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Biodiversity Record: New record of the snail, *Phosinella emina,* in Singapore

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Subjects: Emina risso snail; *Phosinella emina* (Mollusca: Gastropoda: Rissoidae).

Subjects identified by: Lau Wing Lup and Chan Sow-Yan.

Location, dates and times: Singapore Island / Johor Strait, Punggol Beach Park; 22 April 2026 at 1012 hrs, 23 May 2026 at 1020 hrs, 16 July 2026 at 0757 hrs.

Habitat: Estuarine shore. Intertidal zone under rocks at low tide.

Observers: Lau Wing Lup and Chan Sow-Yan.

Observations: On 22 April 2026, two examples were found separately — an adult of about 3.2 mm shell height (Fig. 1) and a juvenile of about 2.5 mm shell height with intact protoconch (Fig. 2). On 23 May and 16 July 2026, five live specimens of about 1.5–2 mm shell height were found together on yellow sponge under one rock (Figs. 3–5). These snails could be feeding on the sponge. The snail's foot and tentacles appear white to yellowish white. A pair of black eye spots is situated at the tentacle base (Fig. 4). Most adult specimens found did not have intact protoconch.

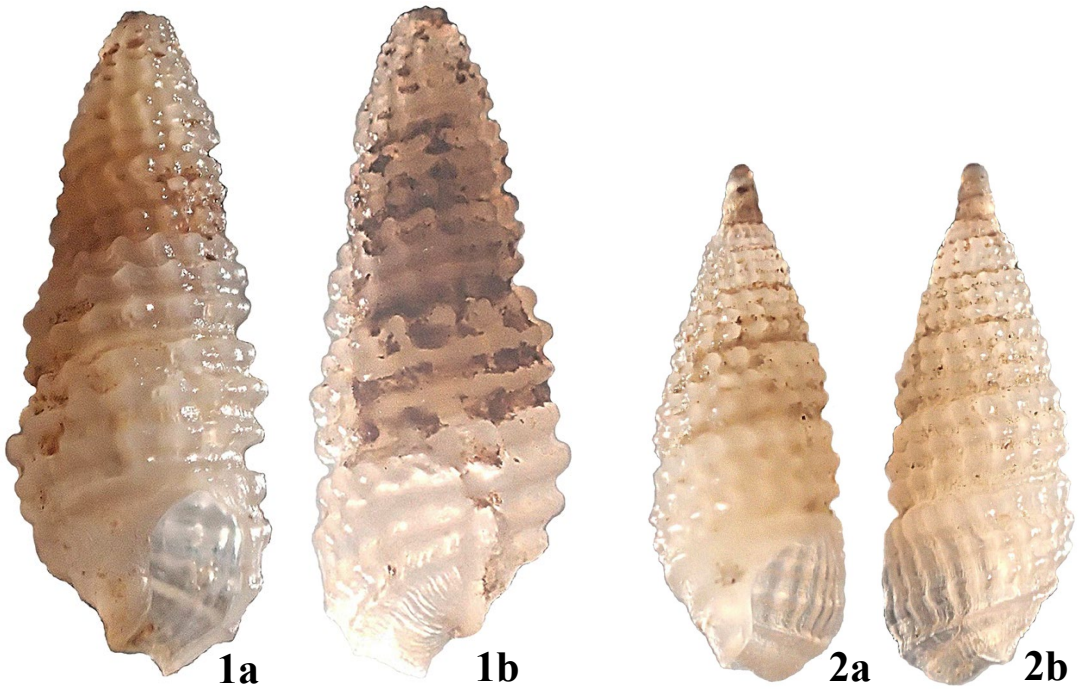

Fig. 1. Apertural (a), and abapertural (b) views of adult *Phosinella emina* of 3.2 mm shell height. Fig. 2. Apertural (a) and abapertural (b) views of juvenile of about 2.5 mm shell height with intact protoconch intact. (Photographs by: Lau Wing Lup).

After being cleaned of debris, the shells appear elongate, conical, white, and translucent. The teleoconch whorls are divided by channelled sutures. The whorls are angulated and have prominent axial ribs, with nodules forming on the intersecting points between the axial and spiral ribs. There are 5 spiral cords on the body whorl and 3 on each of the

earlier whorls. The aperture appears immature but is arcuate, oblique, and protrudes anteriorly with the peristome slightly thickened internally and with a very wide, external varix, which is wider at its anterior end, and crossed by the continuation of the spiral ribs. The columella has a deep sinus which is laterally reflected.

Fig. 3. In-situ dorsal view of a group of five *Phosinella emina* on a yellow sponge under a rock on 23 May 2026. (Photograph by: Lau Wing Lup).

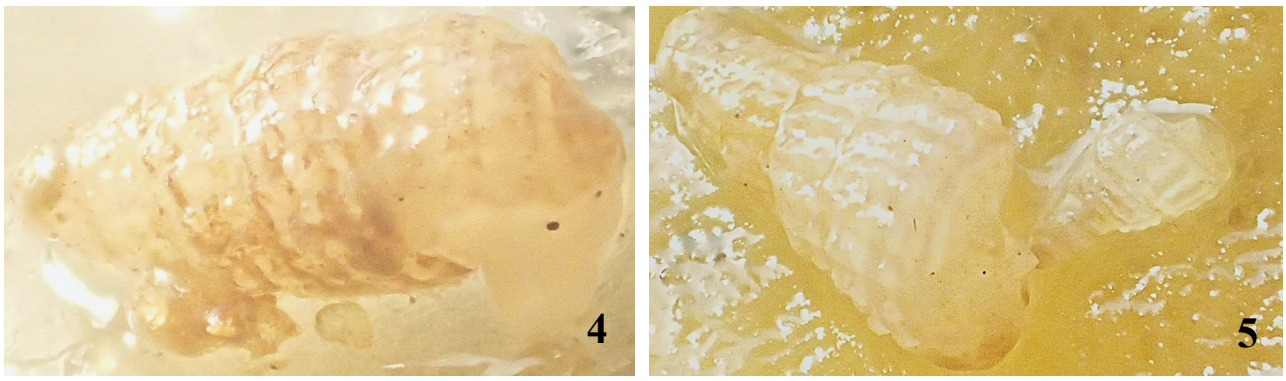

Fig. 4. Lateral view of a live *Phosinella emina* found on 16 July 2026 with its white foot and black eyes. An adult (left) and juvenile live *Phosinella emina* on yellow sponge on 16 July 2026. (Photographs by: Lau Wing Lup).

Remarks: The featured specimens match the holotype and illustrations of *Phosinella emina* well (Laseron, 1956, as *Phintorene emina*; Sleurs & Strack, 2021), and the species is herein documented as a new record in Singapore (see Tan & Woo, 2010).

Phosinella emina was described from Darwin in northern Australia by Laseron (1956, as *Phintorene emina*). Distributed in the tropical Western Pacific, it is also known from Thailand and Papua New Guinea. Specimens have been discovered under stones at a depth of 0.5 m. The species is somewhat variable in shell length, with matured specimens ranging from slightly under 4 mm to about 4.5 mm, and with the shell being more or less elongated. The only consistent feature is in the shell sculpture (Sleurs & Strack, 2021).

Literature cited:

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