

16th Meeting of the South West Pacific Hydrographic Commission

Pacific Regional Navigation Initiative (PRNI)



International Hydrographic Organization
Organisation Hydrographique Internationale

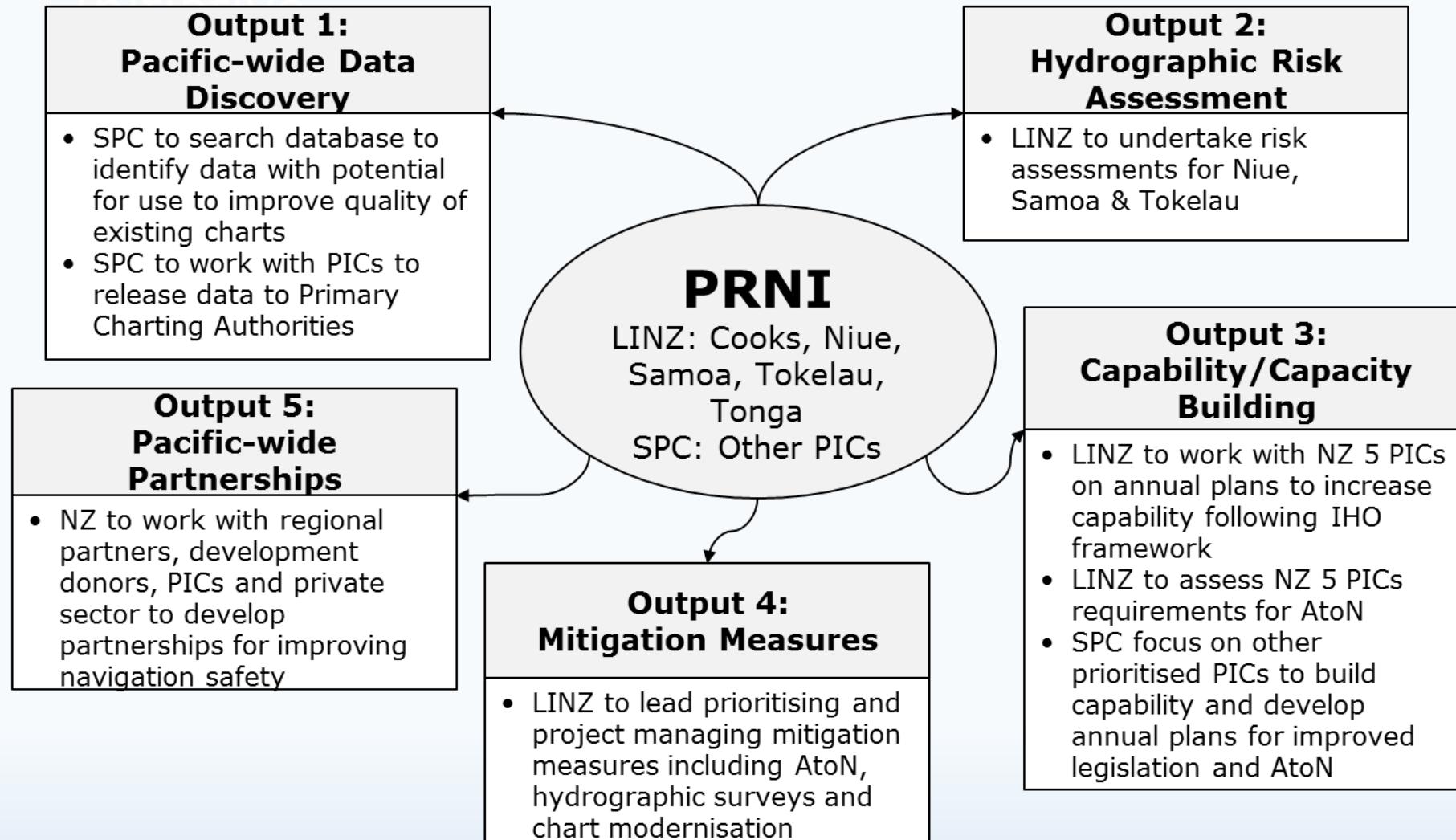


Pacific Regional Navigation Initiative (PRNI)

- 2015 - 5 year, \$5 million programme of works
- Partnership with MFAT, LINZ and SPC
- Focus on navigation-related aspects of maritime safety
- Builds on success on SWPRHP – risk assessments in Vanuatu, Tonga and Cook Islands
- January 2018 – an additional \$2.2 million secured
- Programme continues to 2021
- Investigating activities beyond 2021



Pacific Regional Navigation Initiative (PRNI)



Bilateral Arrangements



Bilateral Arrangement
between
Land Information New Zealand
and
Infrastructure Cook Islands
concerning
COOPERATION IN THE FIELD OF HYDROGRAPHY



Bilateral Arrangement
between
Land Information New Zealand
and
The Government of Niue
acting through the Department of Transport,
Ministry of Infrastructure and the Department of Justice, Lands
and Survey, Ministry of Social Services
concerning
COOPERATION IN THE FIELD OF HYDROGRAPHY



Bilateral Arrangement
between
New Zealand Hydrographic Authority known as Land
Information New Zealand
and
Ministry of Works, Transport and Infrastructure
concerning
COOPERATION IN THE FIELD OF HYDROGRAPHY



Bilateral Arrangement
between
Land Information New Zealand
and
Ministry of Infrastructure (Marine and Ports Division)
concerning
COOPERATION IN THE FIELD OF HYDROGRAPHY



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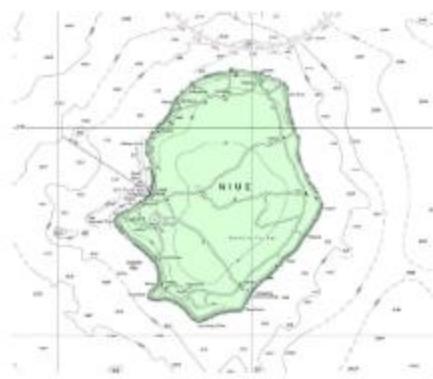


