

GLIMPSES



RESOURCES

Equipment

- ✓ Multi Beam Echosounder (MBES) System
- ✓ Single Beam Echosounder
- ✓ Sound Velocity Probe
- ✓ GPS
- ✓ Current Meter
- ✓ Automatic Tide Gauge
- ✓ Dynamic Motion Sensor

Software

- ✓ Hypack
- ✓ Sonar UI/Hysweep
- ✓ Discover
- ✓ Caris BDB, HIPS/SIPS, Paper Chart Composer
- ✓ Sonar Wiz
- ✓ Trimble Business Center
- ✓ Global Mapper

CONTACT US

MAURITIUS HYDROGRAPHIC SERVICE
MINISTRY OF HOUSING AND LAND USE PLANNING

Level 5, Ebene Tower, Cybercity,
Ebene

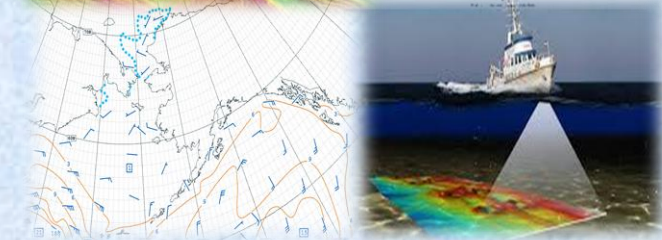
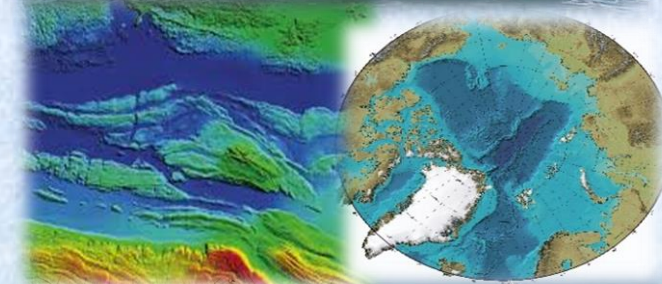
Tel: (230)4013801, Fax: (230)4681773
hydrounit@govmu.org

<https://housing.govmu.org>



MAURITIUS HYDROGRAPHIC SERVICE

MINISTRY OF HOUSING AND LAND USE PLANNING



DEFINITION OF HYDROGRAPHY

Hydrography is the branch of applied sciences which deals with measurement and description of the physical features of oceans, seas, coastal areas, lakes and rivers, as well as with the prediction of their change over time, for the primary purpose of safety of navigation and in support of all other marine activities, including economic development, security and defence, scientific research, and environmental protection.

APPLICATIONS

- ✓ Production of Navigational Charts and Nautical Publications.
- ✓ Coastal Zone Management & Development.
- ✓ Port Development, Maintenance and Dredging Operations.
- ✓ Exploration & Exploitation of Marine Resources.
- ✓ Environmental Protection & Management.
- ✓ Maritime Defence and Disaster Management.
- ✓ Maritime Boundary Delimitation.
- ✓ Tourism and related Recreational Activities.

IMPORTANCE AND BENEFITS

- ✓ Any development activity in marine environment, either inland or offshore, must be preceded by a detailed hydrographic survey.
- ✓ Large Exclusive Economic Zone (EEZ) of Mauritius provides for sea borne trade, fishing and tourism which ultimately relies on safe navigation of sea going ships.
- ✓ The national maritime policy for economic benefits and sustainable development requires oceanic data sets which could be obtained through detailed hydrographic surveys.
- ✓ Information in support of maritime safety, disaster management, marine environment preservation and exploitation of resources could be enhanced through hydrography.
- ✓ Development of outer islands, marine infrastructure and tourism related activities.
- ✓ For most ships, 30 cm extra depth shown on a chart allows at least 2,000 tonnes more cargo to be carried.

OBJECTIVES & ACHIEVEMENTS OF MHS

Objectives

- ✓ Hydrographic survey of ports, approaches and passes.
- ✓ Quality training in the field of hydrography.
- ✓ Develop and strengthen hydrographic research.
- ✓ Nautical information to marine community for safe navigation.
- ✓ Provide hydrographic and geodetic data for delimitation of maritime zones.
- ✓ Promote technical cooperation in the domain of hydrographic surveying and marine cartography.

Achievements

- ✓ High water line delineation of Mauritius.
- ✓ Survey for salvage operation of MV Wakashio.
- ✓ Detailed survey of navigable passes and lagoons around the Mauritius.
- ✓ Survey of Blue Bay Marine park.
- ✓ Eight charts have been accorded International status.
- ✓ Survey of Agalega and Rodrigues.
- ✓ Survey of aquaculture & heritage sites.
- ✓ Delineation of zones for regulating tourism related activities.