

STOMACH CONTENT IN RELATION TO SHELL LENGTH, WIDTH, AND  
WEIGHT OF THE GASTROPOD *TROCHUS NILOTICUS* L.

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ABSTRACT

The stomach content of 66 individuals of *Trochus niloticus* contained 42 potential food taxa. The composition reflected that the snails had grazed on the surface of dead corals. Chrysophyta, Chlorophyta, Rhodophyta, Foraminifera, Cyanophyta, and settled pelagic organisms were mixed with a large quantity of detritus and sand. The snails measured 2.3-11.9 cm in shell length, 2.6-12.3 cm in shell width, 0.93-84.82 gin soft body wet weight, and the weight of stomach contents was 0.03-10.09 g.

The relationship between shell length and weight of stomach content was  $y=0.0373 \exp(0.5003x)$ ,  $r=0.91$ ; between shell width and weight of stomach content:  $y=0.0325 \exp(0.4974x)$ ,  $r=0.92$ , and between soft body wet weight and weight of stomach content:  $y=0.1793 + 0.0785x$ ,  $r=0.97$ .