

Tectus niloticus - AMAL-CRAB-BAY_2014-07

The selected data includes **4 habitat zone(s)** of the study area (**0.58 km²**). The field census occurred from 15/07/2014 to 17/05/2014. **41 transects** are considered in the results below.

Zones : Z001 ; Z002 ; Z003 ; Z004 ;

Reference indicators for all individuals

Reference indicators include biomass, abundance and density estimates.

The conservative stock biomass of all individuals is **1510 kg** (wet) and the conservative total abundance is **3262 individual(s)**. The conservative mean density estimate of all individuals is **56 individual/ha** and **26.1 kg/ha** over the selected habitat zones .

The above estimates incorporate measure uncertainty that is attributable to survey method and heterogeneous resource distribution over the survey site.

Biological interpretation

Legal-sized individuals (90 mm) represent **99 % of the total stock biomass** . This high proportion means that small individuals were rarely observed during survey compared to large individuals, and may be indicative of recruitment failure. **Consequently, the recommended TAC must range between 20.2 % and 30.3 % of the estimated TAC (see table) as a precautionary approach.**

Total stock estimates for Tectus niloticus

(all sizes) 2.71 t ± 1.2 t

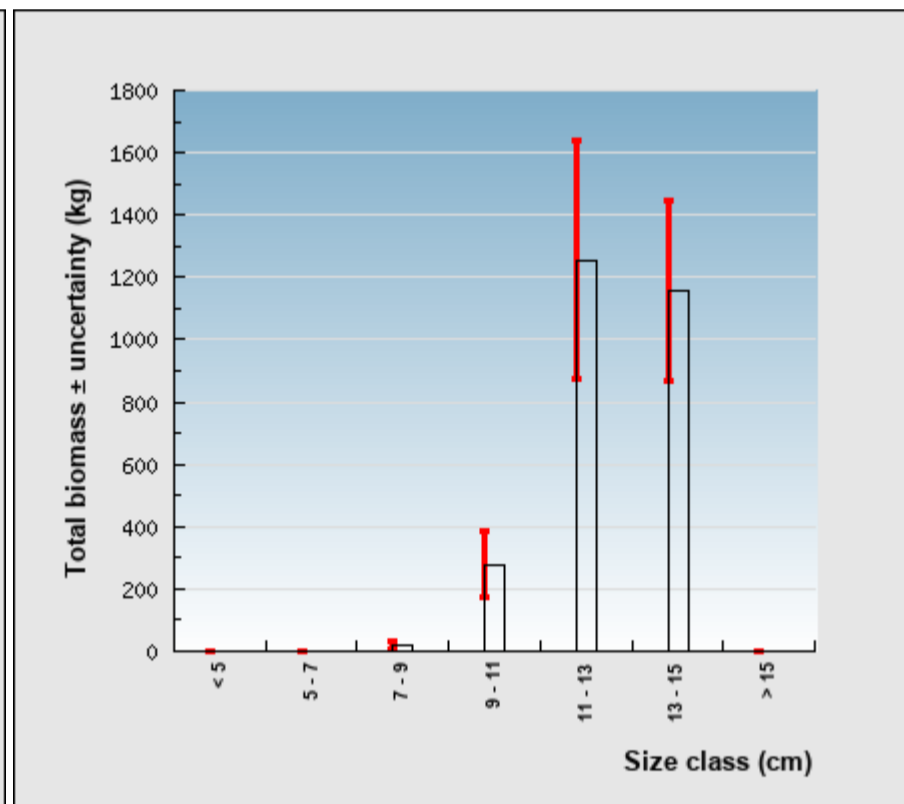
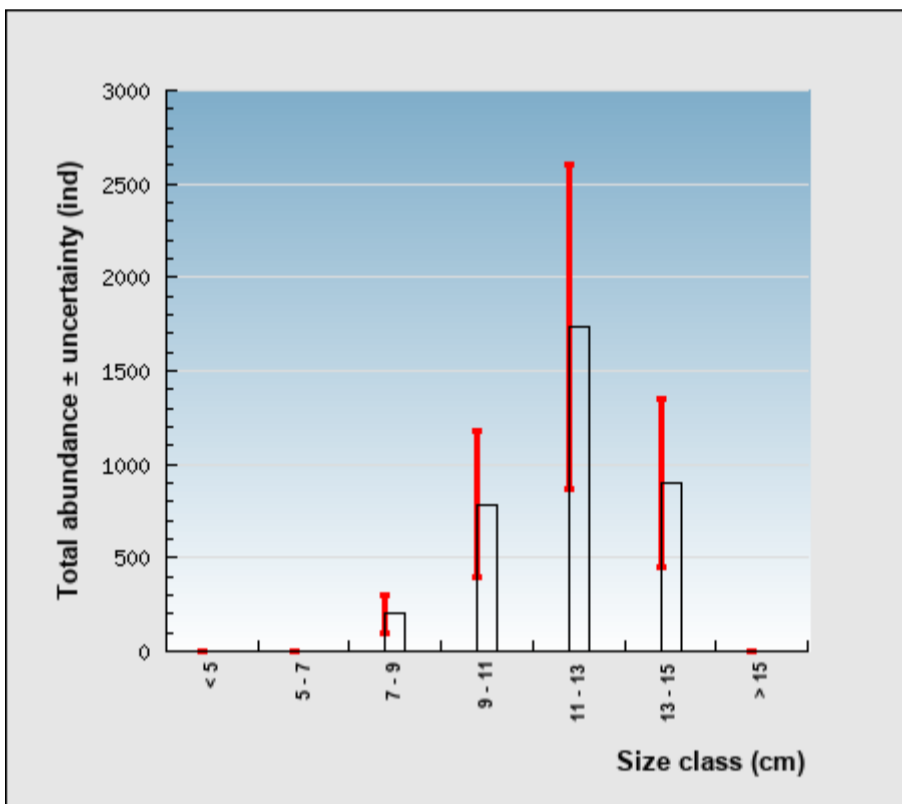
Recommended TAC (Total Allowable Catch, or quota) of legal-sized individuals (90 mm) :

Fresh/wet products 1.498 t

Salted and gutted products 0 t

Dried products (bêche-de-mer) 0 t

Size structure of the whole stock of Tectus niloticus



Size distribution of observed sea cucumbers (n=84)

