



BRIEF TO IHO-ROK CAT A ALUMNI WORKSHOP



BY

LT CDR UK EREGE



NIGERIAN NAVY HYDROGRAPHIC OFFICE



INTRODUCTION



Introduction



I was nominated for the IHO/ROK sponsored IHO/ICA/FIG Category A Master of Science in Hydrographic Science Programme at the University of Southern Mississippi, USA in 2014.

I participated in the programme and completed the course in August 2015.





AIM



Aim

The aim of this presentation is to brief the participants of the IHO- ROK Cat A Alumni Workshop of my contributions to the NNHO on graduation.

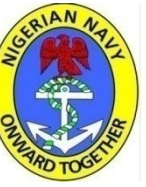


SCOPE



Scope

- Experience during the Cat A programme
- Lesson Learnt
- Contributions to the field of Hydrography
- Conclusion



EXPERIENCE AND LESSONS LEARNT



Experience and Lessons Learnt



The Hydrography programme at University of Southern Mississippi provided me with valuable experiences that have shaped my understanding of hydrography.

- **Advanced Technical Knowledge:** The program provided in-depth insights into various aspects of hydrographic science, including surveying techniques, data acquisition and processing, oceanography, and geospatial analysis.





Experience and Lessons Learnt

Hands-on Fieldwork: Engaging in fieldwork allowed me to apply theoretical concepts to real-world scenarios. Conducting surveys exposed me to the intricacies of data collection.

Multidisciplinary Collaboration: Collaborating with professionals from diverse backgrounds, such as geophysicists, oceanographers, and GIS specialists, highlighted the interdisciplinary nature of hydrography and importance of teamwork and effective communication in achieving successful hydrographic projects





Experience and Lessons Learnt

Cutting-edge Technology: The program introduced me to state-of-the-art equipment and software used in hydrographic surveys, such as multibeam and single-beam echo sounders, GNSS positioning, and remote sensing tools.

Data Analysis and Interpretation: The program emphasized data analysis techniques, enabling me to interpret complex hydrographic data sets accurately.





Experience and Lessons Learnt



Professional Networking:
Attending workshops, conferences, and seminars facilitated interactions with industry professionals and experts.

Building a strong network within the hydrographic community opened doors to potential career opportunities and collaborations.





