

ABSTRACT

Chlamys senatoria is an important fishery in Gigantes Islands which is located in the municipality of Carles, Iloilo, central Philippines. However, no data has been recorded regarding the fishery in the area. Catch Per Unit Effort (CPUE) of *C. senatoria* using fishery-dependent method and the size frequency of subsamples of the catch were determined in the Gigantes Islands from June to November 2013. There was a continuous increase in the CPUE from July to October 2013 but drastically dropped during the month of November. The mean CPUE in the area was 1.6 kg/diver. Divers usually harvested around 60 mm shell height (SH). The size frequency distribution of the *C. senatoria* stock in the area showed that 70-74 mm SH had the highest frequency (21.50%) and those <39 mm SH had the lowest frequency (0.13%) for all the data collected. These results indicate that *C. senatoria* could be considered a sustainable resource in Gigantes Islands with proper management.

Key words: *Chlamys senatoria*, Catch Per Unit Effort, size distribution, Gigantes Islands,

Carles, Iloilo