Hydrographic Risk Assessments



PACIFIC REGIONAL NAVIGATION INITIATIVE

NIUE Hydrographic Risk Assessment

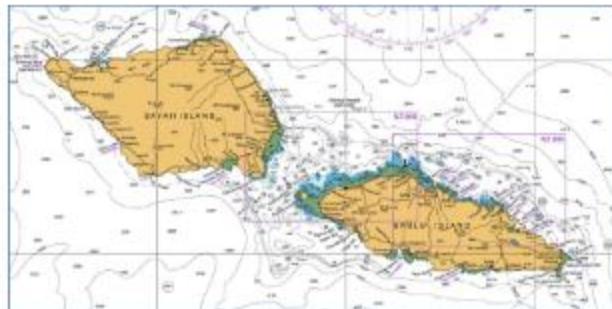


Report Number: RNALZ16002
Version: 1.0
Date: 31 July 2016



PACIFIC REGIONAL NAVIGATION INITIATIVE

SAMOA Hydrographic Risk Assessment



Report Number: RNALZ17001
Version: 1.1
Date: 17 September 2017



PACIFIC REGIONAL NAVIGATION INITIATIVE

TOKELAU Hydrographic Risk Assessment



Report Number: RNALZ17002
Version: V1.0
Date: 15 October 2017

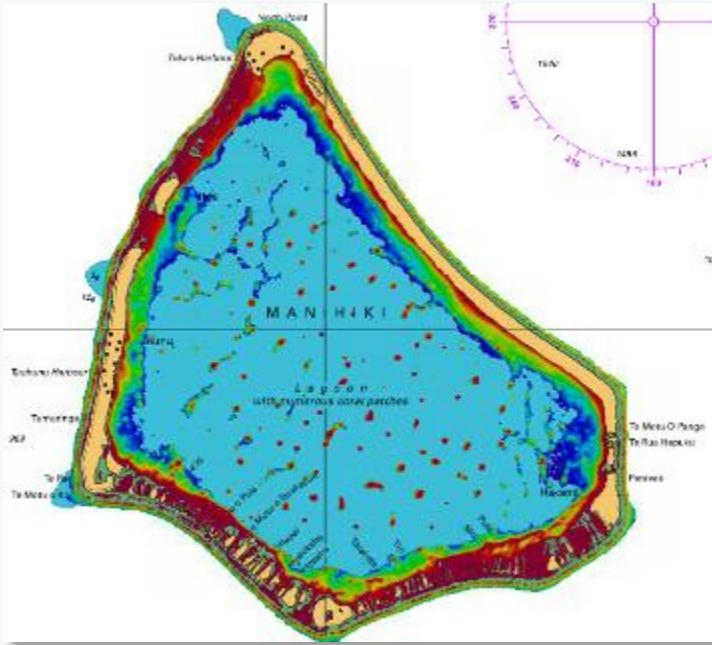


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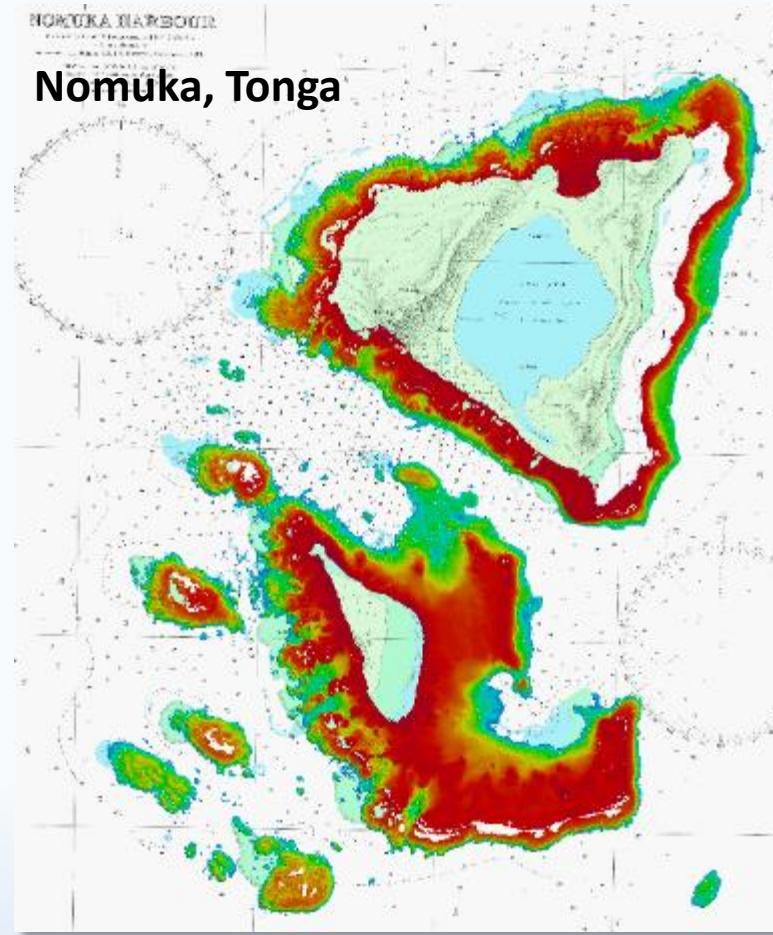


Surveys

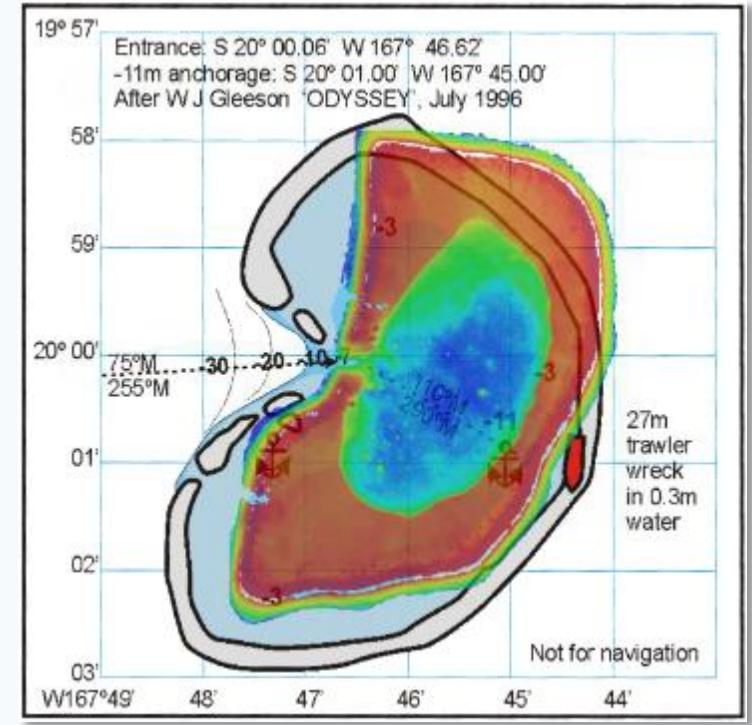
- Satellite Derived Bathymetry (SDB)



