

25th Conference of the Meso American - Caribbean Sea Hydrographic Commission

National Report by
Jamaica



IHO

International
Hydrographic
Organization

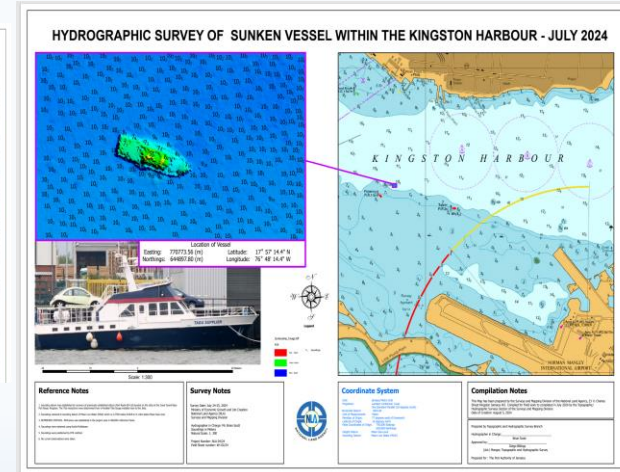
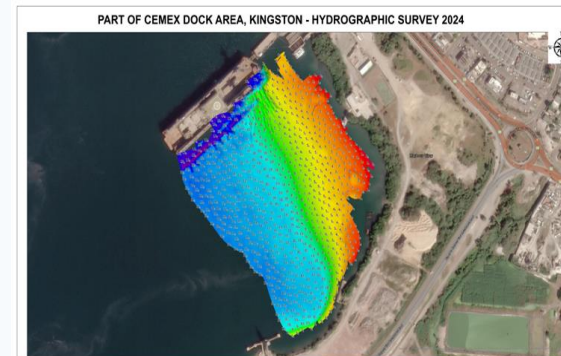
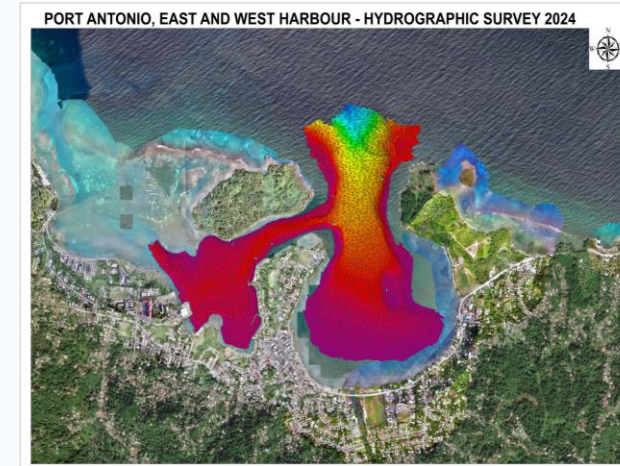
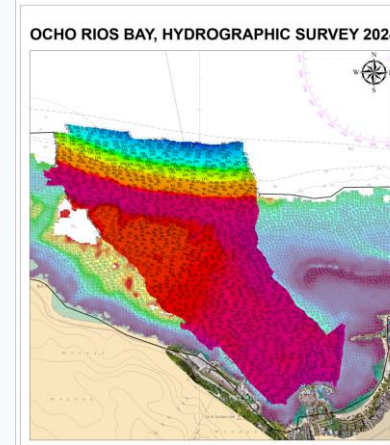


Top Achievements during the year

1a. Year In Review

Hydrographic Surveys of:

- Kingston Harbour East Channel in the Parish of Kingston
- Port Royal Harbour in the Parish of Kingston
- Discovery Bay, in the Parish of St. Ann
- Ocho Rios Bay, in the Parish of St. Ann
- West Harbour, Port Antonio in the Parish of Portland
- East Harbour, Port Antonio in the Parish of Portland
- Cemex, Jamaica Gypsum Pier, in the Parish of Kingston
- Kingston Harbour to locate sunken vessel in the Parish of Kingston