CONTRIBUTIONS TO HYDROGRAPHY



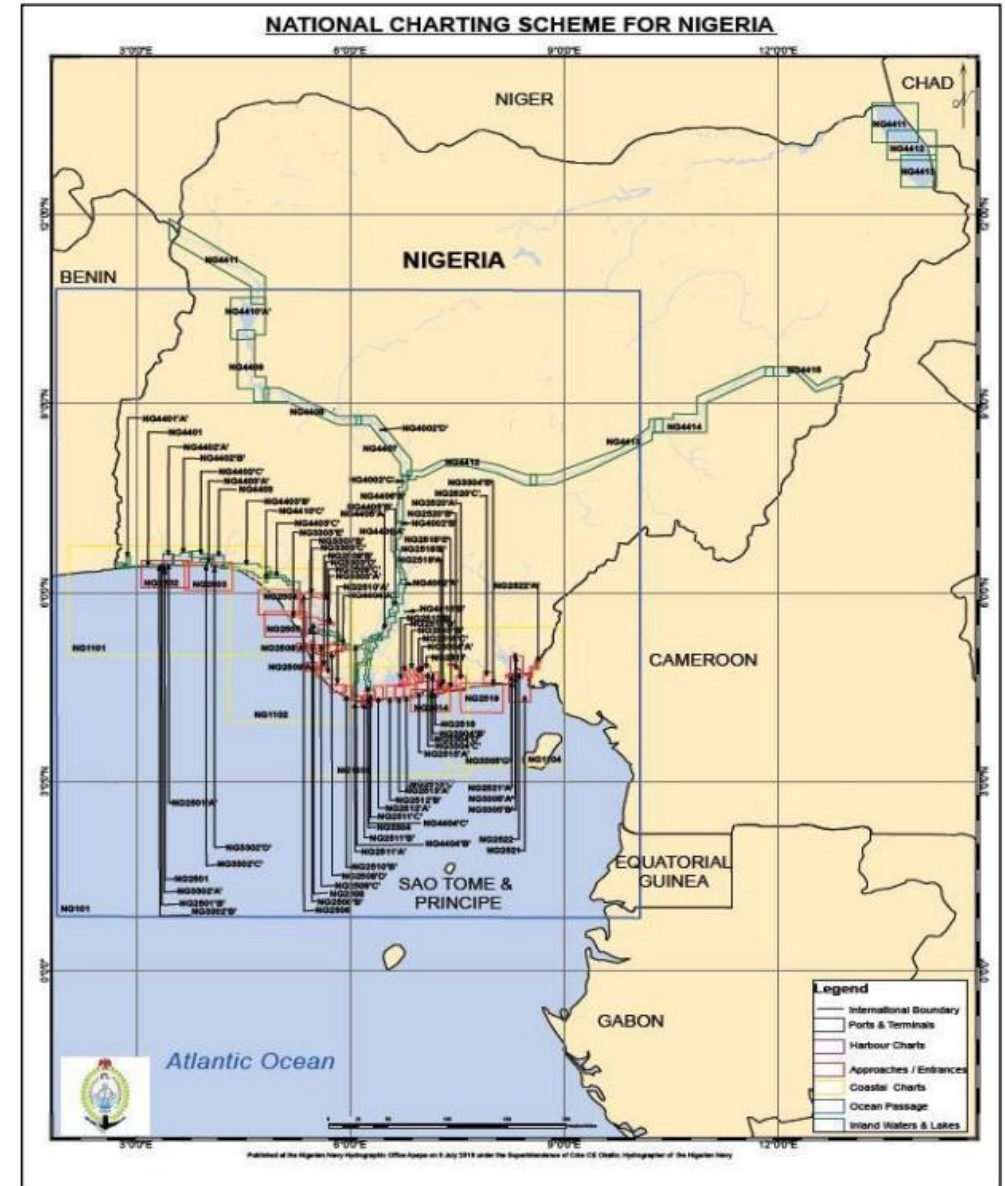
Contributions to Hydrography



National Charting Scheme

The National Charting Scheme of Nigeria was developed in 2018.

The scheme shows survey and charting plans for the entire navigable waters in Nigeria.





