

# **Post Tsunami Bathymetric Changes in Fishery Harbours**

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## **Abstract**

Post tsunami hydrographic surveys were carried out to observe bathymetric changes in Panadura, Beruwela, Hikkaduwa, Galle, Tangalle and Mirissa Fishery Harbour. The data is intended to use for harbour management and also to provide a map of bathymetric data with contours and comparison of pre and post tsunami profiles.

Survey lines are prepared with 5 m line separation. Soundings are collected at each second along the survey line using DGPS positioning with an accuracy of 2m. Depth resolution is 0.2 m. Tide data are collected simultaneously with the survey and depths are reduced to mean sea level (MSL). Hypak MAX survey software is used for both data collection and processing.

Survey up to this point, the comparison of profiles drawn using processed data indicated significant depth changes at the entrance of harbour and general harbour basin of the Hikkaduwa Fisheries Harbour.