Manihiki, Cook Islands



Nomuka, Tonga



Beverideg Reef, Niue

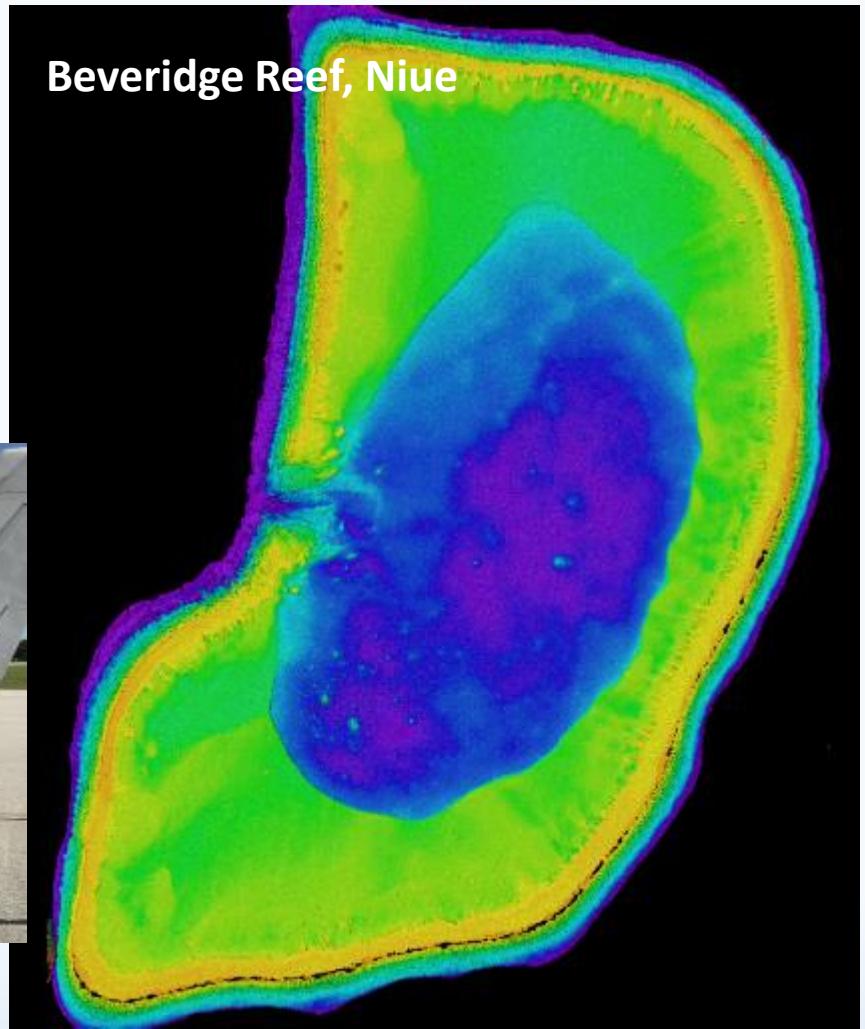
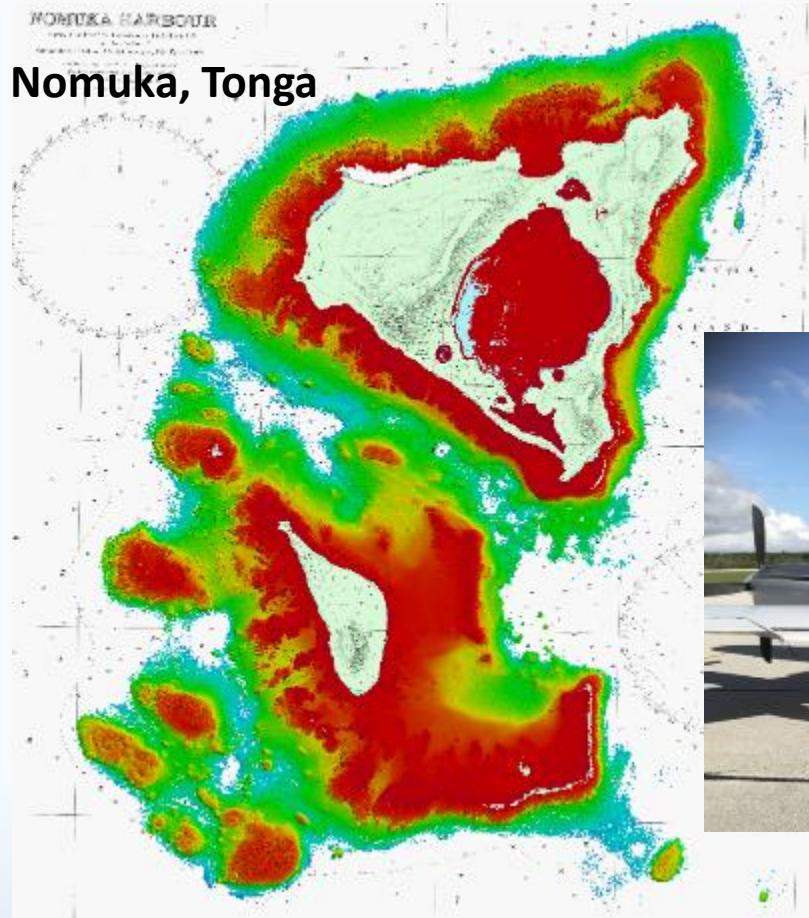


