

Biodiversity Record: Additions to the records of gastropods of Pulau Satumu

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Recommended citation. Tan SK & Low MEY (2025) Biodiversity Record: Additions to the records of gastropods of Pulau Satumu. Nature in Singapore, 18: e2025066. DOI: 10.26107/NIS-2025-0066

Subjects: *Conus cossors* (Mollusca: Gastropoda: Conidae), Fig. 1A;

Vexillum subdivisum (Mollusca: Gastropoda: Costellariidae), Fig. 1B;

Erronea cylindrica (Mollusca: Gastropoda: Cypraeidae), Fig. 1C, D;

Nassarius nodiferus (Gastropoda: Nassariidae), Fig. 1E;

Nassarius crenoliratus (Mollusca: Gastropoda: Nassariidae), Fig. 1F;

Polinices constanti (Mollusca: Gastropoda: Naticidae), Fig. 1G;

Otopleura auriscati (Mollusca: Gastropoda: Pyramidellidae), Fig. 1H;

Laevistrombus turturilla (Mollusca: Gastropoda: Strombidae), Fig. 1I;

Tectus pyramis (Mollusca: Gastropoda: Tegulidae), Fig. 1J.

Subjects identified by: Tan Siong Kiat.

Location and dates: Singapore Strait, Pulau Satumu (Raffles Lighthouse); see Table 1.

Habitat: Marine.

Observer: Tan Siong Kiat. Based on material deposited in the Zoological Reference Collection (ZRC) of the Lee Kong Chian Natural History Museum (LKCINHM), at the National University of Singapore.

Observations: Many additional specimens from Pulau Satumu have been identified and incorporated into the ZRC after the compilation of its malacofauna by Tan & Low (2022). A selection of nine species were examined (Table 1) and are treated in this note. All were derived from the Chuang Shou Hwa collection (ex. coll. SH Chuang herein) recently acquired by the LKCINHM (see Yong & Ho, 2024).

Table 1. Details of the Pulau Satumu material examined and included in this study. SL = shell length.

Species	Material examined
<i>Conus cossors</i>	1 example, SL 54.2 mm (ZRC.MOL.31728 [ex coll. SH Chuang]), coll. May 1962.
<i>Vexillum subdivisum</i>	1 example, SL 38.4 mm (ZRC.MOL.31665 [ex coll. SH Chuang]), coll. 3 May 1962.
<i>Erronea cylindrica</i>	1 example, SL 22.9 mm (ZRC.MOL.31525 [ex coll. SH Chuang]), coll. 15 May 1960.
<i>Nassarius nodiferus</i>	1 example, SL 26.2 mm (ZRC.MOL.31668 [ex coll. SH Chuang]), coll. 3 May 1962.
<i>Nassarius crenoliratus</i>	1 example, SL 9.7 mm (ZRC.MOL.31667 [ex coll. SH Chuang]), coll. 3 May 1962.
<i>Polinices constanti</i>	1 example, SL 20.6 mm (ZRC.MOL.31730 [ex coll. SH Chuang]), coll. May 1962.
<i>Otopleura auriscati</i>	1 example, SL 27.2 mm (ZRC.MOL.31669 [ex coll. SH Chuang]), coll. 3 May 1962.
<i>Laevistrombus turturilla</i>	1 subadult example, SL 45.8 mm (ZRC.MOL.31734 [ex coll. SH Chuang]), coll. May 1962.
<i>Tectus pyramis</i>	1 subadult example, SL 37.2 mm (ZRC.MOL.31735 [ex coll. SH Chuang]), coll. May 1962.

Remarks: Five of the nine species featured are new to the malacofaunal records of Pulau Satumu. This brings the total number of recorded species to 344, or 339 if the ones regarded to be likely erroneous are excluded (see Tan & Low, 2022; Tan & Low, 2025).

This record of *Conus cossors* (Fig. 1A) provides verification for the record that was based on an eroded shell determined with some doubt in Tan & Low (2022: fig. 44H).

The examined specimen of *Vexillum subdivisum* (Fig. 1B) is a bit worn and was probably collected dead or inhabited by a hermit crab. This species is apparently uncommon in Singapore with very few records in the literature. The *Mitra costellaria* (sic [= *costellaris*]) in Chuang (1973) is a junior subjective synonym.

