

# 23<sup>rd</sup> Conference of the Meso American - Caribbean Sea Hydrographic Commission

National Report by  
**Jamaica**



**IHO**

International  
Hydrographic  
Organization



# Top Achievements during the year

## 1. Unmanned Aerial Vehicles



Parrot Anafi Rotary Wing & DJI Mavic 2 Pro



WingtraOne Gen 2 VTOL

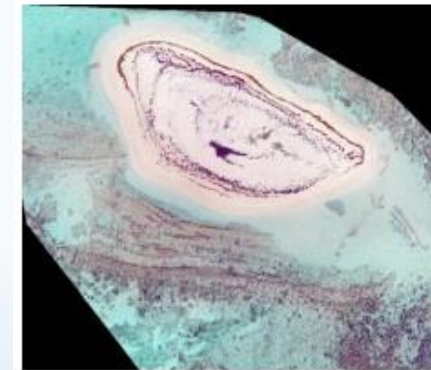
***Unmanned Aerial Vehicle (model DJI Mavic 2 Pro)*** was used to mapped the Big & Little Pelican Islands during the hydrographic survey around both Islands. This method assisted the hydrographic team in terms of efficiency and cost.



Launching drone in the survey area (DJI Mavic 2 Pro)

Results:

Little Pelican Island



Big Pelican Island





# Top Achievements during the year

## 2. Training ( CAT A & CAT B COURSES)

### CAT B HYDROGRAPHIC COURSE, BUSAN, REPUBLIC OF KOREA



Mr Brian Scott (Assistant Hydrographic Surveyor) is currently completing the practical component of the IHO Category B Hydrographic Survey Programme at the Korea Hydrographic and Oceanographic Agency, Busan, Republic of Korea. He will return to Jamaica on the 9<sup>th</sup> of December 2022.

### CAT A HYDROGRAPHIC COURSE, CCOM, USA



Mr Diego Billings (Senior Hydrographic Surveyor) has completed the practical component of the Category A course in Ocean Mapping at the University of New Hampshire (CCOM) and, his internship on the DSSV Pressure Drop.



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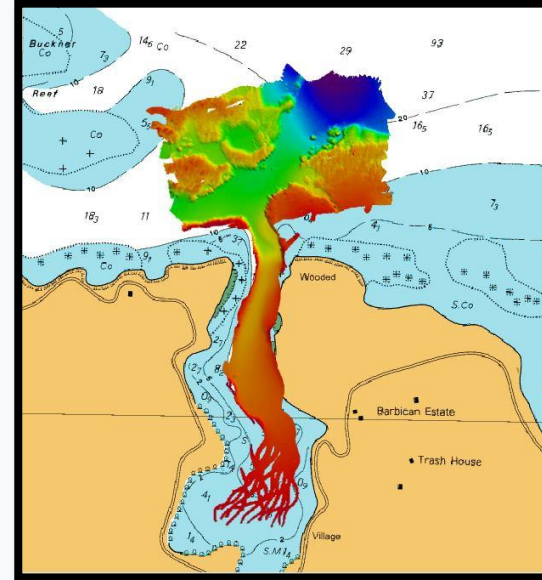
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# Top Achievements during the year

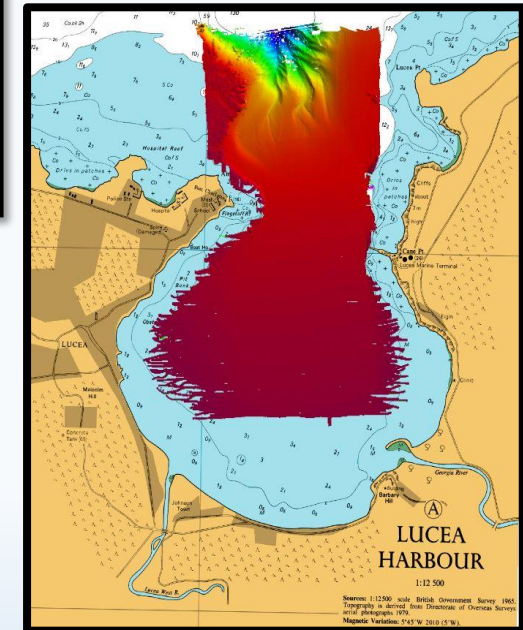
## 3. Surveys

- Black River Anchorage in St Elizabeth. The survey covered an area of approximately 8.8 square kilometres (880 hectares).
- Mosquito Cove in Hanover. The survey covered an area of approximately 0.65 square kilometres (65 hectares)
- Lucea Harbour in Hanover. The survey covered an area of approximately 2.0885 square kilometres (208.85 hectares)
- Port Royal Point in Kingston. The survey covered an area of approximately 0.213 square kilometres (21.3 hectares)
- Port Royal Cruise Port in Kingston. The survey covered an area of approximately 0.69 square kilometres (69 hectares)



1. Mosquito Cove

2. Lucea Harbour



# Top Challenges and/or Obstructions

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- Jamaica's dedicated survey vessel was not operational for most of the year due to continuous mechanical issues.
- Jamaica through the NLA has received training in Hydrography but there are some steps to process and convert the data for inclusion in a Geodatabase and to generate other products outside of navigation.
- Jamaica is currently unable to fully support the Seabed 2030 initiative since we don't have the capability to do deep sea surveys.