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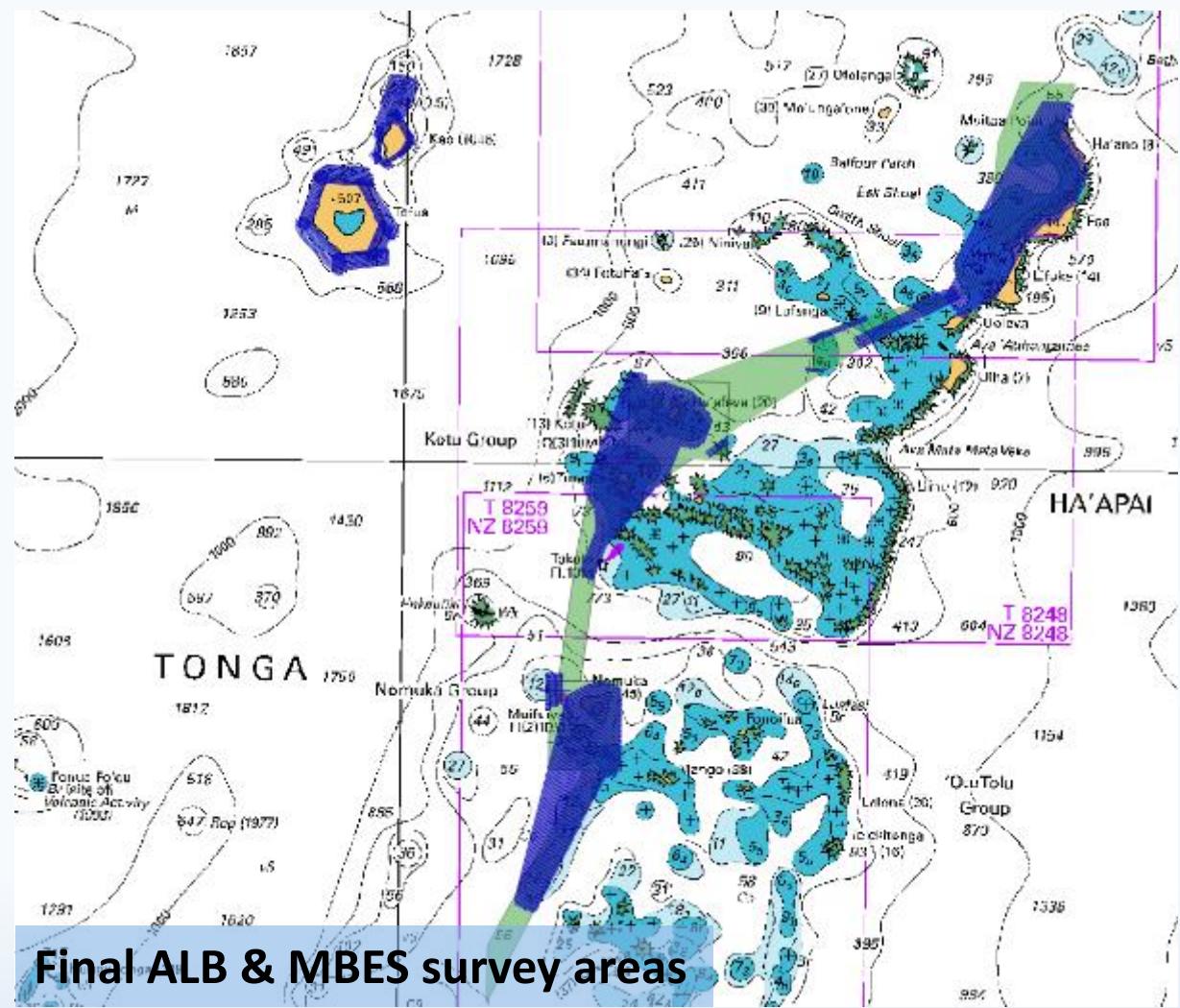
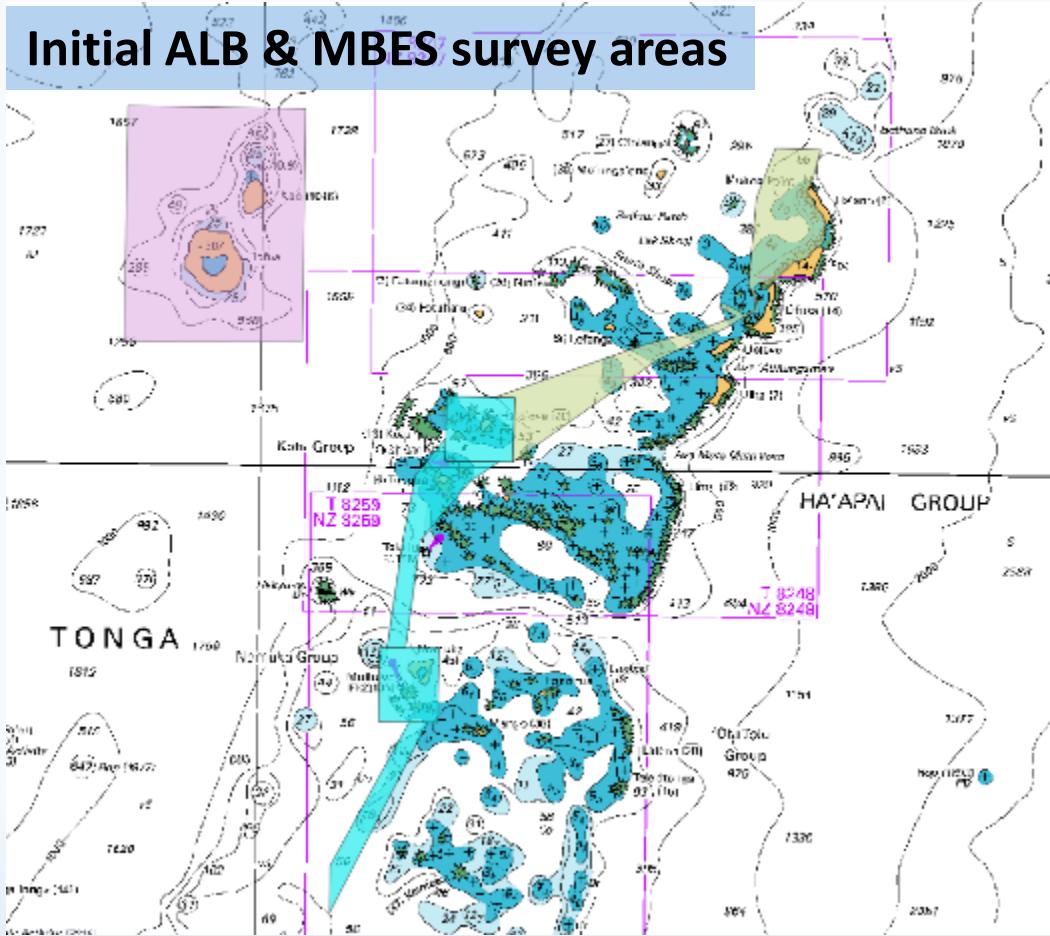
Surveys