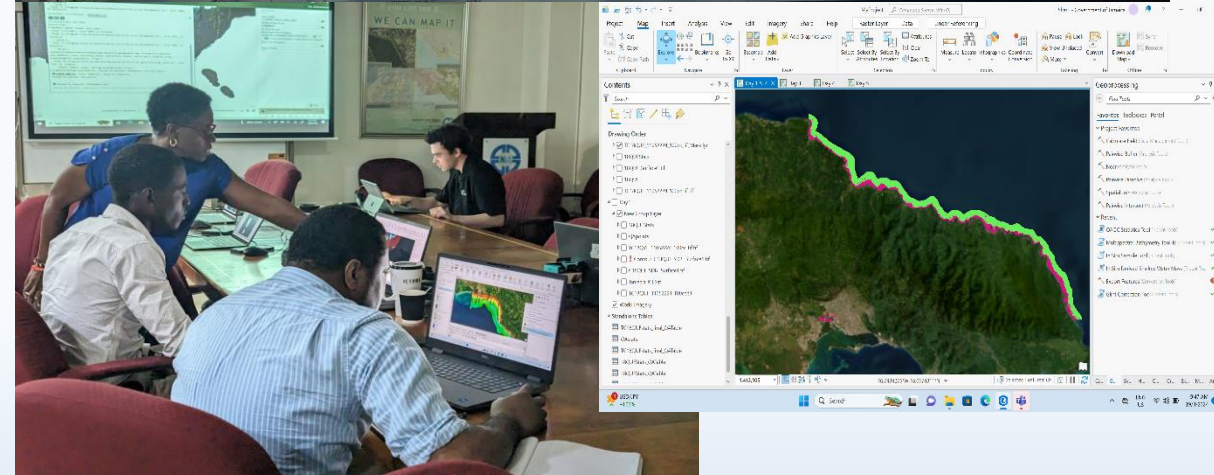
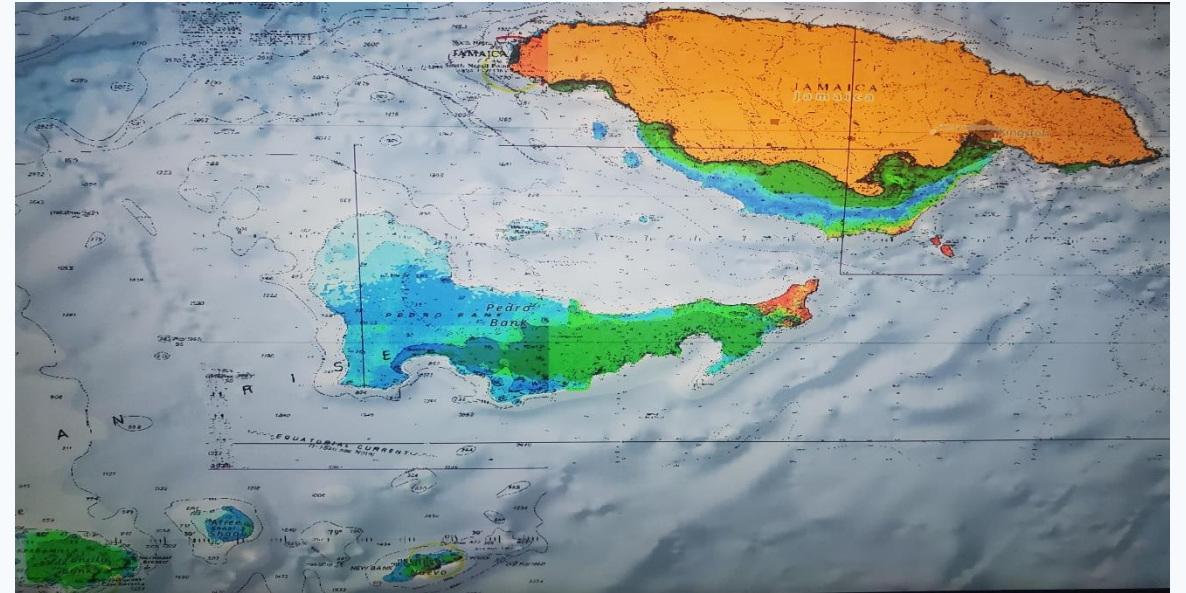
Top Achievements during the year

2. Seabed 2030/T-Carta Collaboration

T-Carta Caribe has fostered a productive and game-changing relationship with NLA from 2020. In 2024 through Seabed 2030 a capacity building program was done to produce a Satellite Derived Bathymetry (SDB) map of the entire coastal area of Jamaica, including the environmentally and economically important Pedro Cays.

We extracted seafloor depth data from multispectral Sentinel-2 satellite imagery and use NASA ICESat-2 LiDAR data for validation. The resulting data sets included water depth measurements at 10-meter resolution to an average depth of 20 meters.

This data was contributed to Seabed 2030.



IHO

International
Hydrographic
Organization



Top Achievements during the year

3. Training

Category “B” Hydrographic Survey Programme at KHOA in Busan, Republic of Korea



Mr Devroy GAYLE
(Assistant Hydrographic Surveyor)

Seabed 2030 Coastal Bathymetric Mapping Workshop



TCarta and NLA Jamaica’s week-long workshop with Kyle Goodrich, Alec Biles, and TCarta Caribe partner, Carol Fisher.

