

# National Report Suriname 2020

**21<sup>st</sup> MESO-AMERICAN – CARIBBEAN SEA HYDROGRAPHIC  
COMMISSION MEETING**  
30 November – 3 December 2020

**Maritime Authority Suriname**  
**November 29, 2020**

# Executive Summary

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# 1. Hydrographic Office/Service

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Maritime Authority Suriname aims for the following:

- A safe and efficient transfer securing sea-going vessel to and from Suriname in regards with international norms and rules accepted and in conformity with the treaties established by Suriname.
- Supervision of the compliance of legal requirements for shipping and maritime traffic.
- To be a recognized authority in both the national and international maritime field.
- Further professionalizing of the implementation of duties and making of proposals for the modernizing of the legislation.
- To undergo a culture change, which is focused on productivity and a professional working attitude.

Vision:

TO BE A PROFESSIONAL, COMMERCIAL ORIENTED, INNOVATIVE AND LEADING ORGANIZATION.  
INITIATING AND FACILITATING MARITIME DEVELOPMENT

Mission Statement:

“ASSURING SAFE, SECURE, ENVIRONMENTALLY SOUND, EFFICIENT AND SUSTAINABLE SHIPPING”.

## 2. Surveys

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- Coverage of new surveys: none
- New technologies and / or equipment: none
- New ships: none
- Crowdsourced and satellite-derived bathymetry - national policy:
  - All data collected in the offshore area are referenced at Mean Sea Level.
  - All data collected in the nearshore area are referenced at Low Water Spring.
  - Inland surveys are exclusively conducted by MAS and are referenced at Low Water Spring.
- Challenges and achievements:
  - The year 2020 was a challenging year, due to Covid-19.
  - Hydrographic surveys were conducted only for the critical areas in some parts of the Suriname River and the entrance of the Commewijne River (Chart 2765) and the entrances of the Corantijn and Nickerie River (Chart 2228).

- Special attention is given to the critical area in the entrance of the Suriname River between the buoys S6-S10. Due to the sedimentation, a monthly survey is done in this area for monitoring.
- Due to transitioning of IHO to S-100 standards, our hydrographic surveys must also be in accordance to S-100. A gap analysis will be conducted at the beginning of 2021.

