

**20TH MEETING OF THE MESO AMERICAN – CARIBBEAN SEA
HYDROGRAPHIC COMMISSION (MACHC20)
Santo Domingo, Dominican Republic – 3-6 December 20189**

NATIONAL REPORT FROM JAMAICA TO THE MACHC20

References:

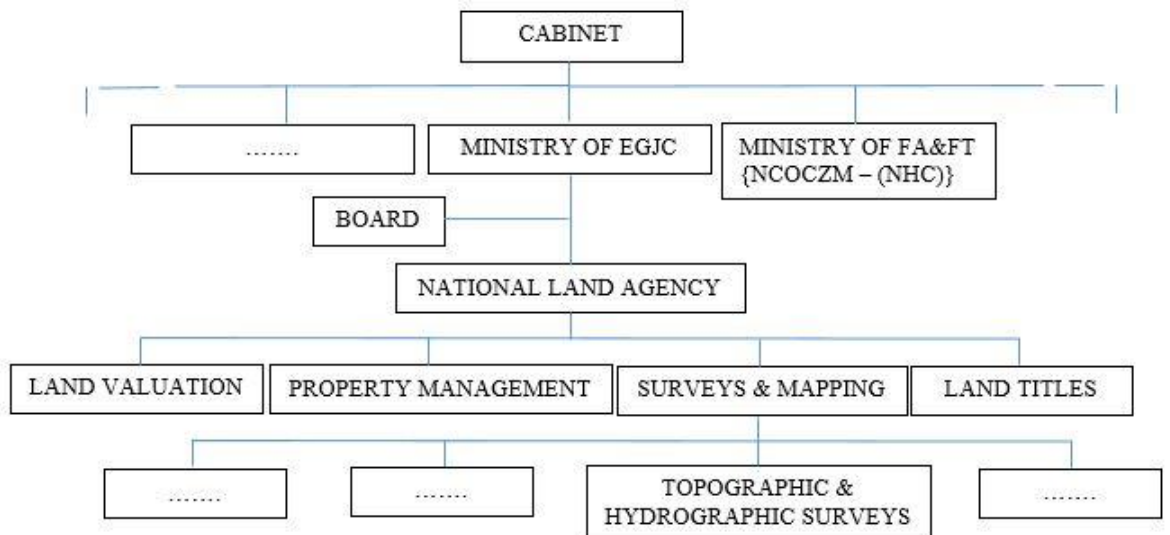
- A. IHO Resolution 2/1997 as amended (see doc. C3-04.2A, [Appendix to Annex A](#))
- B. IHO Circular Letter 20/2019, The IHO online form system for responses to Circular Letters and input to IHO Publications (P-5 and C-55): [link](#)
 Online system for P-5 (Yearbook): [link](#)
 Online system for C-55 (Status of Surveys and Charting Worldwide): [link](#)

Executive summary

1. Hydrographic Office / Service:

a) Name of the institution: National Land Agency

Description: **Hydrographic Office** – The Hydrographic Office for Jamaica is the National Land Agency of Jamaica. This is an Executive Agency, which since March of 2016 falls under the new Ministry of Economic Growth and Job Creation (EGJC). The reporting arrangement and organizational structure is indicated in the chart below:



National Hydrographic Committee (NHC) – Established in 2006 as a committee of the National Council on Ocean and Coastal Zone Management (NCOCZM), a Cabinet advisory council in the Ministry of Foreign Affairs and Foreign Trade (FA&FT).