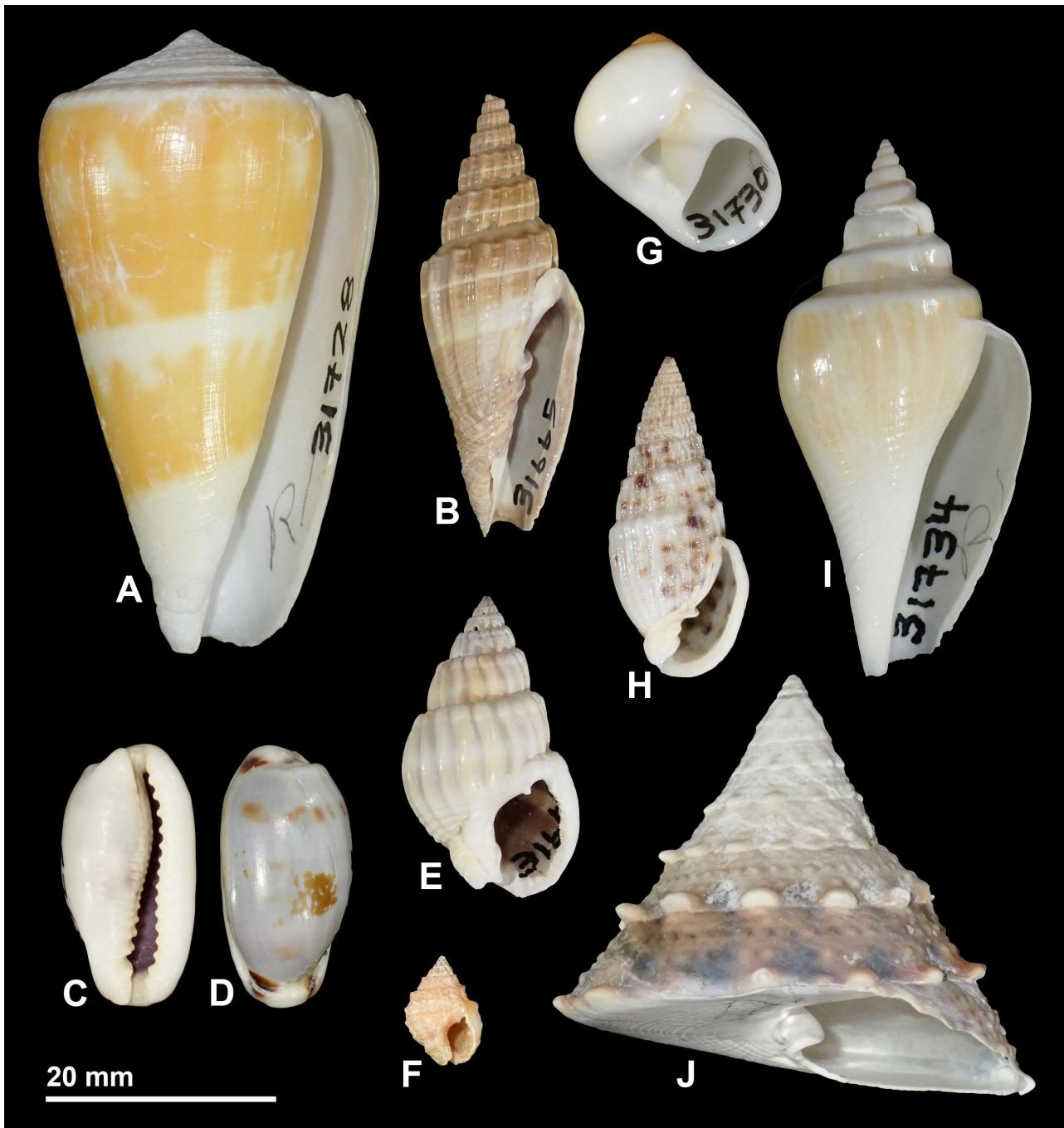


Fig. 1. A, *Conus consors* (ZRC.MOL.31728). B, *Vexillum subdivisum* (ZRC.MOL.31665). C, D, *Erronea cylindrica* (ZRC.MOL.31525), ventral (C) and dorsal (D) views. E, *Nassarius nodiferus* (ZRC.MOL.31668). F, *Nassarius crenoliratus* (ZRC.MOL.31667). G, *Polinices constanti* (ZRC.MOL.31730). H, *Otopleura auriscati* (ZRC.MOL.31669). I, *Laevistrombus turturilla* (ZRC.MOL.31734). J, *Tectus pyramis* (ZRC.MOL.31735) (Photographs by: Tan Siong Kiat).

Erronea cylindrica (Figs. 1C, D) appears to be quite uncommon in Singapore with relatively few mentions in the literature. A more recent published record of this species was from Pulau Semakau (Tan & Yeo, 2010, as *Cypraea cylindrica*).

The *Nassarius nodiferus* (Fig. 1E) figured herein is a better representative specimen compared to the subadult figured in Tan & Low (2022: fig. 43J).

Nassarius crenoliratus (Fig. 1F) was listed based on a record in the literature and was not figured in Tan & Low (2022). The orange specimen figured herein is discoloured, suggesting that it was collected dead.

The identification of *Polinices constanti* (Fig. 1G) herein is tentative as several species, easily separable with molecular data, have practically identical shells (see Huelsken et al., 2012). Prior Singapore records of *Polinices flemingianus*

(e.g., Kabat, 2000, as *Polinices flemingiana*; Sanpanich & Tan, 2016) are likely conspecific. A taxonomic study will be needed to properly reassess the local material.

The earliest Singapore record of *Otopleura auriscati* (Fig. 1H) appears to be in Chuang (1973, as *Pyramidella auriscatae*) based on material found at Telok Paku. This species has also reported from Pulau Semakau where they were found at the edges of the mangroves, seagrass meadows and muddy sand areas of the intertidal flats (Tan & Yeo, 2010).

This record of *Laevistrombus turturilla* (Fig. 1I) is a subadult specimen. All previous Singapore records of *Laevistrombus canarium* (e.g., Sanpanich & Tan, 2016) are almost certainly erroneous and refer to this species instead.

The specimen of *Tectus pyramis* (Fig. 4J) from Pulau Satumu serves to illustrate the species which was not figured in Tan & Low (2022) because it was based only on records in the literature. The figured specimen is a relatively small subadult specimen.

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