleared and stained specimens are reported in Karnasuta (1993); however, one cleared and stained specimen appears to have been lost. Upon return of the material, these 13 fluid specimens appear to have been combined with the remaining 11 specimens from this lot that were never sent on loan. The remaining 11 specimens were not examined as part of Karnasuta's dissertation or the subsequent revision of *Osteochilus*. Given the range of sizes reported for the 15 specimens, it is impossible to distinguish the 15 specimens originally designated as paratypes. Thus, the count for this lot is now 26, with some 15 individuals of the lot being the designated paratypes of Karnasuta (1993).