

Holothuria scabra - PM_2008-06

The selected data includes **22 habitat zone(s)** of the study area (**25.5 km²**). The field census occurred from 04/06/2008 to 06/06/2008. **61 transects** are considered in the results below.

Zones : Z001 ; Z002 ; Z003 ; Z004 ; Z005 ; Z006 ; Z007 ; Z008 ; Z009 ; Z010 ; Z011 ; Z013 ; Z014 ; Z015 ; Z016 ; Z017 ; Z018 ; Z020 ; Z021 ; Z022 ; Z023 ; Z050 ;

Reference indicators for all individuals

Reference indicators include biomass, abundance and density estimates.

The conservative stock biomass of all individuals is **78797 kg** (wet) and the conservative total abundance is **318325 individual(s)**. This wet biomass is equivalent to **39399 kg** of gutted and salted products, and **3940 kg** of dried products (bêche-de-mer).

The conservative mean density estimate of all individuals is **125 individual/ha** and **30.9 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 (200 mm) represent **13 % 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 Holothuria scabra

(all sizes) **107.017 t ± 28.22 t**

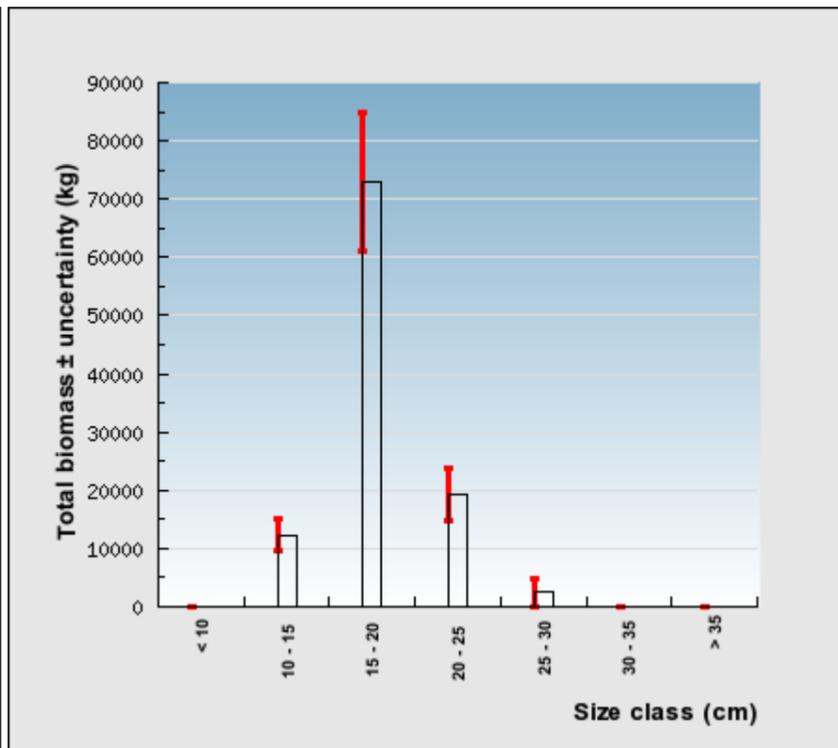
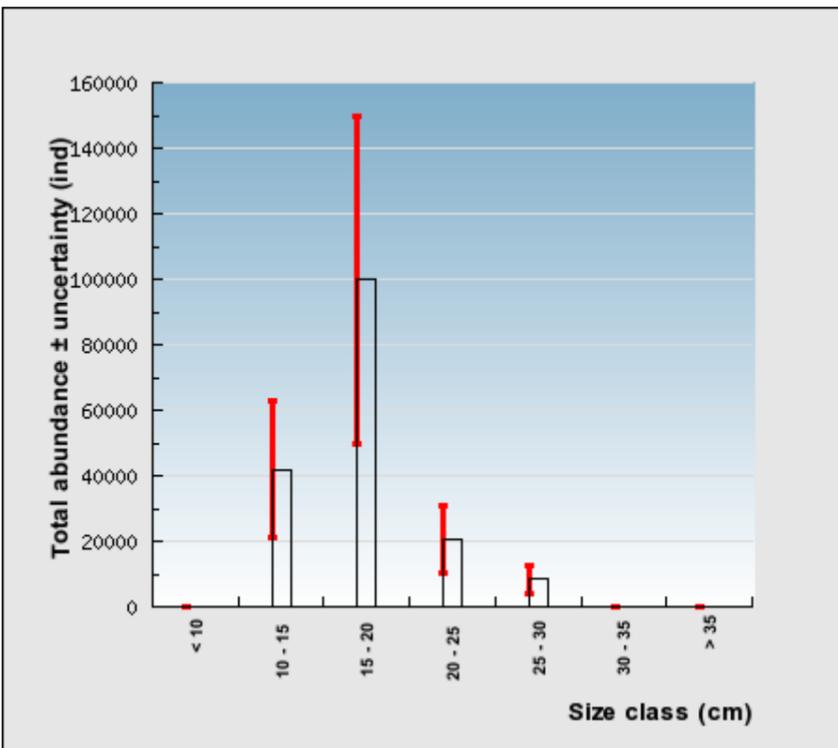
Recommended TAC (Total Allowable Catch, or quota) of legal-sized individuals (200 mm) :

Fresh/wet products **10.279 t**

Salted and gutted products **5.139 t**

Dried products (bêche-de-mer) **0.514 t**

Size structure of the whole stock of Holothuria scabra



Size distribution of observed sea cucumbers (n=191)

