

Chromidotilapia (Teleostei: Cichlidae) in Gabon, with a redescription of *Chromidotilapia regani* (Pellegrin, 1906)

Die Arten der Gattung *Chromidotilapia* (Teleostei: Cichlidae) in Gabun, mit
der Wiederbeschreibung von *Chromidotilapia regani* (Pellegrin, 1906)

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Summary: An overview of all recently known species of the genus *Chromidotilapia* in Gabon is given, with short descriptions of some characters (body depth, dorsal and anal fin counts, number of lateral line scales, number of branchiospines on first branchial arch) and colouration. A redescription of *Chromidotilapia regani* is presented. This species can be distinguished from all other members of the genus by the high number of branchiospines on the outer branch of the first gill raker and the length of the first dorsal fin spine in juveniles and semiadults, and also in colouration.

Keywords: Gabon, *Chromidotilapia*, *Chromidotilapia regani*.

Zusammenfassung: Diese Arbeit gibt einen Überblick über alle derzeit bekannten Arten der Gattung *Chromidotilapia* in Gabun mit kurzen Beschreibungen einiger Merkmale (Körperhöhe, Zählwerte der Dorsalis und Analis, Anzahl der Schuppen der Seitenlinien, Anzahl der Kiemenreusendornen auf erstem Kiemenbogen) und der Färbung. *Chromidotilapia regani* wird für wieder gültig erklärt; die Art unterscheidet sich von allen anderen Arten der Gattung durch die hohe Anzahl von Kiemenreusendornen auf dem ersten Kiemenbogen, die Länge des ersten Stachelstrahles der Dorsalis bei Jungfischen und halbwüchsigen Exemplaren sowie durch Merkmale in der Färbung.

Schlüsselwörter: Gabun, *Chromidotilapia*, *Chromidotilapia regani*.

1. Introduction

The genus *Chromidotilapia* Boulenger, 1898 belongs to the group of the chromidotilapine cichlids, which was defined by five synapomorphies by Greenwood (1987). *Chromidotilapia* is mainly to distinguish from all other chromidotilapiine genera by the combination of five openings in the lacrymal (with the exception of *C. schoutedeni*, which has only four), four additional infraorbital bones, and 14-16 circumpeduncular scales (Greenwood 1987, Lamboj 2000, Lamboj and Snoeks 2000).

Following Greenwood (1987) and the "Check List of the Freshwater Fishes of Africa" (Da-

get et al. 1991), until 1991 only one species was valid and described for Gabon: *Chromidotilapia kingsleyae* Boulenger, 1898.

Later collections in Gabon indicated the possibility that more species were present. Numrich and Wunderlich (1988a, b) collected one *Chromidotilapia*-species which they named *C. spec. "Atogafina"* in the northwest of Gabon, but this was shown to represent a population of *C. kingsleyae* (Lamboj, 1997, Lamboj und Snoeks 2000). In 1994 a new *Chromidotilapia* species was mentioned by Weidner (1994), which was described by Lamboj (2002). Collections by C. Hopkins (CU), M. Stiassny (AMNH) and D. Adriaens (Univer-