IHO – Jamaica is a Member State of the IHO and the MACHC

b)

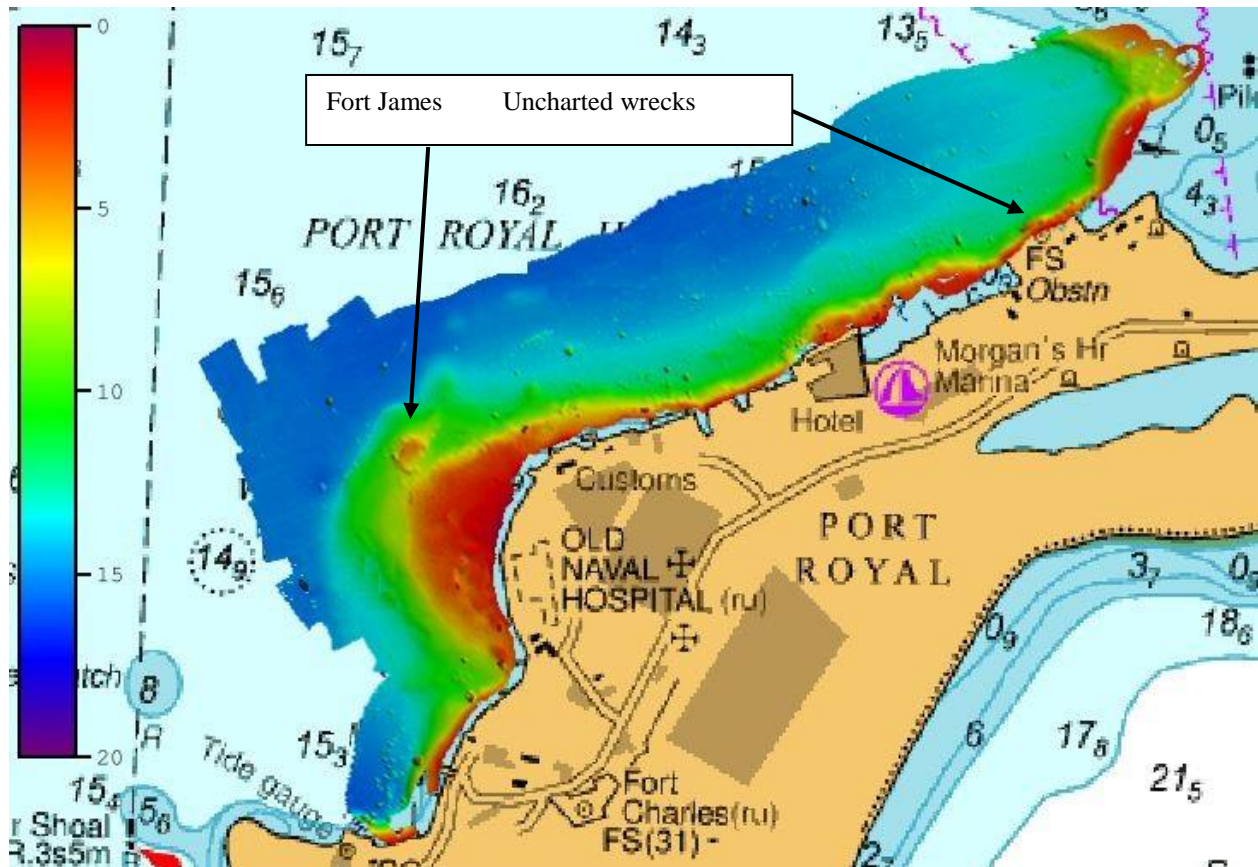
c) **Submitted by:** Antonio Williams, Antonio.williams@nla.gov.jm

Detailed information to update IHO Publication P-5 (*Yearbook*) is submitted in Annex A (alternatively, use the online system, reference B). Please indicate "no change" in Annex A if this is the case.

2. Surveys:

a) Coverage of new surveys:

Survey of Part of Port Royal, Kingston



b) New technologies and /or equipment

The United Kingdom Hydrographic Office (UKHO), as part of the Commonwealth Marine Economies Program (CME), donated a complete multibeam data acquisition system and processing software with accessories, and software licenses to Jamaica. The data acquisition equipment was installed on a vessel CG 123 owned by the Jamaica Coast Guard.

c) New ships

One new vessel was donated to the Caribbean Maritime University (located in Port Royal) by a private contractor, the vessel is equipped with hydrographic survey equipment. The vessel is to be evaluated and commissioned based on terms to be agreed on by the NHC members.

d) Crowdsourced and satellite-derived bathymetry - national policy – no update

e) Challenges and achievements:

The NHC has to overcome the challenge of low stakeholder involvement, the four stakeholders that have consistently been participating in the meetings and activities are the NLA, the Coast Guard (JDF CG), The Maritime Authority (MAJ) and the Port Authority (PAJ). Wider stakeholder involvement and awareness is necessary for identifying and meeting Jamaica's hydrographic needs.

