

Biodiversity Record: New Singapore record of the rock snail, *Mancinella alouina*

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Subjects: Alou rock snail, *Mancinella alouina* (Mollusca: Gastropoda: Neogastropoda: Muricidae).

Subjects identified by: Tan Siong Kiat.

Location, date and time: Singapore Strait, Kusu Island, northern lagoon; 19 October 2024 at around 1800 hrs and 16 December 2024 at around 1810 hrs.

Habitat: Marine. At the intertidal zone of a granite seawall.

Observer: Tammy Teong Kah Ler.

Observation: On 19 October 2024, a live snail measuring approximately 30 mm in shell length (Figs. 1 & 2) was discovered on a green concrete marine enhancement tile installed at the base of the lagoon's outer seawall, angled at approximately 45 degrees. Much of the shell's surface was covered with encrusting organisms, concealing the surface sculpture and colour. The weather was cloudy, and the tide was low.

On 16 December 2024, a smaller individual of about 23 mm in shell length (Figs. 3 & 4) was found in the same area attached onto a marine enhancement tile. It has a relatively clean shell that shows the spiral knobs and colouration characteristic of the species.



Fig. 1. Dorsal view of the subject found on 19 October 2024. Fig. 2. Ventral view of the same subject, showing the diagnostic thick shell on the parietal side, orange lips, and darker lines within the palatal side of the aperture (Photographs by: Tammy Teong Kah Ler).



Fig. 3. Dorsal view of the subject with shell free of encrusting organisms, found on 10 December 2024. Fig. 4. Ventral view of the same subject (Photographs by: Tammy Teong Kah Ler).

Remarks: These two sightings represent the first record of *Mancinella alouina* in Singapore. It is the third species of the genus to be known in the country aside from *Mancinella echinata* and *Mancinella echinulata* (see Tan & Woo, 2010; but see also remarks under *Reishia bitubercularis* in Tan & Low, 2022).

Literature cited:

- Tan SK & Low MEY (2022) An Inventory of the Molluscs of Pulau Satumu (Raffles Lighthouse), Singapore, with notes on the etymology and history of the islet. Lee Kong Chian Natural History Museum, National University of Singapore, Singapore, 82 pp.
- Tan SK & Woo HPM (2010) A Preliminary Checklist of the Molluscs of Singapore. Raffles Museum of Biodiversity Research, National University of Singapore, 78 pp. Uploaded 2 June 2010. https://lkcnhm.nus.edu.sg/wpcontent/uploads/sites/11/2024/02/preliminary_checklist_molluscs_singapore.pdf (Accessed 22 January 2025).