



***Hemitriakis indroyonoi* sp. nov., a new species of houndshark from Indonesia (Carcharhiniformes: Triakidae)**

WILLIAM T. WHITE^{1,4}, LEONARD J.V. COMPAGNO² & DHARMADI³

¹CSIRO Wealth from Oceans National Research Flagship, GPO Box 1538, Hobart 7001, Australia

²Shark Research Centre, Iziko – Museums of Cape Town, P.O. Box 61, Cape Town 8000, South Africa

³Research Center for Capture Fisheries, Agency for Marine and Fisheries Research, Department of Marine Affairs and Fisheries, Jl. Pasir Putih I, Ancol Timur, Jakarta Utara, 14430, Indonesia

⁴Corresponding author. E-mail: william.white@csiro.au

Abstract

A new species of the genus *Hemitriakis* Herre, 1923 (Family Triakidae, Order Carcharhiniformes), is described from off the islands of Bali and Lombok in eastern Indonesia. *Hemitriakis indroyonoi* is separable from the other congeners, *H. abdita*, *H. complicofasciata*, *H. falcata*, *H. japanica* and *H. leucoperiptera*, by a combination of vertebral counts, morphometric characters, and juvenile coloration. *H. indroyonoi* is most similar to *H. falcata* from northwestern Australia but differs in juvenile coloration, some meristic and morphological characters, size and cranial morphology. The new species is allopatric to other members of this genus.

Key words: Triakidae, taxonomy, new species

Introduction

The genus *Hemitriakis* Herre, 1923 currently consists of 5 formally named species, *H. abdita* Compagno & Stevens, 1993 from northeastern Australia, *H. complicofasciata* Takahashi & Nakaya, 2004 from Japan and Taiwan, *H. falcata* Compagno & Stevens, 1993 from northwestern Australia, *H. japanica* (Müller & Henle, 1839) from Japan, China and Taiwan, and *H. leucoperiptera* Herre, 1923 from the Philippines. In addition, Compagno *et al.* (2005) also detailed an undescribed species from the Philippines, *H. sp. A*, which is clearly separable from the sympatric *H. leucoperiptera*. Each of the species currently recognised has a fairly restricted geographic distribution and many are known from few individuals.

Recent market surveys in eastern Indonesia between 2001 and 2006 yielded numerous chondrichthyan species (White *et al.*, 2006). Included in this material are a large number of triakid specimens, including a number of individuals of a houndshark (Triakidae, Carcharhiniformes) that represent the first confirmed Indonesian record of the genus *Hemitriakis* Herre, 1923 as delimited by Compagno (1970). This species, referred to as *Hemitriakis* sp. 1 in White *et al.* (2006), is formally named and comparisons are made with other members of this genus.

Methods

Morphometric characters were selected to enable comparisons of the new *Hemitriakis* species with other members of the genus. The holotype and 5 paratypes (CSIRO H 5873–05, CSIRO H 6817–01, CSIRO H 6817–02, CSIRO H 6817–03 and CSIRO H 6818–01 (1 male specimen)) of this species was measured in full