

Contents (Geological Oceanography)

1 Introduction	01
2. Objectives	01
3 Methodology	01
3.1 Positioning and Depth measurements	01
3.2 Bathymetry	01
3.3 Sea bottom Scanning	02
3.4 Sediment sampling	02
3.5 Sample analytical methods	02
3.5.1 <i>Sediment study</i>	02
3.5.2 <i>Particle size distribution</i>	02
3.5.3 <i>Aggregate analysis</i>	02
3.6 Observations	02
4 Data	04
5 Results	05
6 Discussion	09
6.1 Statistical parameter studies	09
6.1.1 <i>Grain size analysis (Mean)</i>	09
6.1.2 <i>Standard deviation (D)</i>	09
6.1.3 <i>Skewness</i>	09
6.1.4 <i>Kurtosis</i>	09
6.2 Qualitative analysis of the sediments	09
Acknowledgments	10

List of figures

Fig 1. Bathymetric map of off Hambantota	06
Fig.2. Specific gravity distribution in the study area	06
Fig 3. Organic distribution of the area	06
Fig 4. Terrigenous distribution of the area	06
Fig 5. Carbonate distribution of the area	07

List of tables

Table 1: Sample description along Hambantota to Kirinda	03
Table 2: Sieve analysis data offshore Hambantota	04
Table 3: Specific gravity values Sayuri off Hambantota	05
Table 4: Summary of the qualitative data analysis	07
Table 5: Statistical Parameter studies	08