3. New charts & updates:

The UKHO is the Primary Charting Authority (PCA) for Jamaica and generally gives detailed information on new charts and editions covering Jamaican waters.

4. New publications & updates:

No new publications or updates.

5. MSI**a) Existing infrastructure for MSI dissemination**

The Jamaica Defense Force Coast Guard (JDFCG) is the focal point for the broadcast of short term Safety Messages on the internationally assigned marine radio frequencies and for all e-mail alerts to the National Geospatial-Intelligence Agency (NGA) for NAVAREA IV.

The Port Authority of Jamaica (PAJ) has responsibility for disseminating long term messages to the print media, the charting agency, shipping agencies and to the JDFCG for transmission to the NGA.

b) Statistics on work of the National Coordinator

The NLA has received confirmation of 3 messages that were sent to the National coordinator.

c) New infrastructure in accordance with GMDSS Master Plan

No new Arrangemnets.

d) Challenges and achievements

There is an agreed procedure for sending messages to the national coordinator but none exists for the national coordinator to communicate confirmation that the message was received and broadcast by the NAVAREA IV coordinator. In addition, some stakeholders have not complied with the procedure for reporting to the National coordinator by not copying their messages to the other stakeholders.

6. C-55

There has been no change to the status of Jamaica's hydrographic coverage.

7. Capacity Building**a) Offer of and/or demand for Capacity Building**

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, which should be done by a Nautical Cartographer. Our next goal is to access training in a Category B Cartographer course in 2020.

b) Training received, needed, offered

Nine persons from the NLA, MAJ, JDFCG and the PAJ received theoretical and practical training in hydrographic data acquisition using multibeam in June 2019. The training was conducted by the UKHO as part of the Commonwealth Marine Economies Programme (CME).

One of our Hydrographic staff is currently in training at the University of New Hampshire, USA for the Category A course in Hydrography which will be completed in August 2020.

Two persons attended the recently completed Hydrographic Governance Workshop in the UK, there was a wealth of information presented and a focus on data for varied uses within the Blue Economy as opposed to simply being a requirement under SOLAS.

c) Status of national, bilateral, multilateral or regional development projects with a hydrographic component. (In progress, planned, under evaluation or study)

Jamaica continue to benefit from assistance from the United Kingdom Hydrographic Office UKHO, under the CME and other capacity building opportunities through the IHO/MACHC. The NHC has identified a number of areas for survey in the near future, it is hoped that other areas will be identified as other stakeholders come onboard.

d) Description of proposals and requests to the IHO/CBSC

The NLA hereby expresses interest in accessing a Category B Nautical Cartographer training course.

8. Oceanographic activities

a) General

b) GEBCO/IBC's activities, GEBCO Seabed 2030 activities

c) Tide gauge network

There is ongoing monitoring of tide levels at Port Royal, which is done by the Meteorological Service of Jamaica.

d) New equipment

e) Challenges and achievements

9. Spatial data infrastructures

a) Status of MSDI

b) Relationship with the NSDI

c) Involvement in regional or global MSDI efforts

d) National implementation of the Shared Data Principles – including any national data policy and impact on marine data.

e) MSDI national portal

f) Best practices and lessons learned

g) Challenges and achievements

10. Innovation

a) Use of new technologies

- b) Risk assessment
- c) Policy matters

11. Other activities

[Describe any other significant developments of interest to the MACHC since the last meeting related to the items below]

- a) Participation in IHO meetings
- b) Meteorological data collection

c) Geospatial studies

The University of the West Indies and geo-data specialists Fugro Geoid SAS partnered in the collection and processing of LIDAR data including bathymetric and topographic (to about 100m inland). The data acquisition on three sites in Jamaica is complete and the processing is ongoing.