Contributions to Hydrography

Nigerian Navy Survey Fleet



Nigerian Navy Ship LANA

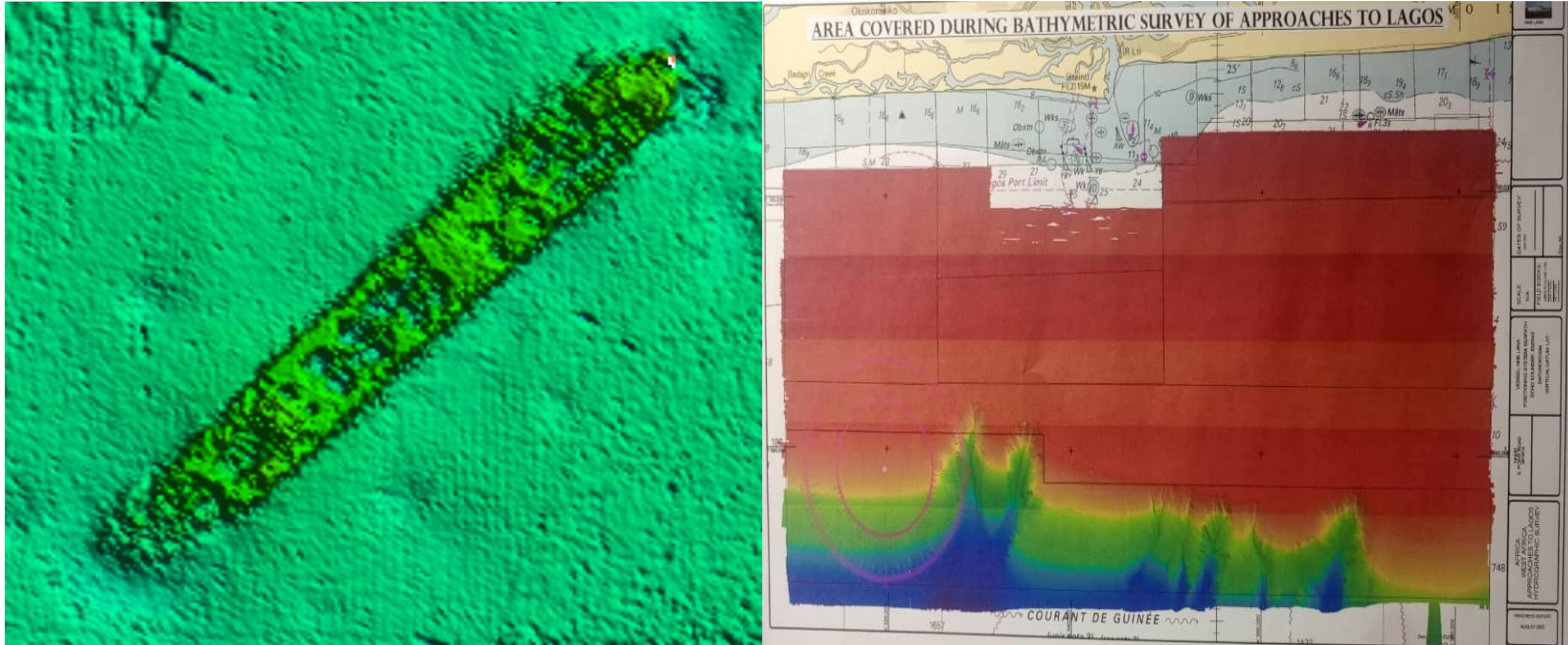


Nigerian Navy Inshore Survey Craft



Contributions to Hydrography

Acquisition of High Resolution Bathymetric Data





