

Biodiversity Record: New record of the clam, *Corbula subquadrata*, in Singapore

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Subject: Squared corbula; *Corbula subquadrata* (Mollusca: Gastropoda: Corbulidae).

Subject identified by: Lau Wing Lup.

Location, date and time: Singapore Island / Johor Strait, Punggol Beach Park; 23 May 2026; around 1033 hrs.

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

Observer: Lau Wing Lup.

Observation: A freshly dead articulated matured specimen, about 4.5 mm in length, was found attached to a worm tube incorporating sand, shell grit and other organic debris (Fig. 1).

Remarks: *Corbula subquadrata* has unequal valves (inequivalve) with the left valve slightly smaller than the right (Figs. 2–5). The yellowish white shell is solid, subovate, ventricose, quadrangular. The median umbones are inconspicuous, its anterior side rounded, ventral margin arched, umbonal slope obtusely angled. The posterior side is angled, elongately produced, and finely squarely truncate. There are about 12 superficial concentric sculpted grooves. The shell attains a maximum length of 4.5 mm (Melvill & Standen, 1907).



Fig. 1. In-situ ventral view of *Corbula subquadrata* shell attached to a worm tube. (Photograph by: Lau Wing Lup).

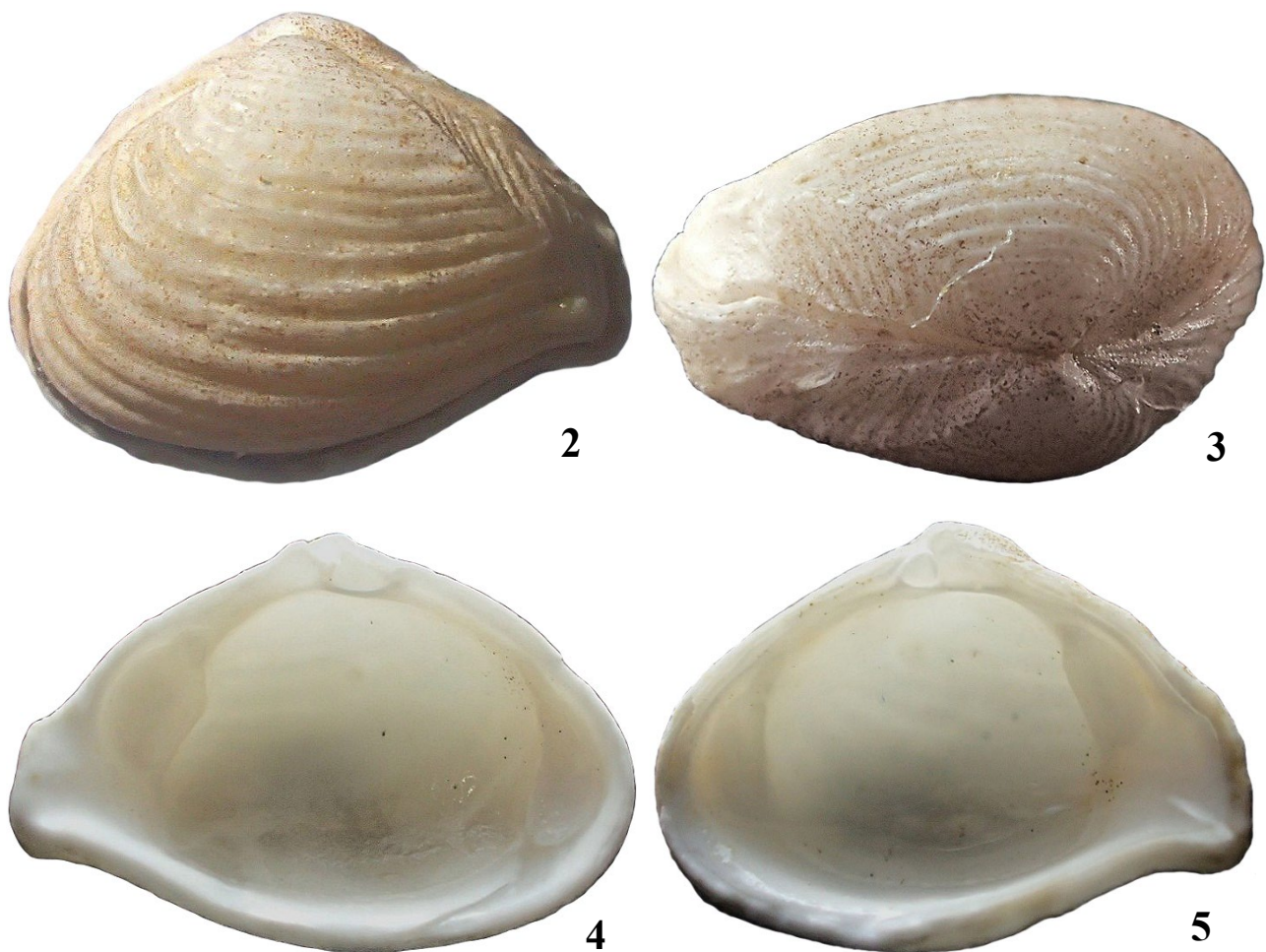


Fig. 2. Left valve exterior. Fig. 3. Dorsal/umbonal view showing the inequivalves. Fig. 4. Left valve interior. Fig. 5. Right valve interior. (Photographs by: Lau Wing Lup).

Corbula subquadrata is known from the Persian Gulf (type locality), Gulf of Oman, and Mumbai in the western Indian Ocean (Melvill & Standen, 1907), as well as the Gulf of Thailand (Wells et al., 2021). Live specimens have been obtained at a depth of about 156 fathoms (ca. 285 m) where they were assumed to be living in soft mud (Melvill & Standen, 1907; Graham et al., 2023). However, disarticulated valves have been found abundantly on strandlines at Kuwait (Graham et al., 2023). The specimen herein featured represents a new species record for Singapore (see Tan & Woo, 2010; Chan & Lau, 2019).

Literature cited:

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