

Actinopyga mauritiana - ANEITYUM_2013-12

The selected data includes **15 habitat zone(s)** of the study area (**4.4 km²**). The field census occurred from 04/12/2013 to 07/12/2013. **82 transects** are considered in the results below.

Zones : Z004 ; Z015 ; Z016 ; Z017 ; Z020 ; Z021 ; Z024 ; Z035 ; Z047 ; Z049 ; Z051 ; Z052 ; Z053 ; Z056 ; Z059 ;

Reference indicators for all individuals

Reference indicators include biomass, abundance and density estimates.

The conservative stock biomass of all individuals is **7813 kg** (wet) and the conservative total abundance is **7998 individual(s)**. This wet biomass is equivalent to **3906 kg** of gutted and salted products, and **469 kg** of dried products (bêche-de-mer).

The conservative mean density estimate of all individuals is **18 individual/ha** and **17.8 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 (250 mm) represent **9 % of the total stock biomass** . This low proportion is attributable to the common observation of small individuals in the survey compared to adults (see charts below) and is indicative of local recruitment. **Resources may be harvested following the recommended TAC (see table).**

Total stock estimates for Actinopyga mauritiana

(all sizes) 21.095 t ± 13.282 t

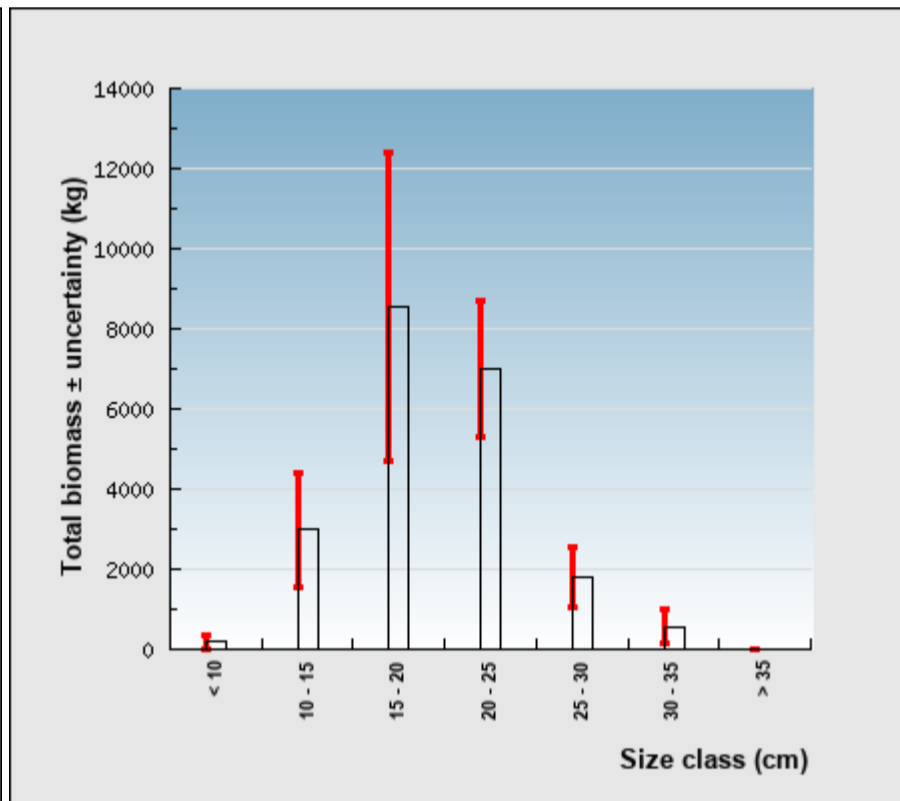
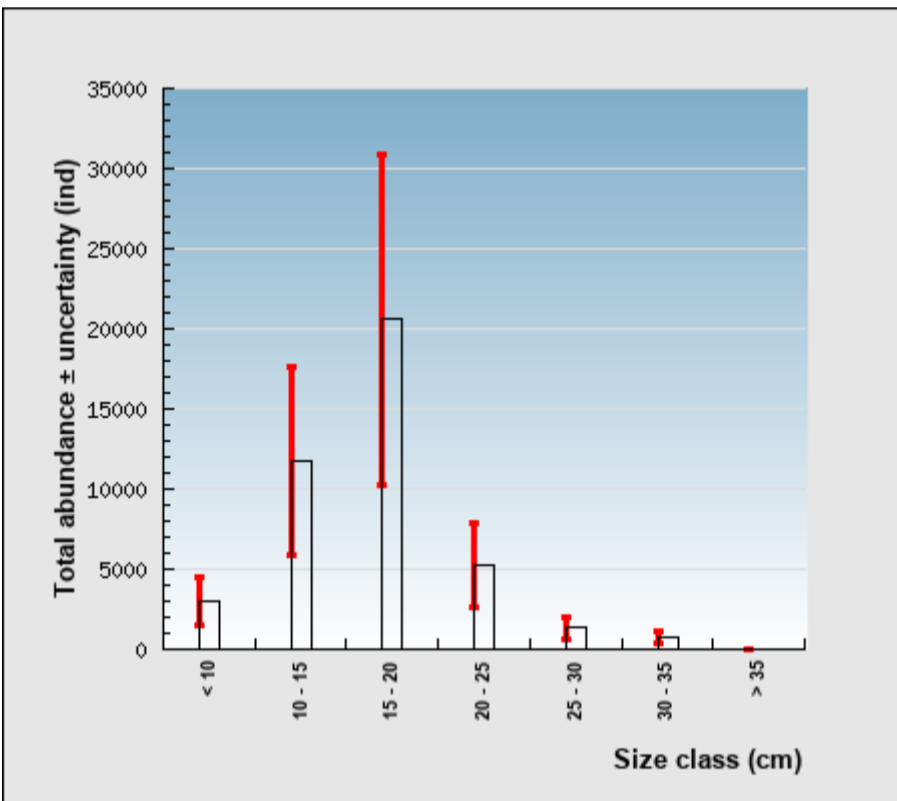
Recommended TAC (Total Allowable Catch, or quota) of legal-sized individuals (250 mm) :

Fresh/wet products 0.673 t

Salted and gutted products 0.337 t

Dried products (bêche-de-mer) 0.04 t

Size structure of the whole stock of Actinopyga mauritiana



Size distribution of observed sea cucumbers (n=217)