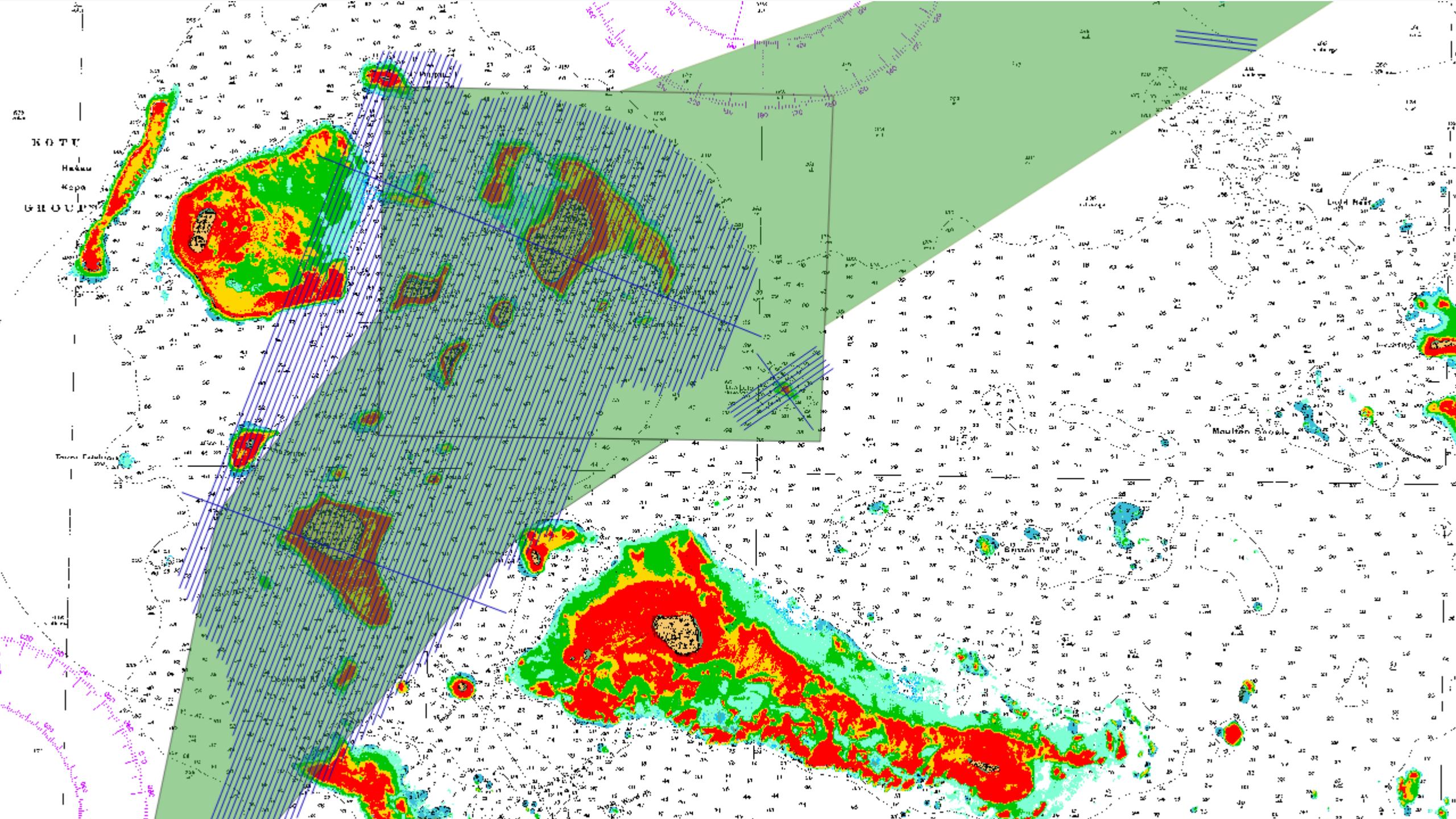
- Airborne Laser Bathymetry (ALB)



Surveys

- Surveys: planning (PRNI)





Surveys

- Multi-Beam Echo Sounder (MBES)



Land Information New Zealand

52 mins ·

The Kingdom of Tonga's Ha'apai archipelago is navigated based on charts from back in 1898. LINZ and New Zealand Ministry of Foreign Affairs and Trade in the Pacific Regional Navigation Initiative are working together to make sure these islands can be safely navigated by cruise and cargo ships. Sosefo Kaitapu - a Graduate Surveyor from Tonga's Ministry of Lands and Natural Resources - and Jeremy McCaffrey from iXblue have recently finished the Tides and Geodetics phase of the project. It's on track to support an upcoming hydrographic survey in the area and help strengthen Tonga's Geodetic Network.



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Like

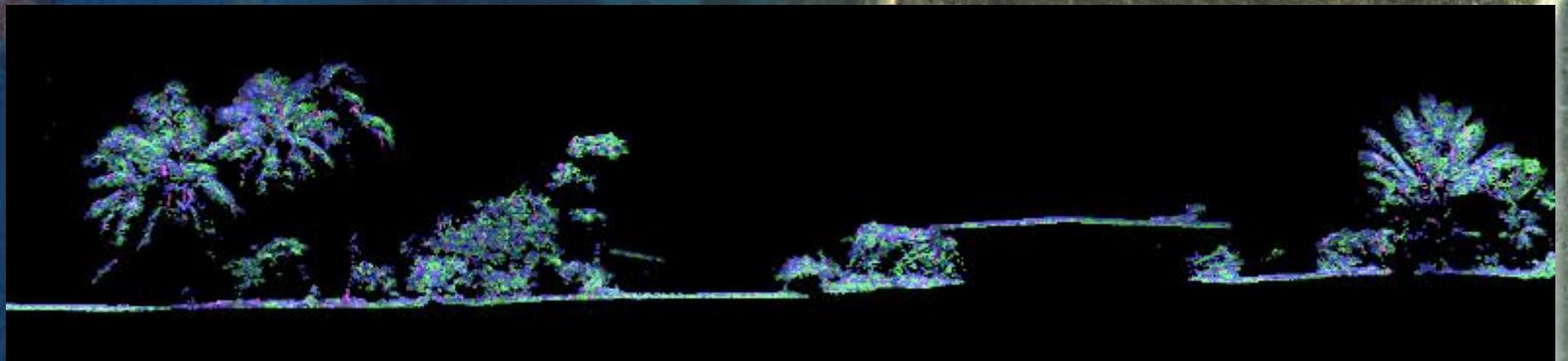
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More than bathymetry