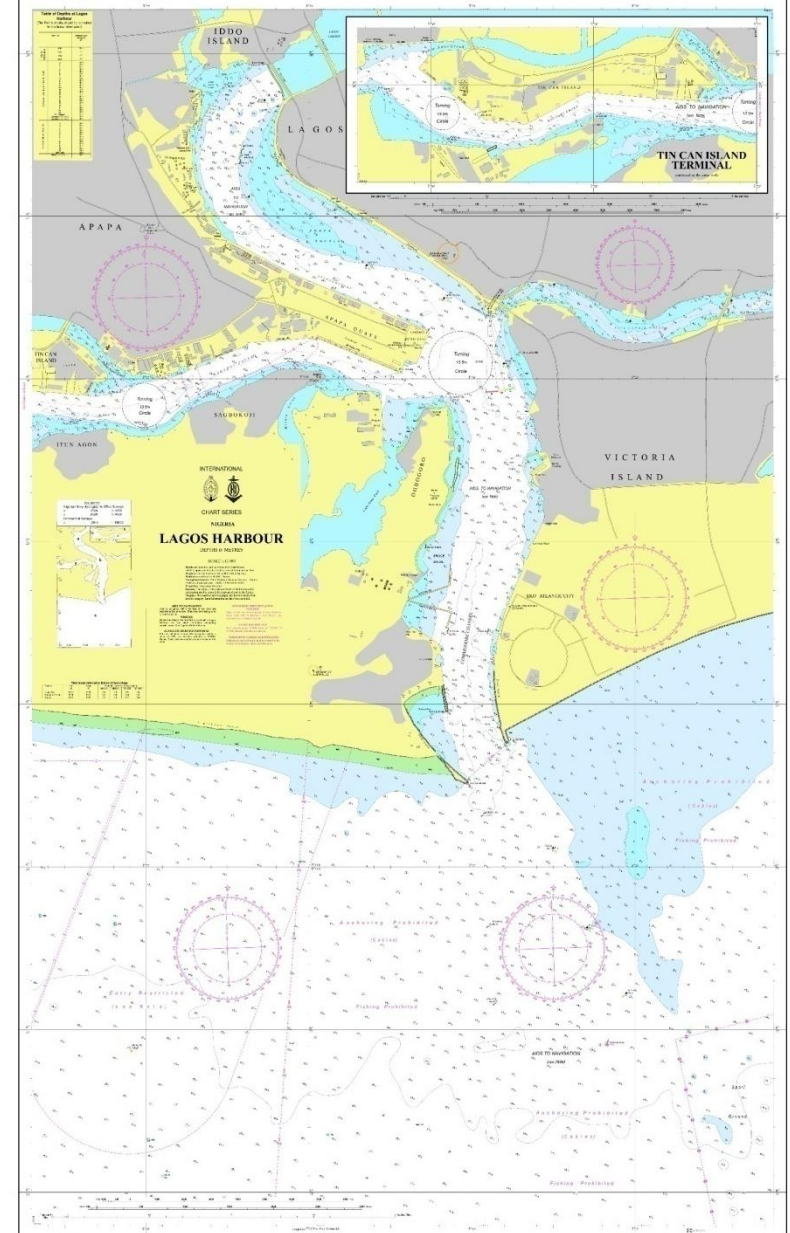
Contributions to Hydrography



Lagos Harbour NG2501 (INT 2812)

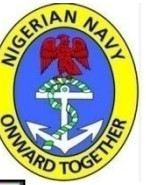
The first indigenous chart of Nigeria was produced in 2019.

