

# 21<sup>st</sup> Meeting of the South West Pacific Hydrographic Commission

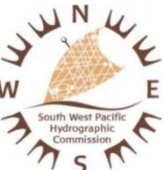
National Report by  
Papua New Guinea



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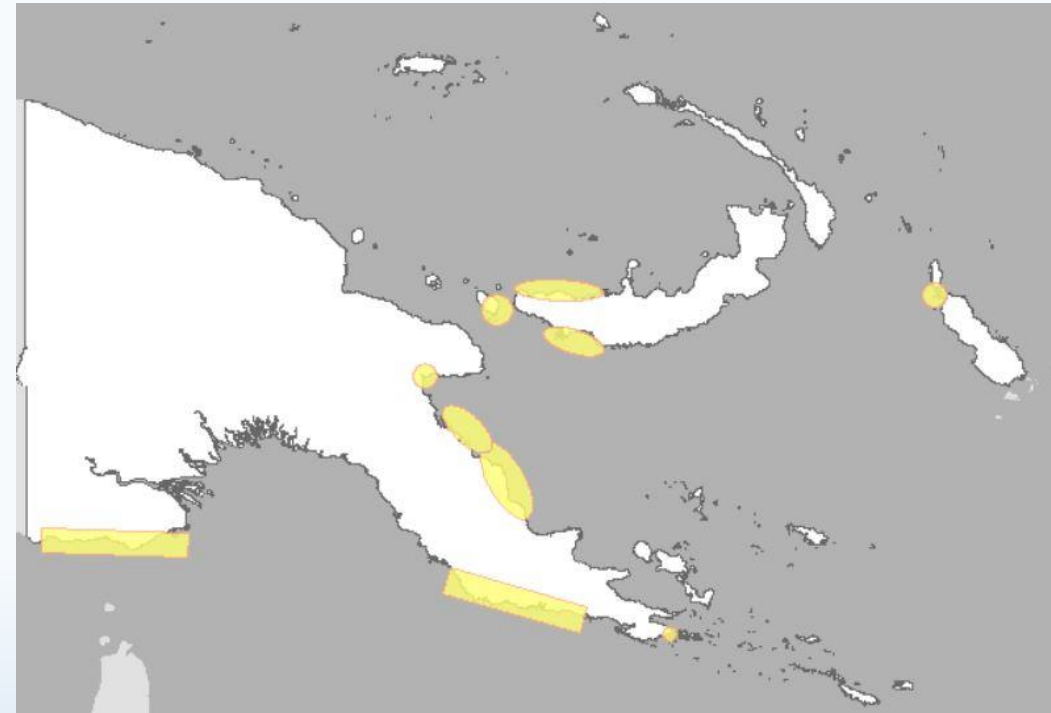
South West Pacific Hydrographic Commission



# Areas of Interest for Surveys

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- Umboi island, Gloucester, southwest coast of new britain
- Inner route Port Moresby to Brummer Island
- Madehas Island, Bougainville
- Dyke Ackland Bay - Cape Ward Hunt
- Nassau Bay – Cape Ward Hunt
- Daru to Health Bay



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# Main achievements during the year

- Signed a contract in Sep 2023 for training and delivery of CEESCOPE NovAtel 729 RTK Survey Kit (SBES). The SBES kit will enable PNG to carry out small hydrographic survey projects within ports and harbour areas.



## CEESCOPE™ NovAtel 729 RTK Hydrographic Survey System

### Features:

Internal data logging, Bluetooth, Industrial LAN, RS232, connectivity via K series LEMO connectors, high capacity internal rechargeable battery, high bright touch screen LCD.

- NovAtel OEM729 RTK GNSS L1/L2 GPS, L1/L2 GLONASS
- 555 Channels for Multi-Constellation GNSS
- 20Hz GNSS Position Output
- L-Band enabled (requires TERRASTAR active subscription)
- HF echo sounder (200kHz) with 20 Hz ping rate
- Internal UHF radio for receiving RTCM (403 – 473 MHz frequency range) - Requires users own RTK Base Station
- Maximum depth 200m



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# Awareness Workshop & Meeting – Aug 2023

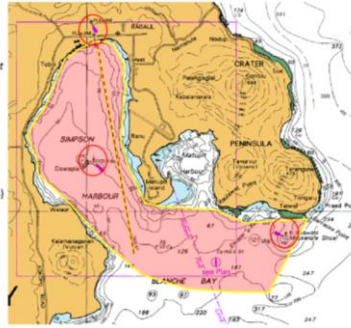
- Stakeholder Awareness Workshop & Meeting in Port Moresby, 7-9 Aug 23.
- Participants: 25 from Dept. of Transport, Ports, National Planning Dept. Navy, NMSA and AHO.
- Aim:
  - a) Raising awareness about hydrography, nautical charts, AtoNs and the community engagement program of NMSA. Group exercise on reading and understanding charts.
  - b) The meeting covered the charting and hydrographic survey priorities, incl. the need for establishing a NHCC.
- Outcomes: Alignment of hydrographic activities to national priorities.



# Awareness Workshops – Aug, Nov

- National SAR Workshop for Provincial Disaster Officers, 13-15 Nov 2023  
*Raise awareness on hydrography, nautical charts and support in disaster response*
- Ship Inspectors Workshop, Rabaul, 21-23 Aug 2023  
*Half-day session on charts and carriage requirements for domestic ships*

### Marine Disaster Response – Volcanic eruption



**Response Plan**  
Purpose:  
*Re-establish transport route into port for delivery of relief supplies.*

**Phase 1**

- Initial site assessment<sup>70m</sup>
- Issue navigation warning (ships)
- Channel Hydrographic survey
- Mapping of hazards\*
- Recovery/clearance plan
- Re-establish infrastructure (lights)


**Phase 2**

- Resurvey channel
- Cancel navigational warning
- Update chart PNG 680

**Requirements**


- Disaster risk mapping
- Baseline charts are updated and accessible
- NDC contacts
- Hydrographic response plan to disaster
- External support arrangements (donate for foreign support)

Chart Ref: PNG 680



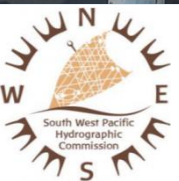
### EXERCISE

1. What is the Chart Number and title of the Chart?
2. What is the scale of chart?
3. When was the chart published and edition (if any)?
4. What is the latest notice to mariner affecting the chart (notice Number)?
5. Identify three chart symbols from you chart and explain.



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# Trainings Received

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- MSI Course (IHO/SWPHC)

2 officers attended MSI Course in Nadi, Fiji, 25-27 July 23

- Applied Hydrographic Survey Program (Fugro Academy, UK)

1 officer completed the Applied Hydrographic Survey Program, Aug-Dec 2023

- S-5B and S-8B Courses (IIC)

2 officers currently undertaking S-5B Hydrographic Survey course and S-8B Marine Geospatial Information course, sponsored by AHO



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# Crowdsourcing opportunities

- NMSA signed MOU with WAM Medical Ships – Australia & PNG, Aug 2022
- Supporting rural health care services and community development
- Cooperation in collection & reporting of hydrographic data & information
- Sea ride opportunities for NMSA personnel

The YWAM area of operation across the 5 provinces covers a total 29 charts. This represents 37% coverage for PNG chart series.



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Thank you



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