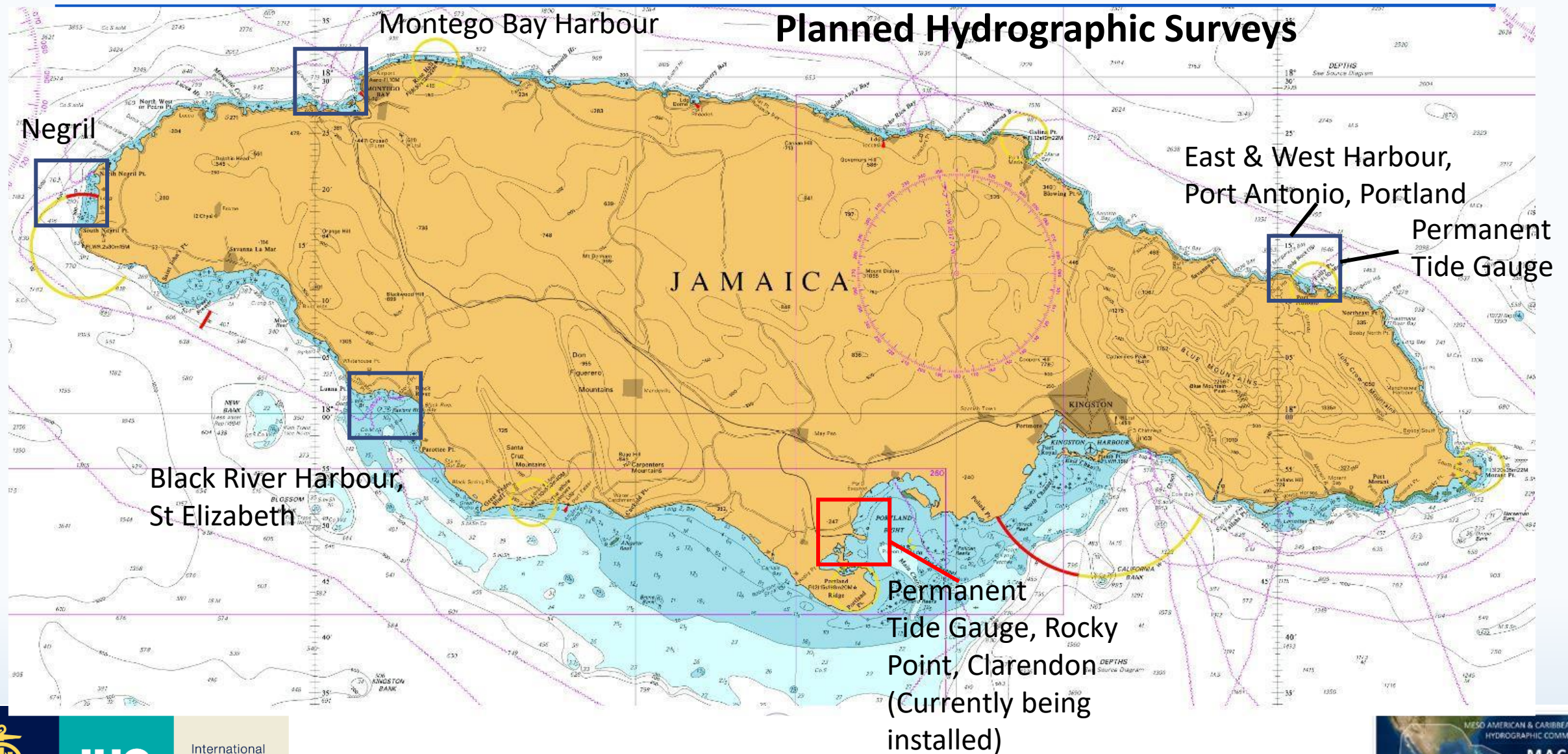
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# Top Plans that affect the region



# THANK YOU

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Jamaica would like to say thank you to:

- IHO
- MACHC
- UKHO
- NOAA
- NIPPON FOUNDATION/GEBICO
- CENTER FOR COASTAL AND OCEAN MAPPING-JOINT HYDROGRAPHIC CENTER
- REPUBLIC OF KOREA
- TCARTA
- MAP THE GAPS



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