NG2501 was designated an INT chart in 2021



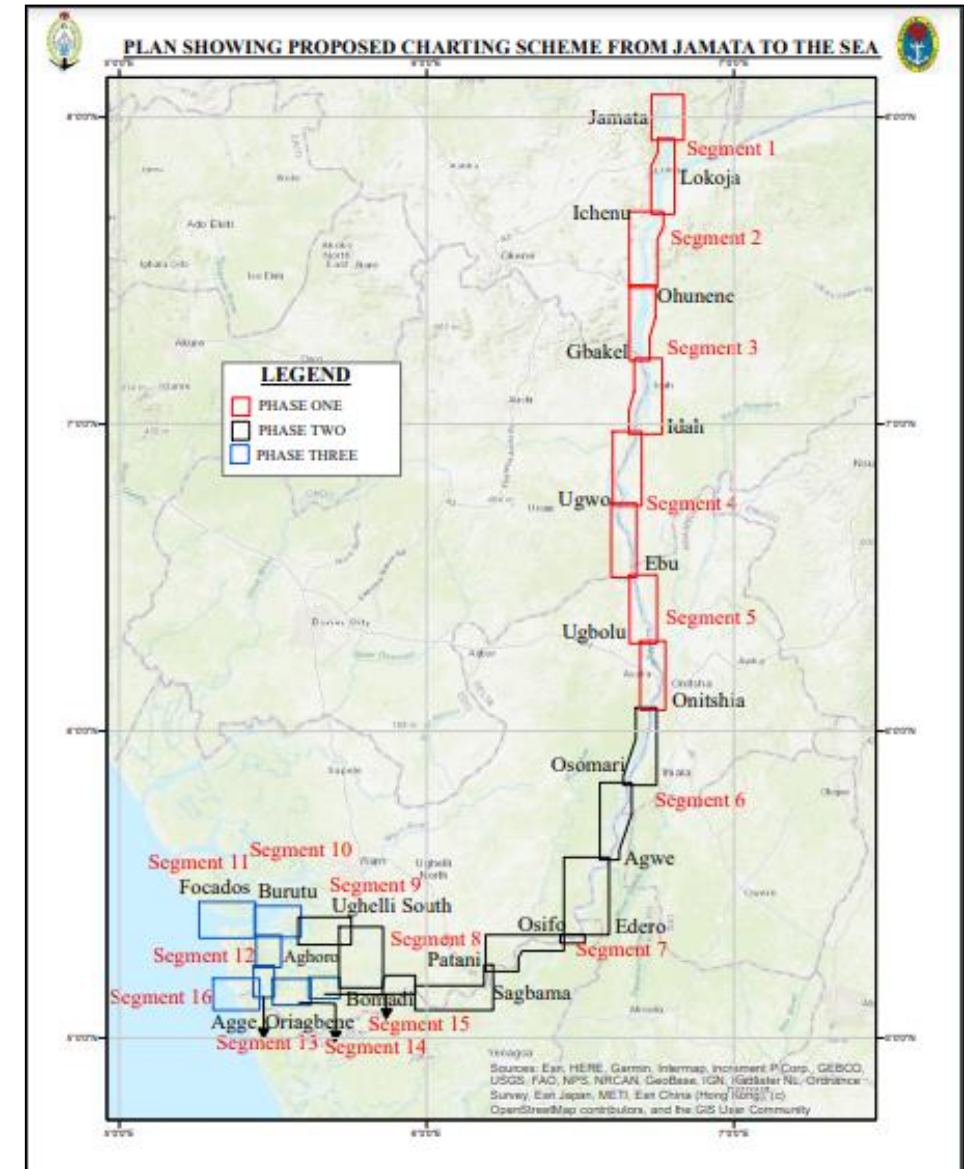


Contributions to Hydrography



The Hydrographic Survey of the Lower Niger River

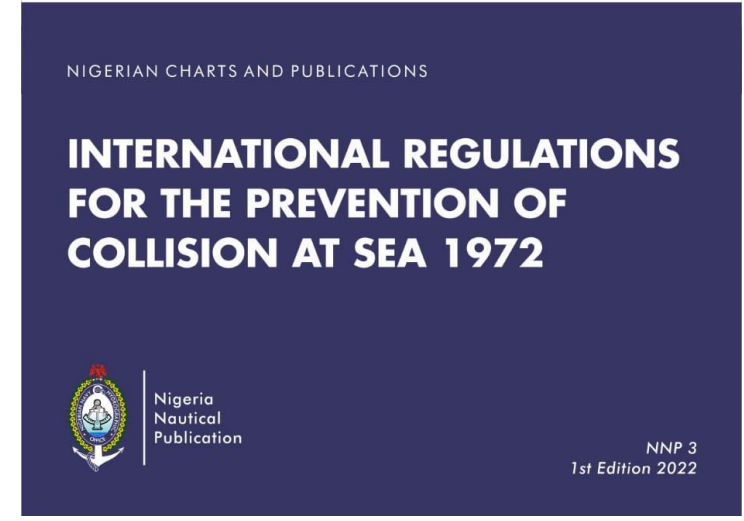
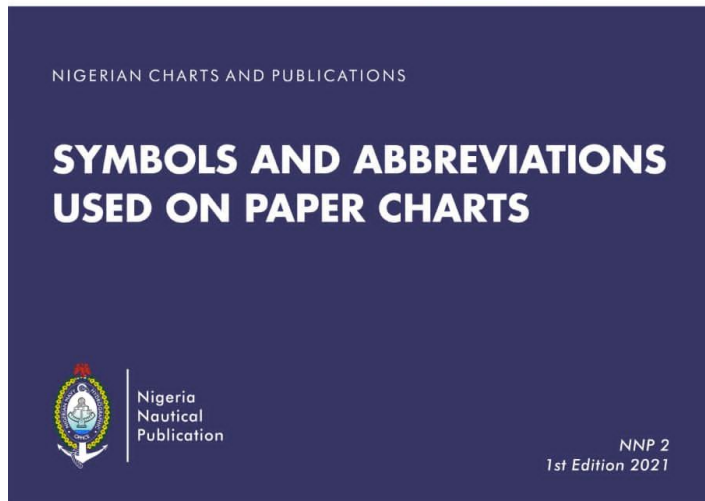
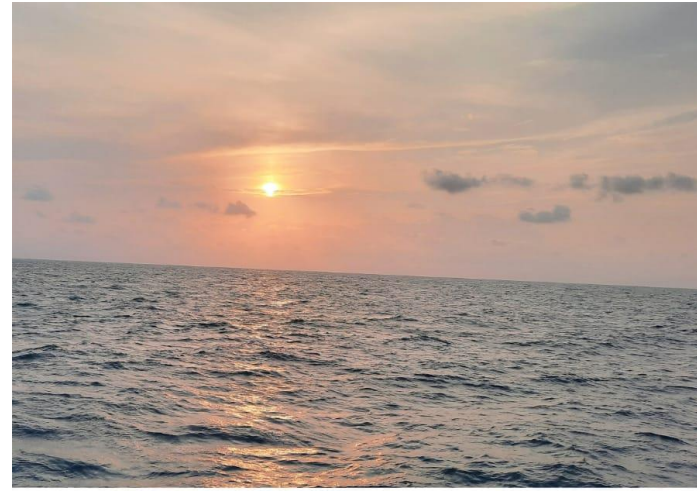
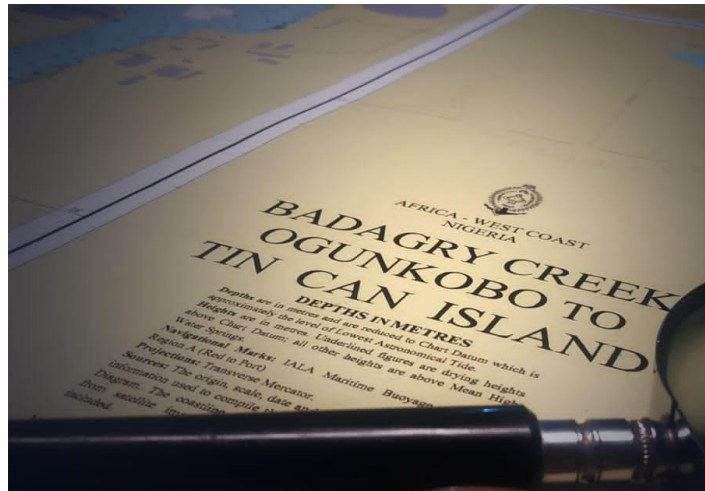
- Connecting the hinterland Lower Niger River to the Ramos and Forcados River and into Atlantic Ocean.
- Produced 17 paper charts and 33 ENC cells





Contributions to Hydrography

Nigeria Nautical Publications





Contributions to Hydrography



Signing Of Memorandum of Understanding Between the NIPPON Foundation-GEBCO Seabed 2030 Project (Seabed 2030) and Nigerian Navy (NN) On Wednesday 3 May 2023 At Monaco.





Contributions to Hydrography



Participation/Contribution in Hydrographic forums

- IC-ENC Working Groups
- IHO Working Groups

IC-ENC
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We would like to thank everyone who attended this week's extremely successful Steering Committee meeting in Bristol, UK!
It was a pleasure hosting 82 people in total, 46 in person and 36 virtually.
The two day meeting generated many thought provoking discussions, ideas and future initiatives.

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[#membership](#) [#collaboration](#) [#thoughtprovoking](#)
[#ideageneration](#) [#solas](#) [#bristol](#) [#meetings](#)



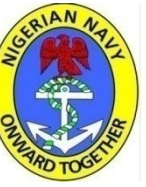


FUTURE SURVEYS AND CHARTING



Future Surveys and Charting

- The hydrographic survey and charting of Nigeria territorial waters in support of the NIPPON-GEBCO 2030 Seabed Project and other seabed mapping initiatives.
- Training of young hydrographers based on national and IHO standards and specifications.



THANK YOU