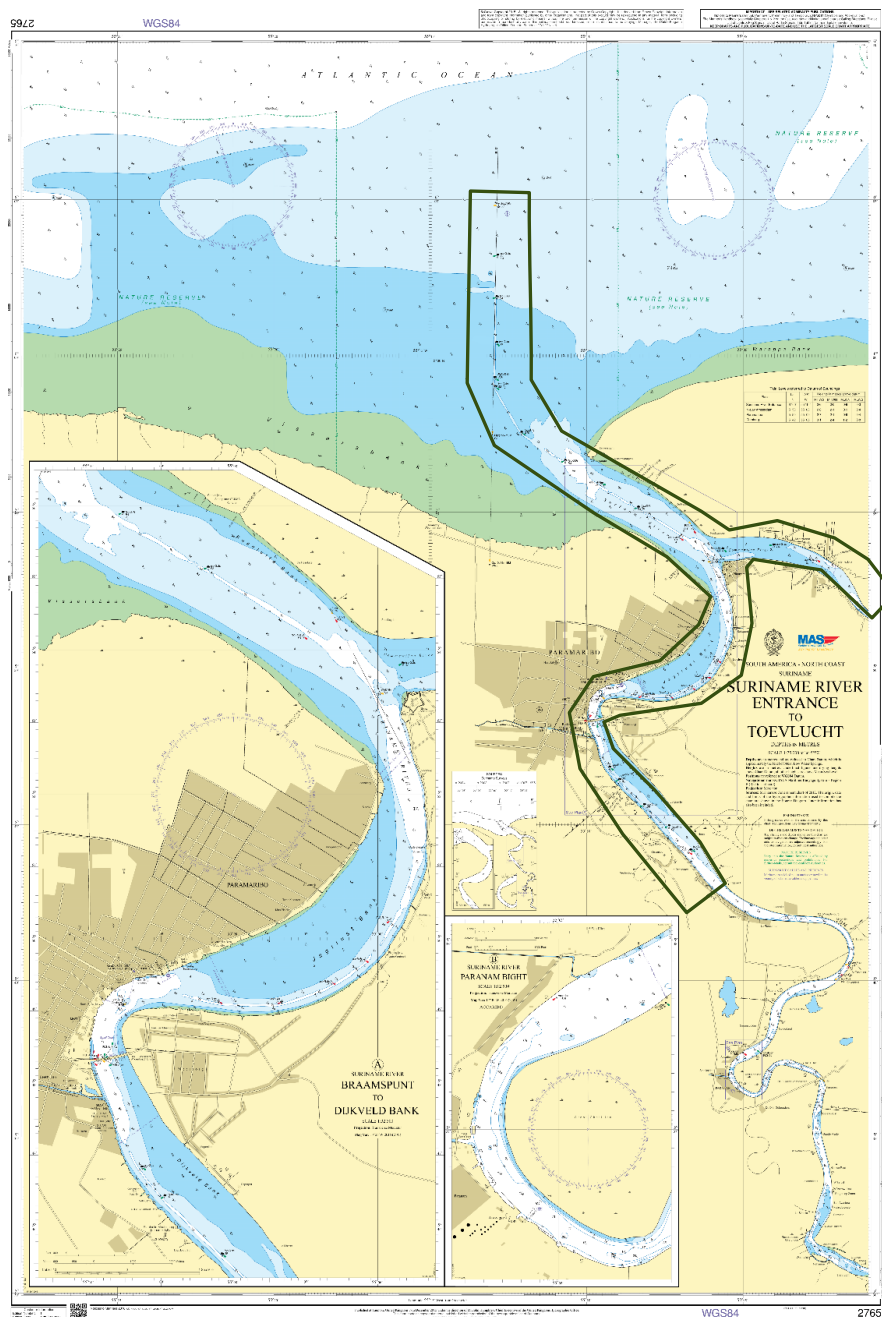


Figure 1: Chart 2765 of Suriname river with the green-outline indicating the survey areas.

