

[단보, Short communication]

First Record of *Antillophos nigroliratus* (Habe, 1961) (Gastropoda: Buccinoidea: Nassariidae) from Korea

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ABSTRACT

A single individual marine gastropod species was collected by harbor survey (Seogwipo port) and was identified as *Antillophos nigroliratus* (Habe, 1961). To date, 24 species from five genera and three subfamilies in the family Nassariidae have been recorded in Korea. In this study, we provide descriptions and photographs of *A. nigroliratus* as a new record in Korean waters.

Keywords: New record, *Antillophos nigroliratus*, Harbor survey, Korea

INTRODUCTION

The family Nassariidae, commonly known as mud snails or dog whelks, is predominantly composed of small-size marine gastropod. It is found throughout worldwide oceans, tropical, temperate and cold waters (Cernohorsky, 1972; Nekhaev, 2014; Galinodo *et al.*, 2016). Members of family Nassariidae mostly occur in intertidal soft sandy and muddy habitats, although some species have been found in deep waters (Cernohorsky, 1972; Nekhaev, 2014; Galinodo *et al.*, 2016). They are a group of scavengers that play an important role in the balance of the benthic communities (Zou *et al.*, 2012).

According to the WoRMS 2015 data, over 2,500 nominal nassariids, including 1,320 extant and 1,180 fossils, have been established. They are divided into 4 subfamilies, 12 genera and 25 subgenera traditionally (Allmon, 1990; Cernohorsky, 1984; Galinodo *et al.*,

2016; Haasl, 2000; Kantor and Kilburn, 2001; Pastorino, 1993). Based on recent molecular analysis of the Nassariidae, several genera (*Anentome*, *Antillophos*, *Engoniophos*, *Macron*, *Nassaria*, *Northia*, *Neoterion*, *Trajana* and *Phos*) of Buccinidae have been transferred to the Nassariidae (Galinodo *et al.*, 2016). In Korea, 24 species from 5 genera and 3 subfamilies in the family Nassariidae have been recorded (Choe, 1992; Lee, 2016; Lee and Min, 2002; Min *et al.*, 2004; NIBR, 2019).

In this study, a specimen was collected by harbor survey in Seogwipo port, from a fishing boat which using a trawl net offshore around Jeju Island, Korea. The morphological feature of this specimen was examined using a stereomicroscope (Leica, MZ12.5, Germany). Based on its shell characters, this specimen was identified as *Antillophos nigroliratus* (Habe, 1961), the first record from Korean waters. The specimen was deposited at National Marine Biodiversity Institute of Korea (MABIK), Seocheon, Republic of Korea.

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SYSTEMATIC ACCOUNTS

Class Gastropoda Cuvier, 1795 복족강
Subclass Caenogastropoda Cox, 1960 신생복족아강
Order Neogastropoda Wenz, 1938 신복족목
Superfamily Buccinoidea Rafinesque, 1815 물레고둥상과