The project, is funded through the Investment Plan for the Caribbean Regional Track of the Pilot Programme of Climate Resilience (PPCR) and the data will be used for assessing coastal vulnerability and to support climate analysis related to sea-level rise, storm surges and flooding in the Caribbean region.

- d) Preparation for responses to disasters
- e) Environmental protection
- f) Engagement with the Maritime Administration
- g) Aids to Navigation matters
- h) Magnetic and gravity surveys
- i) International engagements
- j) Others

12. Conclusions

[Provide a short summary statement that highlights any of the following:]

a) *Areas of significant achievement*

Jamaica's hydrographic effort has been considerably bolstered by the donations made by and training courses put on by the UKHO under the CME, as well as by other capacity building opportunities afforded by the IHO/MACHC. The NHC is taking steps to develop a systematic approach to improving Hydrography in our island and will develop a National Hydrographic Survey Program.

b) *Areas of particular concern*

There is a need for greater stakeholder involvement in this process, efforts to garner support in this regard will be made with a renewed focus on Hydrography as an enabler in the stimulation of our Blue Economy.

c) *Any other matters of interest to the MACHC*

We look forward to the continued support from and cooperation with our partner IHO Member States, the MACHC and our bi-lateral partners and to forming new partnerships with our Caribbean neighbours.

Input to the IHO Publication P-5 (*Yearbook*)

Country: Jamaica
 Organization: National Land Agency

(Please provide the information in English)

Contact information/ Informations de contact / Información de contacto	
-National Hydrographer or equivalent -Directeur du service hydrographique ou équivalent -Director del Servicio Hidrográfico o equivalente	Post: Chief Hydrographer Name: Mr Antonio Williams Postal address: 23 ½ Charles Street, Kingston, Jamaica W.I. Tel: 1(876)750-5263 Fax: Email: antonio.williams@nla.gov.jm
-Head of the Hydrographic Office (if different from the person indicated above) -Directeur du Service Hydrographique (si différent de la personne indiquée ci-dessus) -Director del Servicio Hidrográfico (si diferente de la persona indicada anteriormente)	Post: Senior Director, Surveys and Mapping Division Name: Dr. Glendon Newsome Postal address: 23 ½ Charles Street, Kingston, Jamaica W.I. Tel: 1(876)750-5263 Fax: Email: glendon.newsome@nla.gov.jm
-Other point(s) of contact -Autre(s) point(s) de contact -Otros punto(s) de contacto	Post: Chief Executive Officer, National Land Agency Name: Mrs Elizabeth Stair Email: Elizabeth.stair@nla.gov.jm
-Web site -site web -sitio web	www.nla.gov.jm
Country information / Informations sur le pays/ Información sobre el país	
-Declared National Tonnage -Tonnage national déclaré -Tonelaje Nacional Declarado	Tonnage: Date:
-National day -Fête nationale -Fiesta nacional	Independence Day – August 6
-Date of establishment and Relevant National Legislation -Date de mise en place et législation nationale pertinente -Fecha de constitución y	August 6, 1962

legislación nacional pertinente	
-Date first joined IHO -Date d'adhésion à l'OHI -Fecha de adhesión a la OHI	1991
-Date ratification Convention -Date de ratification de la Convention -Fecha de ratificación de la Convención	April, 2000
-Remarks on membership -Remarques sur l'adhésion -Comentarios sobre la adhesión	Membership in the IHO and MACHC have been very enlightening and beneficial to Jamaica, especially in the development of hydrographic capacity.
Agency information/ Information sur l'agence/ Información sobre la agencia	
-Top level parent organisation -Organisme mère -Organización asociada de nivel superior	Ministry of Economic Growth and Job Creation
-Principal functions of the organisation or the department -Attribution principales de l'organisme ou du département -Principales funciones de la Organización o departamento	
-Annual operating budget -Budget annuel -presupuesto anual	
-Total number of staff employed -Effectifs totaux -Número total de personal empleado	The National Land Agency has 730 established posts, 150 of which are in the Surveys and Mapping Division.
-Number of INT charts published -Nombres de cartes INT publiées -Número de cartas INT publicadas	
-Total number of paper charts published-Nombre total de cartes papier	