Future surveys

- Samoa MBES
 - Asau
 - Matautu Bay
 - Salelologa
 - Mulifanua
 - Vailele Bay
 - Saluafata Bay
 - Fagaloa Bay
 - Aleipata
 - Safata Bay
 - Siumu Bay

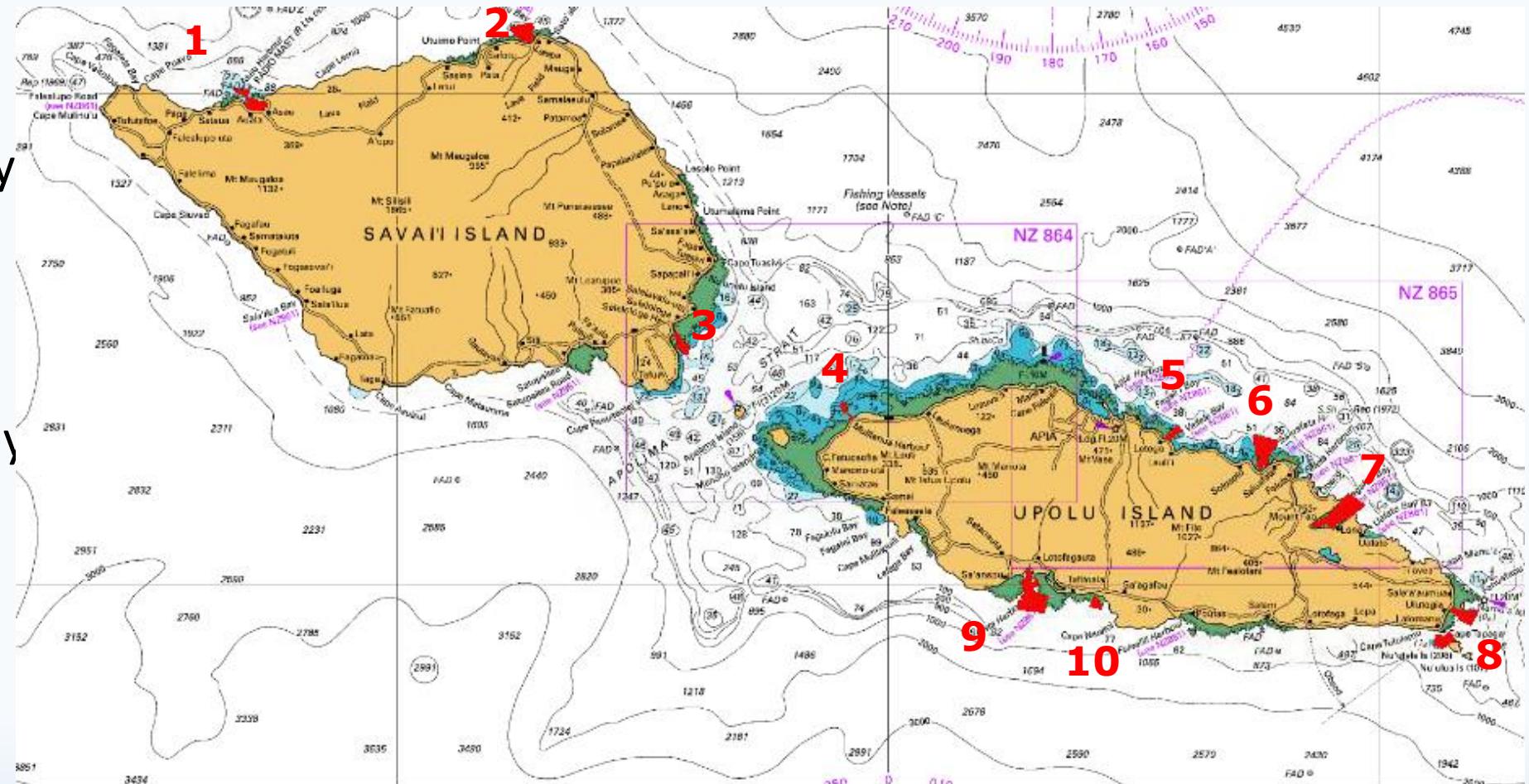
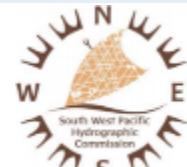