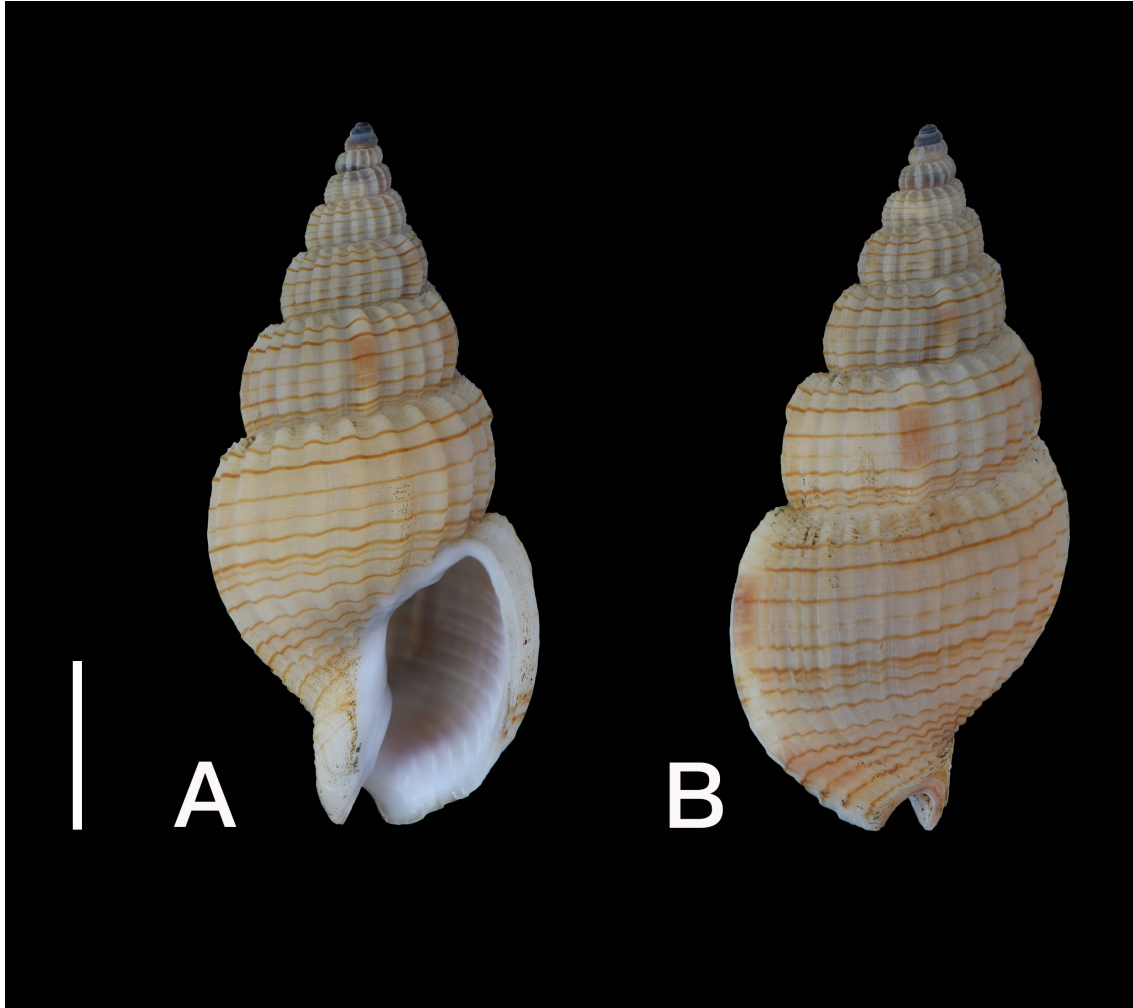


Fig. 1. *Antillophos nigroliratus*. A. ventral view; B. dorsal view. Scale bar: 10 mm.

Family Nassariidae Iredale, 1916 (1835) 좁쌀무늬고둥과
Subfamily Photinae Gray, 1857 좁물레고둥아과
Genus *Antillophos* Woodring, 1928 긴좁쌀물레고둥속(신칭)

***Antillophos nigroliratus* (Habe, 1961) (Fig. 1)**

갈색띠긴좁쌀물레고둥(신칭)

Phos nigroliratus, Habe, 1961: 21, pl. 31, Fig. 9;
Cernohorsky, 1987: 108-109, Fig. 4; Okutani, 2000:
474-475, pl. 236, Fig. 99.

Antillophos nigroliratus: Poppe, 2008: 42-43, pl. 316, Fig. 6

Type locality: Off Isshiki-cho, Hazu-gun, Aichi Pref.,
Honshu, Japan (Habe, 1961).

Habitat: Sandy gravel or muddy bottoms, 50-200 m
deep.

Distribution: Japan (Habe, 1961; Okutani, 2000),
Philippines (Cernohorsky, 1987; Poppe, 2008), and
Korea (Jeju Island, this study).

Material examined: 1 specimen (MABIK MO00175232),
Seogwipo port, Seogwipo-si, Jeju-do, 28 July 2019, S-H. Lee.

Measurement: Shell height 42 mm; shell width 17 mm.

Description: Shell small, slender fusiform with low
spire. Whorls 8-9 in number with deep sutures and
spire approximately 1/2 of shell height. Shell surface
light yellowish with red-brown thin band on whorls.
Protoconch small, conical, apex eroded with blackish
navy. Teleoconch whorls sculptured with closely spaced
low axial ribs, with 7-9 short keels on spire.
Intersections of oblique axial ribs and spiral sculpture
with nodules. Aperture auriform, outer lip thick and

strong, inside white with spiral lirae. Columella straight and short, covered with callous. Siphonal canal straight and short, opened.

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