publiées-Número total de cartas de papel publicadas				
-Number of ENC cells published -Nombres de cellules ENC publiées -Número de células ENC publicadas				
-Number of Other charts -Nombre d'Autres cartes -Número de Otras cartas				
-Type of publications produced -Type d'ouvrages produits -Tipo de publicaciones producidas				
-Detail of surveying vessels/ aircraft -Détail des bâtiments hydrographiques / aéronefs -Detalle de los buques hidrográficos / aeronaves	-Name -Nom -Nombre	-Displacement -Déplacement -Desplazamiento	-Date Launched -Date de mise en service -Fecha de botado	-Number of crew -Nombre de l'équipage -Tripulación
-Other information of interest -Autres informations utiles -Otra información de interés				

Input to the IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*)

Country: _____

(Please provide the information in English)

C-55 Summary for:				Comments on Charts:
Country:				
Country Iso Code:				
Country SubCode:				
INT Region:				
Country/Depend:				
Last updated:				
Provided by:				
Chart coverage	Passage (%)	Coastal (%)	Port (%)	Comments on Surveys:
INT				
RNC				
ENC				
Status of Paper Charts				
Paper charts with depths in meters (%)				
Paper charts referenced to a satellite datum (%)				
Status of surveys	Adequate (%)	Resurvey (%)	No survey (%)	
0-200m				
> 200m				

MSI	Y/N	Comments on MSI:
Local warning		
Coastal warning		
Nav warning		
Port warning		
GMDSS	Y/N	Comments on GMDSS:
Master Plan		
Area A1		
Area A2		
Area A3		
NAVTEX		
SafetyNet		

National MSI Self-Assessment

Country: _____

Organization: _____

(Please provide the information in English)

1. Maritime area

[Describe maritime area including details of the geographic boundaries]

2. Operational Points of Contact for the National Coordinator

INSTITUTION	TELEPHONE	FACSIMILE	EMAIL

3. GMDSS Master Plan

*[Report on the status of the GMDSS Master Plan: Is it up to date? When was the last update?]**[Specifics of equipment used and software version with date up-dated]*

Equipment Type for Ports and Local Area	Software Version	Date of Up-date

[Detail the number of warnings identified as immediate priority (requiring transmission within 30 minutes) and the average elapsed time for passing to NAVAREA coordinator, as reported to the last RHC meeting]:

Year Y-2		Year Y-1		Year Y	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
xx	xx.x Mins	xx	xx.x Mins	xx	xx.x Mins

4. NAVTEX Coverage:

[Diagram of NAVTEX stations and service areas within maritime area; Contact details for NAVTEX Stations; Confirm operational status has been validated.]

5. Operational Issues:

[New infrastructure in accordance with GMDSS Master Plan; Problems encountered?]

6. Contingency Planning

[Provide information regarding contingency plans that have been established and future plans where appropriate. Also report on any testing of the plan that has been conducted]

7. Capacity Building

[Demands for Capacity Building, Training requested or received, any offered, status of national, bilateral, multilateral or regional development projects with MSI component]

8. Other Activities

[Participation in other IHO or IMO Working Groups, Regional Hydrographic Commissions, regional conferences related to MSI over past year]

9. National Maritime Website

[(Address, statistics (if permitted by national legislation; how often is the information on your web site updated? Do you display the date and time of the last update on your web site?)]

10. Recommendations

[If any]

11. Summary

[Please provide a short summary of this paper which will be included in the final report of the meeting.]