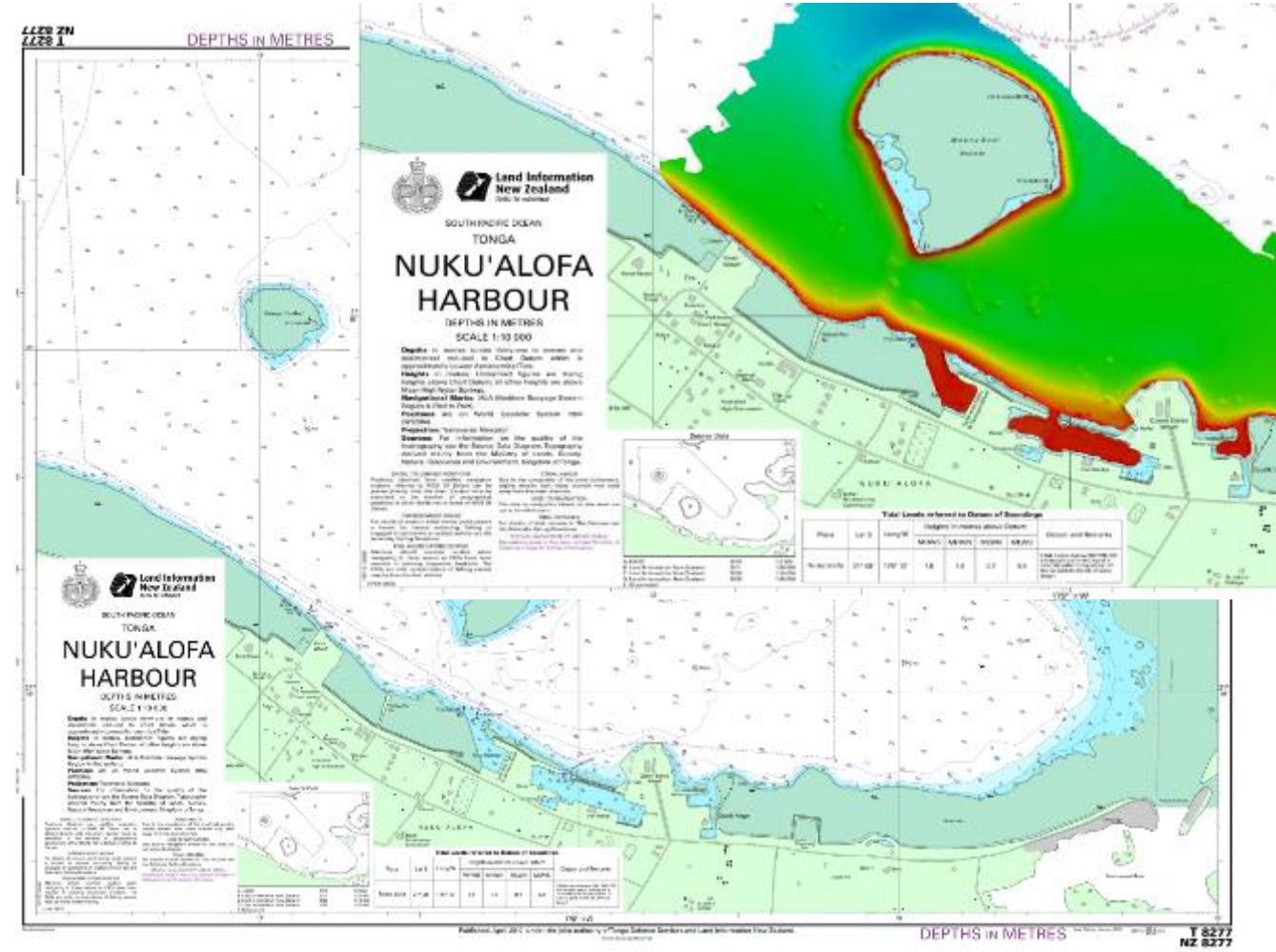
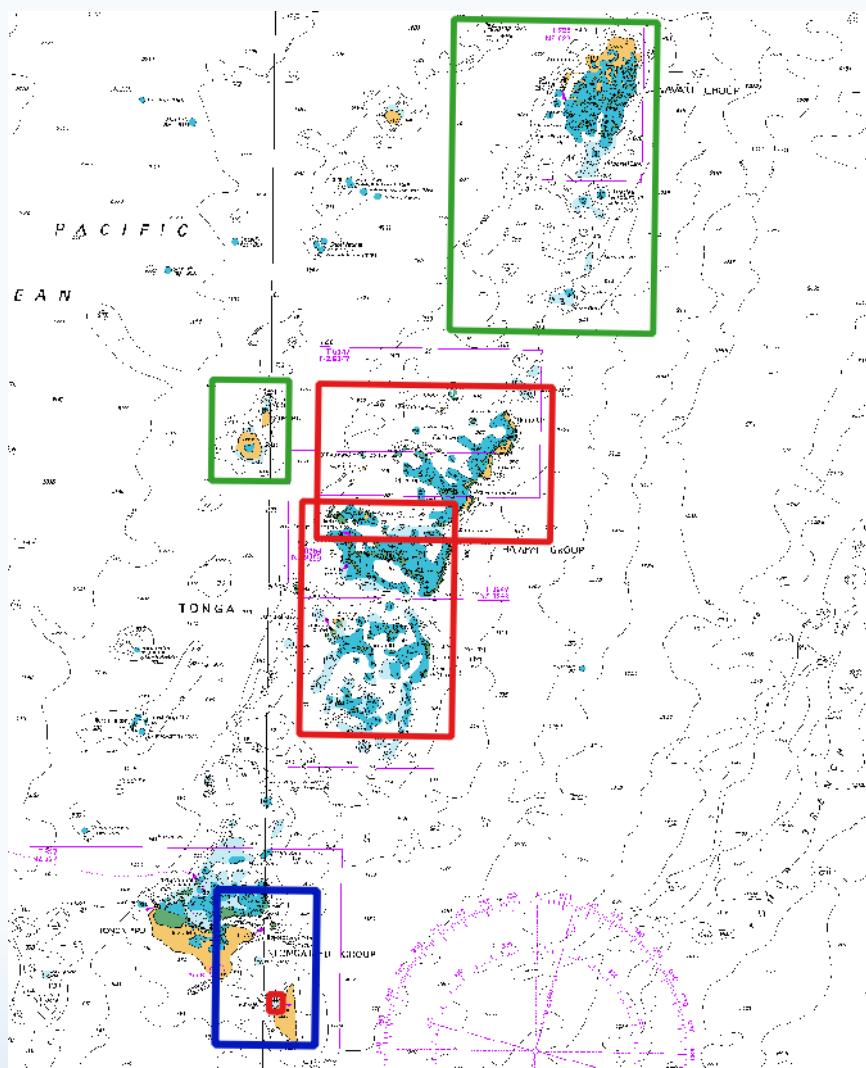
Chart publication schedule

Nation	Paper Charts		ENCs	
	New Edition	New Chart	New Edition	New Chart
Cook Islands	1 (Jun 18) 2 (Feb 19)	-	19 (Jun 18) 3 (Nov 18) 6 (Jan 19)	-
Niue	-	1 (early 2020)	2 (May 18)	3 (early 2020)
Samoa	4 (Feb 18) 2 (Jun 2021)	4 (Jun 2021)*	2 (Jun 2021)	7 (Jun 2021)*
Tokelau	1 (Mar 19)	-	4 (Mar 19)	-
Tonga	3 (Jan 19) 2 (Apr 19) 1 (May 19) 2 (Jun 2021)	5 (Jun 2020)* 1 (Jun 2021)	1 (Nov 18) 4 (Dec 18) 1 (April 19) 2 (Jun 2021)	6 (Jun 2020)* 2 (Jun 2021)
INT Chart	-	1 (Jul 19)	-	1 (Jun 19)

* New Charts will replace current fathoms/non-WGS84 charts, enabling production of large scale ENC for the first time.