Caretta Hydrographic Solutions Hydrographic Training



40 hours of Hydrographic Training, which includes Hydrographic Theory, Boat Mobilization, on Water Survey with NORBIT and Post Processing using POS Pac and CARIS HIPS & SIPS Professional.

Top Challenges and/or Obstructions

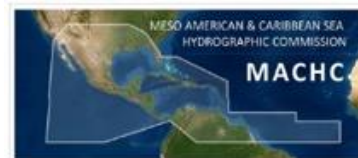
Limitations

- We aspire to augment the unit and its operations by procuring additional staff, equipment, and resources in the future. Presently, the operations are progressing at a reduced pace due to an insufficiency of officers.
- Jamaica is currently unable to fully support the Seabed 2030 initiative since we don't have the capacity to do deep sea surveys.



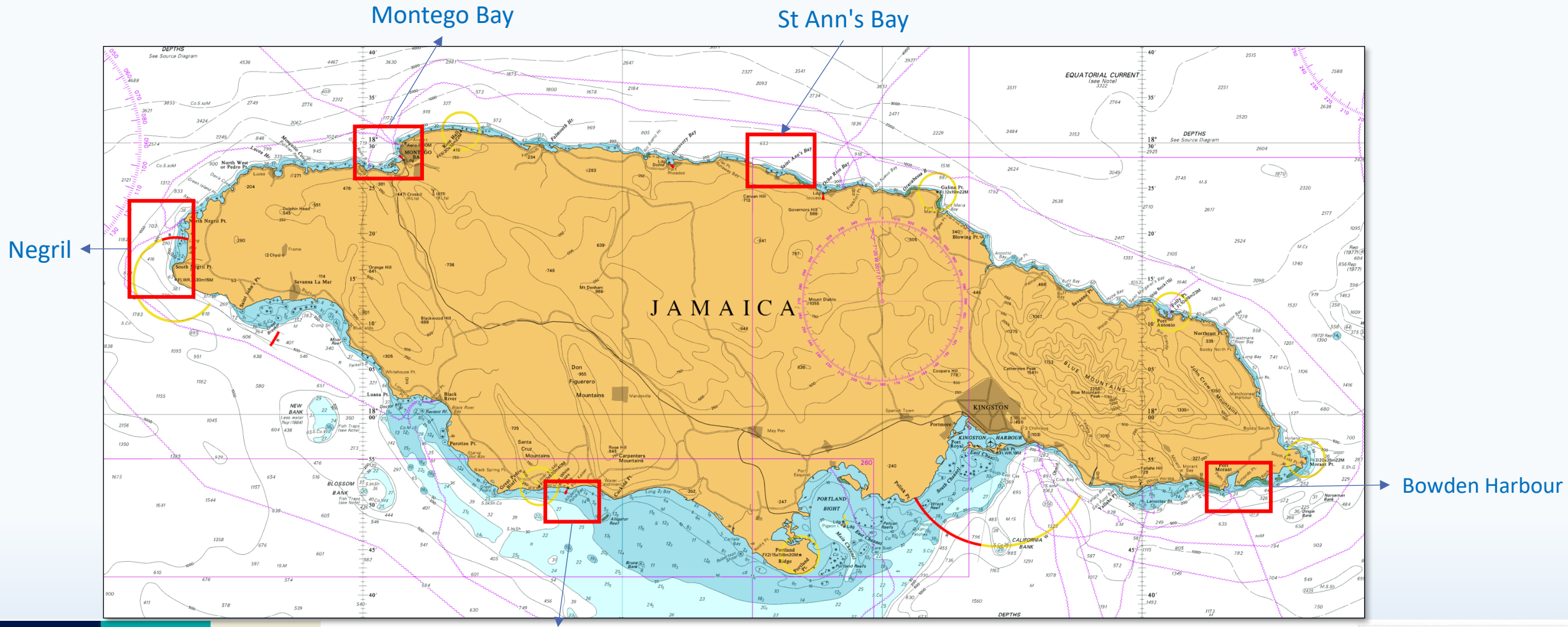
IHO

International
Hydrographic
Organization



Top Plans that affect the region

Planned Surveys



IHO

International Hydrographic Organization

Port Kaiser



Thank you!

Jamaica would like to say thank you to:

- MACHC
 - IHO
 - UKHO
 - NOAA
- NIPPON FOUNDATION/GEBCO
- CENTER FOR COASTAL AND OCEAN MAPPING-JOINT HYDROGRAPHIC CENTER /UNIVERSITY OF NEW HAMPSHIRE
 - UNIVERSITY OF SOUTHERN MISSISSIPPI
 - KHOA
 - TCARTA
 - MAP THE GAPS



IHO

International
Hydrographic
Organization