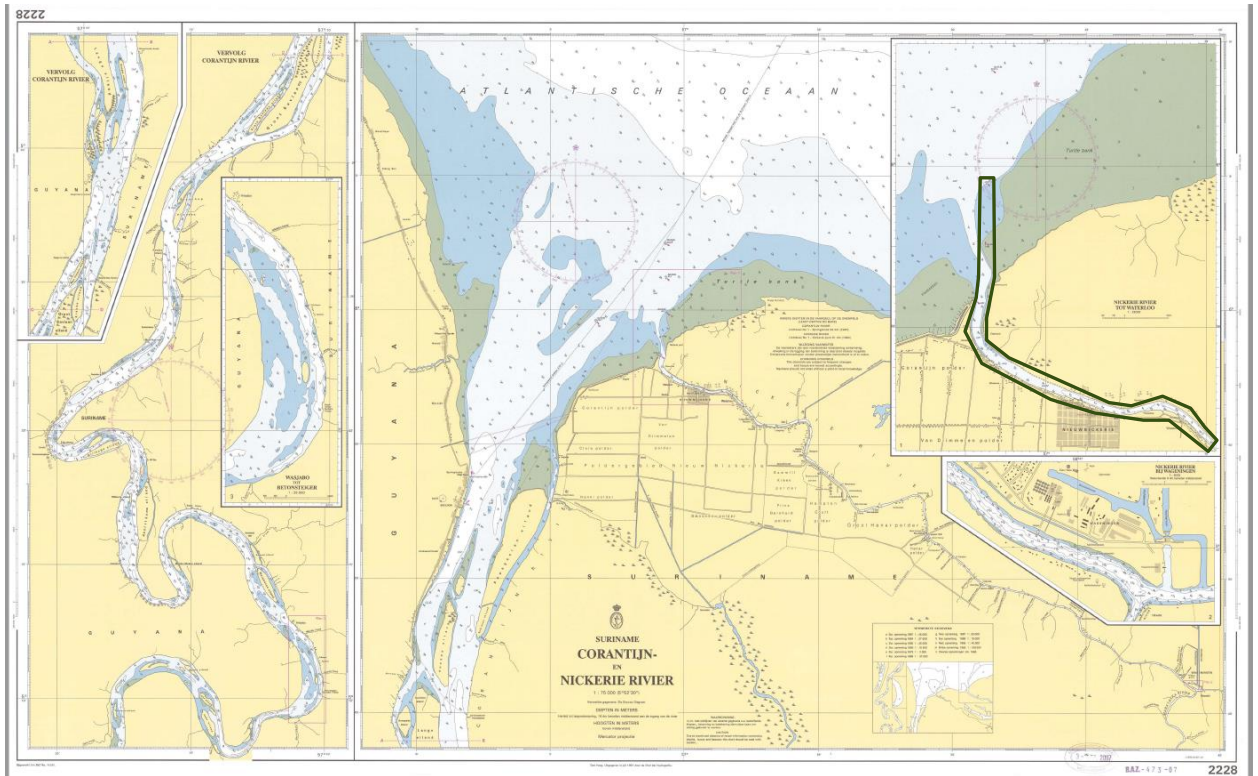


Figure 2: Chart 2766 of Corantijn and Nickerie River with the green-outline indicating the survey areas.

### 3. New charts & updates:

- ENC coverage:

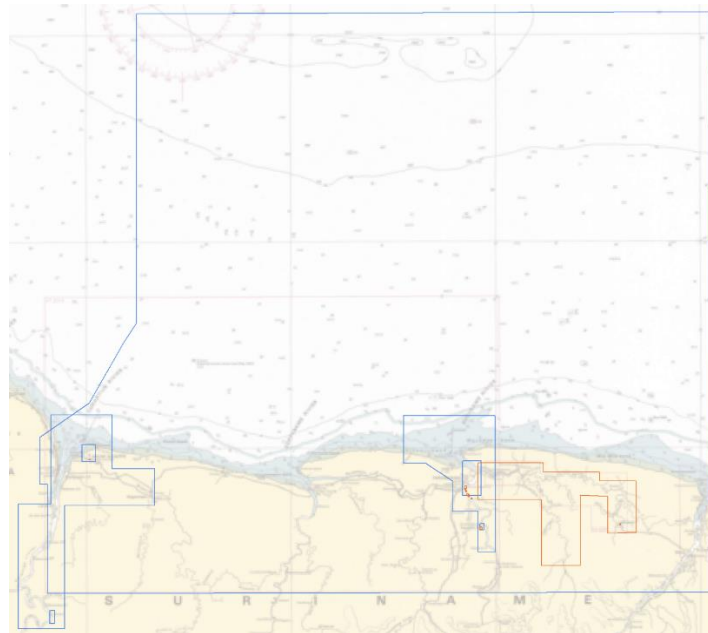


Figure 3: ENC Coverage

## Planning Paper Charts and ENC's

ENC and Chart	Year	Publication	Producer	Status
Paper Chart SR2218/GB2765	2021	Update	Suriname/ UKHO	New data available. Planning
ENC SR402218, SR52218A, SR52218B	2021	Update	UKHO	New data available. Planning
Paper Chart 2017	2021	New edition	Suriname/ UKHO	Ongoing.
Paper Chart 2766	2021	Update	UKHO	New data required
ENC SR402766, SR5C2766, SR5D2766	2021	Update	UKHO	New data required
ENC ISPS ports	September 2019 - 2021	New edition and updates	Suriname	Ongoing.

