

Socioeconomic Impact of Marine Invertebrates Collection on Chuiba and Maringanha Beaches

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Abstract : Marine invertebrates are very important for the livelihood of coastal communities, particularly in Pemba City. The study was conducted From June 2011 to March 2012. The aim of this study is to determine the socioeconomic impact of collecting marine invertebrates in communities and Chuiba Maringanha. Data were collected biweekly during the spring tide ebb in the intertidal zone, and through structured surveys, the confrontation of data was done through direct observation in the neighborhoods. In total 40 collectors was surveyed and it was found that activity of collecting marine invertebrates is practiced by women 57.2% and men 42.5%. Their ages ranged from 9 to 45 years, and the range was 25-32 dominant with 30.5% and collection practice 5-7 times per week they spend about 4-6 hours a day. The collection methods are direct harvesting by hand aided by knives, sharp irons, and transport use pots, buckets, basins, shawls. Were identified in total 8 marketable species namely: Octopus vulgaris 8.6 Kg, Cyprea Tigers 7 units, Cypraea annulus 48 kg, 40 kg holuturias, Cyprea bully, Atrina vexillum 10 kg, Modiolus philiphinarum and lambis lambis. The species with the greatest economic value are sea cucumber (3 Usd/ kg) and Octopus vulgaris (2.5 Usd/ kg) more commercialized. The socio-economic impacts on communities of collectors the average income of collectors varies from 0.5 to 5 Usd/ day and the money are intended to purchase food and agricultural instruments. The other socioeconomics impacts are illiteracy with 36% dropout, and 28% have never studied 87% of unemployed collectors, a high number of family members, weak economic power, poor housing made the basis of local materials and relies on community wells to access water, and most do not have electric power.

Keywords : socio-economic, impacts, collecting marine invertebrates, communities

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