Hydrographic Surveys – A Reconnaissance Tool for Marine Resource Management

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Abstract

Hydrographic surveys have been used as a reconnaissance tool in various marine related infrastructural development, shipping, port establishment, marine trade, oil exploration and marine environmental studies. The geospatial technology has spread its arms in multidimensional perspectives towards qualitative and quantitative outputs. With the change in technology and need of the marine world, the hydrographic survey techniques have been improved by adopting latest geospatial techniques and precise instrumentation.

key role played by the INHO (Indian National Hydrographic Office) through its high accuracy bathymetric surveys for the marine infrastructure development, marine trade, marine resource exploration and environmental studies will be enumerated.

Key words: Reconnaissance, hydrocarbon, geophysical surveys, exploration, environmental studies, river basin

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