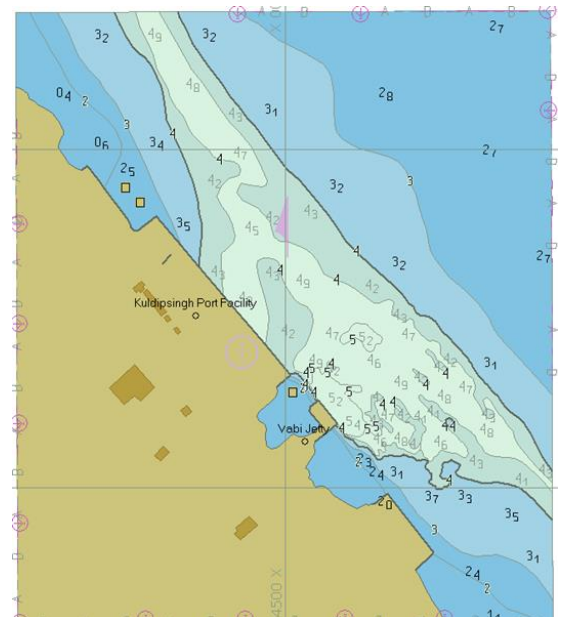
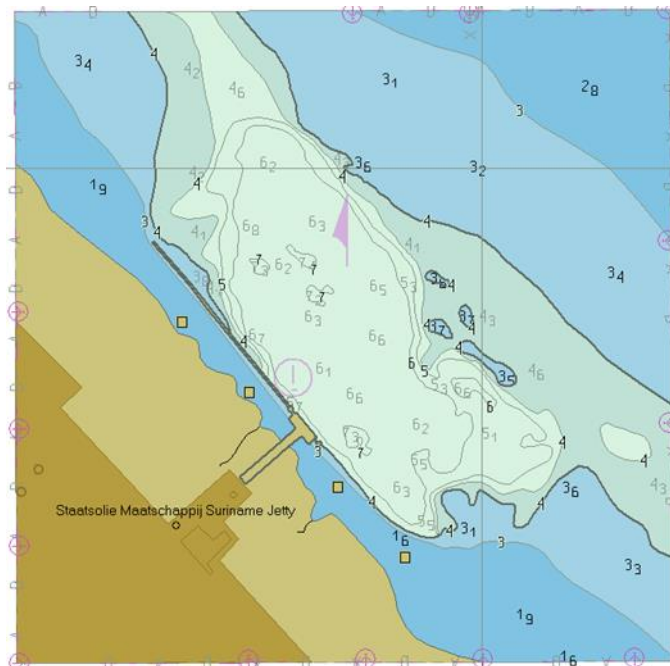
## New Charts & updates

	ISPS Ports	IMO Number	ENC	Frequency update ENC
1	N.V. MEELMAATSCHAPPIJ DE MOLEN	SRPBM-0002	SR6001SR	Yearly
2	LA VIGILANTIA PORT FACILITY	SRSMA-0001	SR6002SR	Yearly
3	TRAYMORE N.V. DOCK 2	SRMOJ-0003	SR60304SR	Yearly
4	TRAYMORE N.V.	SRMOJ-0001	SR60304SR	Yearly
5	HAVEN VAN Nw. NICKERIE	SRICK-0002	SR6005SR	Yearly

6	NIEUWE HAVENTERMINAL	SRPBM-0001	SR6006SR	Yearly
7	OLIESTEIGER	SRPBM-0003	SR6007SR	Yearly
8	SUHOZA WHITE OIL BULK STORAGE FACILITY	SRPBM-0004	SR6008SR	Yearly
9	VENSUR N.V.	SRPBM-0006	SR6009SR	every 6 months
10	STAATSOLIE MIJ. SUR. N.V.	SRPBM-0005	SR6010SR	quarterly
11	Alumina Dock/ Paranam Port	SRPRM-0001	SR610123	Yearly
12	General Dock	SRPRM-0002	SR610123	Yearly
13	LPG Dock	SRPRM-0003	SR610123	Yearly
14	RUDISA HOLDING MAATSCHAPPIJ	SRSMA-0002	SR6014SR	Yearly
15	VABI Jetty	SRPBM-0024	SR61516S	every 6 months
16	KULDIPSINGH PORT FACILITY N.V.	SRPBM-0026	SR61516S	every 6 months
17	RUBIS	SRPBM-0027	SR6018SR	Yearly

ENC and Chart	Year	Publication	Producer	Status
ENC ISPS ports band 6 for PPU	2020-2021	New editions	Suriname	Ongoing 10 ENCs already compiled.
ENC for PPU	2020	Update	Suriname	Ongoing





