

Fishery catch landings data collection

A rapid survey of the artisanal fishery in Cabo Delgado was done in December 2013 to broadly define the gears, species and the method of landing catches in the villages in order to design the fishery data collection process in detail. Fishing occurred in three broad habitat zones of intertidal, coral reef and pelagic waters. This was followed up in January - February 2014 with training the field technicians stationed at each village in the principles of fisheries data collection including species identification, trialing the datasheets, assessing data quality, refining the field methods. Data collection commenced in late January 2014 and ended in December 2015 in all villages except Malinde, which started in March 2015.

The field technicians walked the beach to intercept fishers bringing their catch ashore since fixed landing sites are not a feature of these fisheries. Sampling was conducted on a monthly basis each year because shorter time series are unlikely to produce reliable estimates (Harley et al., 2001). Data were collected six days per month distributed in the neap and spring tides with more data collection during spring tides, since both men and women tend to fish more during this tidal period.

During each sampling day, the technician in each village collected catch and effort data for a minimum of four hours to maximise collecting catches that came from all three coastal habitats. The variables recorded are shown in Table A 3.1 and included fishing ground name, total catch weight (kg), species and number of individuals per species/taxa group.

Where the catch was large, a subsample was taken to count the number of fish per species in the catch. The catch was identified to species or aggregated taxa such as genus or family, using local and/or Portuguese names. These were later transcribed to English and scientific names. Photographs were taken for uncertain species for later identification.

Table A3.1. Fish catch landings data sheet used in the creel surveys.

Our Sea Our Life: FISHERY CPUE SURVEY DATA SHEET

LANDING SITE/VILLAGE..... DATE.....
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DATA COLLECTOR..... RECORDING TIME Start..... Finish.....
 Each record represents ONE catch (Cada registo representa uma captura). This table lists species from same D in first table.

RECORD ID	TIME OF CATCH AT SHORE <i>Tempo de chegada a costa</i>	VESSEL & TYPE <i>tipo de barco / pé</i>	GEAR <i>arte de pesca</i>	NUMBER OF FISHERS <i>numero de pescadores</i>	FEMALE/ MALE <i>feminino / masculino</i>	HOURS FISHED: <i>tempo de pesca</i> Start Finish (tot. hr)	TOTAL CATCH WEIGHT (g) <i>Peso total</i>	FISHING ZONE <i>Zona de Pesca</i>

RECORD ID (above)	FISH TYPE (FAMILY/SPECIES) <i>Tipo de peixe</i>	NO. OF FISH <i>numero de peixes</i>	CATCH WEIGHT (g) <i>peso</i>	NOTES