

Bohadschia argus - SANTO-ISLANDS_2014-03

The selected data includes **26 habitat zone(s)** of the study area (**6.75 km²**). The field census occurred from 17/03/2014 to 21/03/2014. **92 transects** are considered in the results below.

Zones : Z009 ; Z013 ; Z014 ; Z022 ; Z029 ; Z030 ; Z032 ; Z034 ; Z035 ; Z036 ; Z038 ; Z049 ; Z054 ; Z055 ; Z058 ; Z059 ; Z062 ; Z063 ; Z064 ; Z065 ; Z066 ; Z067 ; Z069 ; Z075 ; Z078 ; Z079 ;

Reference indicators for all individuals

Reference indicators include biomass, abundance and density estimates.

The conservative stock biomass of all individuals is **4930 kg** (wet) and the conservative total abundance is **7349 individual(s)**. This wet biomass is equivalent to **2465 kg** of gutted and salted products, and **197 kg** of dried products (bêche-de-mer).

The conservative mean density estimate of all individuals is **11 individual/ha** and **7.3 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 (300 mm) represent **51 % 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 39.22 % and 58.83 % of the estimated TAC (see table) as a precautionary approach.**

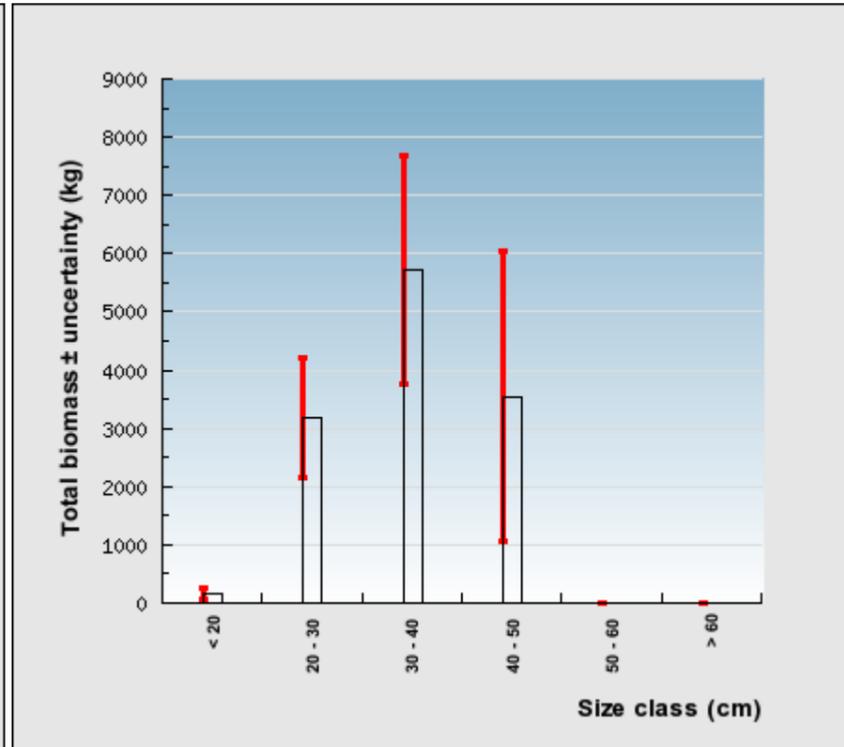
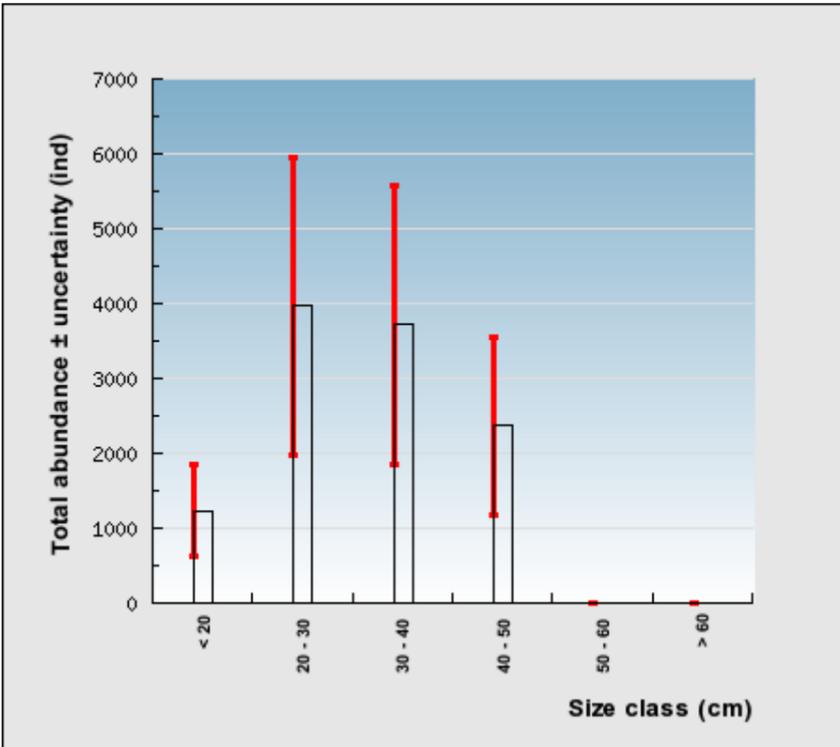
Total stock estimates for Bohadschia argus

(all sizes)	12.597 t ± 7.667 t
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Recommended TAC (Total Allowable Catch, or quota) of legal-sized individuals (300 mm) :

Fresh/wet products	2.526 t
Salted and gutted products	1.263 t
Dried products (bêche-de-mer)	0.101 t

Size structure of the whole stock of Bohadschia argus



Size distribution of observed sea cucumbers (n=44)