Figures 4 and 5: ENC Band 6 Staatsolie Maatschappij Suriname Jetty and Kuldipsingh Port Facility

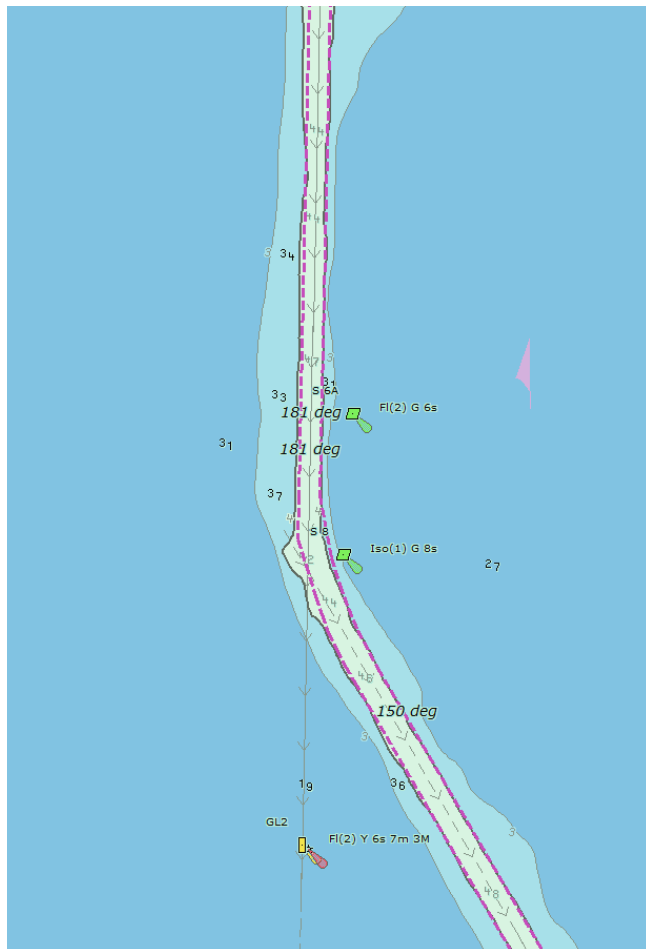


Figure 6: ENC for Portable Pilot Unit



- ENC Distribution method: through IC-ENC and UKHO
- Challenges and achievements:
  - PPU's are used to aid the pilots in navigating through the critical area in the entrance of the Suriname River, between buoys S6 – S10. The ENC for this area is produced for internal use.
  - This year MAS has continued to independently produce ENCs band 6 for the ISPS ports.
  - MAS is preparing to transit the production of nautical charts in accordance with S-100 by upgrading the Caris license to 4.1.

## 4. New publications & updates:

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- Tide Table 2021 for Suriname. Tide tables are released for each year.
- Shipping Notices for the nautical accessibility of ISPS certified ports and rivers are updated after detail surveys of the ports.
- Means of delivery: The Shipping Notices of the ISPS Ports are published through the website of the Maritime Authority Suriname and are also sent to all shipping agents per email.

## 5. MSI

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- Existing infrastructure for transmission:  
Partial radio warnings for coastal area through VTC .  
NtM published in local papers and website, emailed to mariners.  
NtM submitted to the NAVAREA coordinator
- New infrastructure in accordance with GMDSS Master Plan:  
Currently a GMDSS Master Plan is still in concept. The organization responsible for the GMDSS is the Coast Guard of Suriname (established in 2019), Search and Rescue obligation are partially covered. The Coast Guard of Suriname work in collaboration with Search and Rescue coordinator of the region.  
MAS will assist the Coast Guard in developing the national GMDSS.
- Challenge: assistance requested for the implementation of MSDI and a lack of finance for the development of GMDSS.

## 6. C-55

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See Annex B

## 7. Capacity Building Offer of and/or demand for Capacity Building

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- Training offered:
  - The next IALA -Level 1 Aids to Navigation Manager Course 2021 is planned for October – November 2021.
- Training received:
  - IALA WWA Accredited Training Organization Seminar 5th November 2020
  - CARIS S-100 Online Workshop
  - The 5th IC-ENC Technical Conference from 26th -29th October 2020 Microsoft Teams Meeting.
  - MACHC Marine Spatial Infrastructure meeting on October 28, 2020, where presentations were given about the importance of MSDI and detailed Risk Assessments.
- Training needed:
  - Demand for Capacity Building:
    - Hydrography cat. A
  - Required Internship:
    - Tidal analysis: for the determination of LAT and tidal modelling.
    - Side Scan Sonar image interpretation
  - Require assistance in MSI:
    - An expert required for a one-week workshop for government institutions contributing to MSI
    - An expert required to assist in drafting a national MSI plan (information flow and physical infrastructure for MSI information or other means available
    - Area A1 –VHF coast stations (about 20-30 NM)
    - Area A2 –MF coast stations (about 100NM ) and NAVTEX
  - Require assistance in Maritime disaster response management:
    - An expert required for a one-week workshop on Maritime disaster management for government institutions resulting in a Maritime disaster plan
- Status of national projects:
  - MoU with Anton de Kom University Suriname in progress
  - North Brazil Shelf Large Marine Ecosystem (NBS LME )Mangroves (GEF IW-6) project: "Setting the foundations for zero net loss of the mangroves that underpin

- human wellbeing in the North Brazil Shelf Large Marine Ecosystem” The main aim of the is to help establish a shared and multi-national process for Integrated Coastal Zone Management in the NBS.
- Project ‘Promoting Integrated and Participatory Ocean Governance in Guyana and Suriname: The Eastern Gate to the Caribbean” is a four-year project funded by the EU covering the coastal and marine areas of Suriname and Guyana. the project aims to significantly enhance the governance and protection of marine and coastal resources of Guyana and Suriname through collaborative processes with all ocean stakeholders, improve knowledge of the coastal and marine environment, enhanced capacity of key stakeholders and informed marine spatial management.
- Status of bilateral projects: continuation of established MoU with the various organizations.
    - MoU DNH finalized
    - MoU IC-ENC finalized
    - MoU UKHO finalized
    - MoU SHOM finalized
    - MoU Universiteit Utrecht – Faculteit Geowetenschappen, Nederland (UU-GEO) in process with objectives:
      1. Guarantee the safe and efficient passage of sea-going vessels to and from Suriname based on internationally accepted standards and rules and in accordance with the conventions ratified by Suriname;
      2. Pursue a proactive policy and innovation in the maritime sector and incorporate them in the strategic plan through cooperation. Plays an increasingly important role nationally and internationally and is of great importance for the economy of Suriname. Developments in the world are constantly making higher demands on safe, secure and environmentally friendly waterways and shipping;
      3. Contribution to the Social, Social and Economic developments of Suriname through projects, scientific research, technological developments, training and education;

## 8. Oceanographic activities

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- General: due to the developments of the offshore and nearshore oil industries, seismic surveys and other surveys are being conducted by third parties. The area in figure below is currently being surveyed.

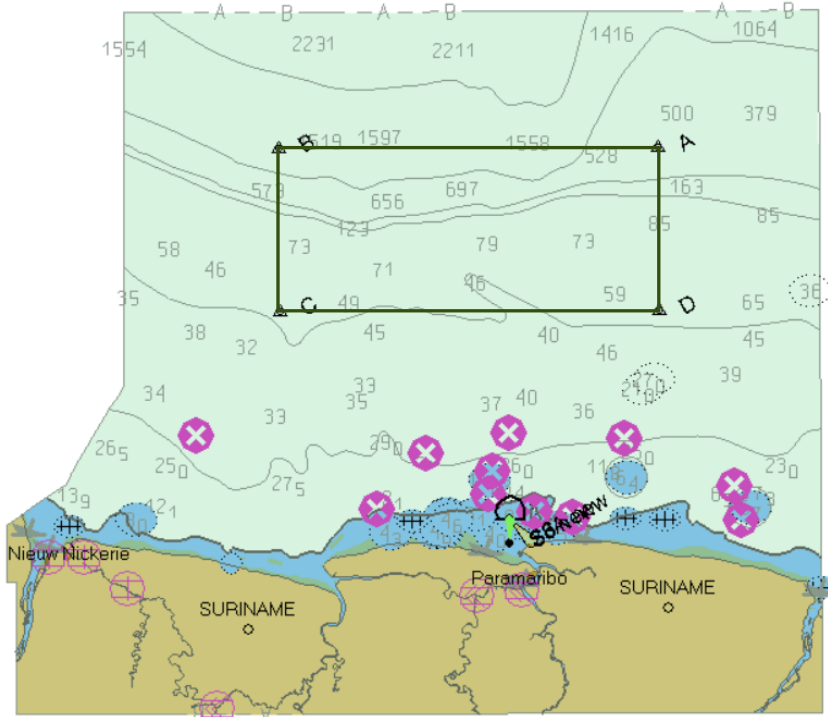


Figure 7: survey area conducted by third party in regards of offshore oil industry.

## 9 Spatial data infrastructure

- Status of MSDI: A structure for the MSDI is now in place and the hydrographic layers are maintained and updated. These layers include wrecks, Fairway Markings, information regarding ISPS Ports and other jetties.
- Relationship with the NSDI: The Management Institute for Land Registration and Land Information System, abbreviated as MI-GLIS is by the Surinamese Law the institution for developing and maintaining of NSDI, which is still under development. In December 2018, MI GLIS, in collaboration with ECLAC, organized the workshop “Towards a National Integrated Geospatial Framework in Suriname” and a Spatial Data Catalog from MI-GLIS is available. In this catalog some data (metadata) of different spatial data are stored.
- Involvement in regional or global MSDI efforts: Collaboration with Green Heritage Fund and WWF continues. Info / layers of the 3D model of the Surinamese coast will be placed on the Gonini web portal.
- National implementation of the Shared Data Principles – including any national data policy and impact on marine data: the Management Institute for Land Registration and Land Information System, abbreviated as MI-GLIS is by the Surinamese Law the institution for developing and maintaining of NSDI, which is still under development.
- MSDI national portal: not yet established.

## 10. Innovation

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- Use of new technologies: upgrade to Caris 4.1
- Risk assessment: none
- Policy matters: needs to be assessed

## 11. Other activities

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- ISO audit: A virtual ISO audit was held in November 2020. No nonconformities found and MAS maintain its certification of three years.
- A virtual 'Maritime Open Day' was held in November 20<sup>th</sup>, 2020 in regard of World IMO Day, World Hydrography Day and Seafarers Day. Schools and others interested were invited to learn more of maritime aspects. The participating parties were MAS, DP World, Coast Guard of Suriname, The Marine, Suriname Maritime Institute and WIMAC.

## 12. Conclusions

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The year 2020 was a very challenging year, due to Covid 19, but it also gave us other opportunities where we thought was challenging to implement. In regard to surveys, the critical areas of most of the areas were covered for the purpose of safe navigation.

As country, we are preparing ourselves for the transitioning to S-100 and we will do the gap analyses at the beginning of 2021, so that we can also implement the new standards and procedures according to S-100.

With respect to nautical charts, we have independently produced ENC's band 6 for ISPS certified ports, which will also contribute to safe navigation for these areas. The aim is to produce all our charts independently. For the transitioning to S-100, the Caris license is upgraded to 4.1

To further support safe navigation, we continue to publish and update Shipping Notices of the ISPS Ports and release tide tables for Suriname each year.

Regarding MSI, partial warnings will be delivered for the coastal areas through the Vessel Traffic Centre (VTC). Notice to Mariners will continue to be published in our local papers and our website and emailed to the mariners and we will continue submitting MSI to the NAVAREA Coordinator. The GMDSS Master Plan is still in concept, due to lack of finance.

We would like to thank all the training opportunities we received for this year. For the next year we have once more planned to facilitate the IALA- Level 1 Aids to Navigation Manager Course 2021 in October – November 2021.

In regard to the relationships with the various organizations we have, we would like to thank all for the good collaboration with your organizations and also wish to continue our partnerships.