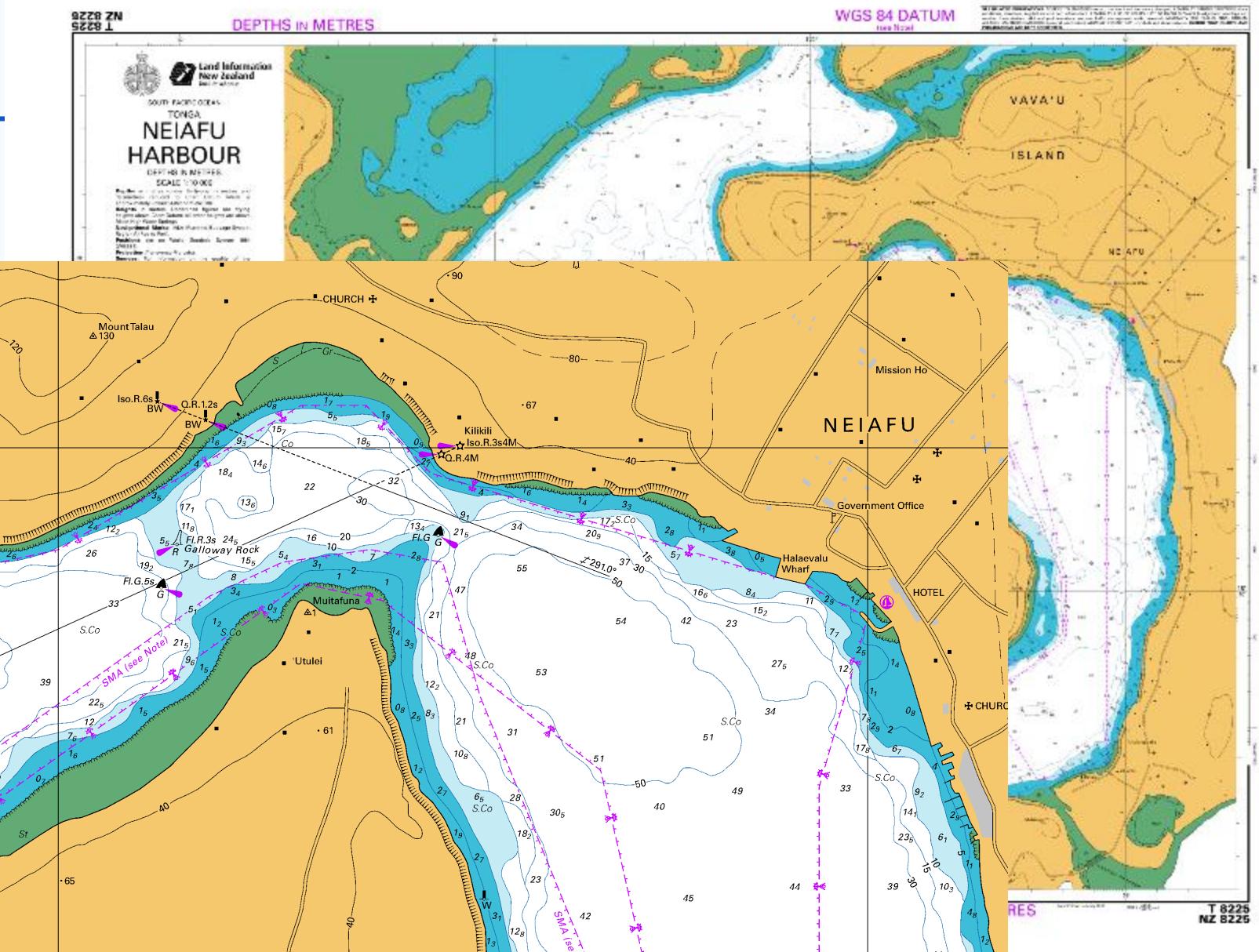
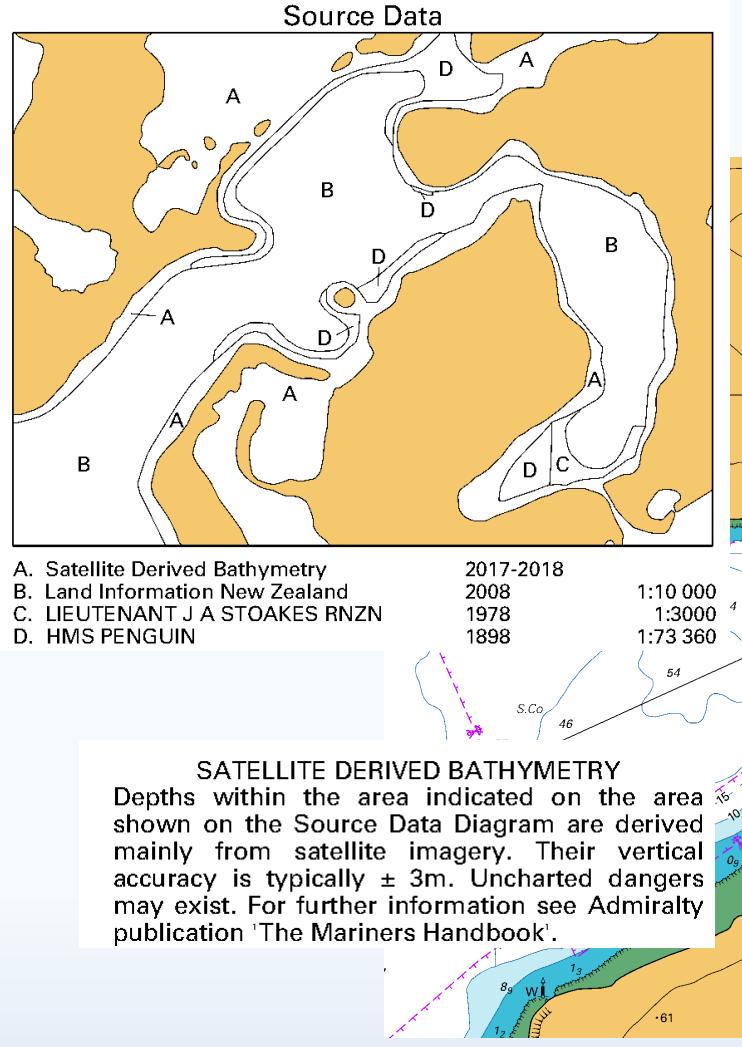
Charting



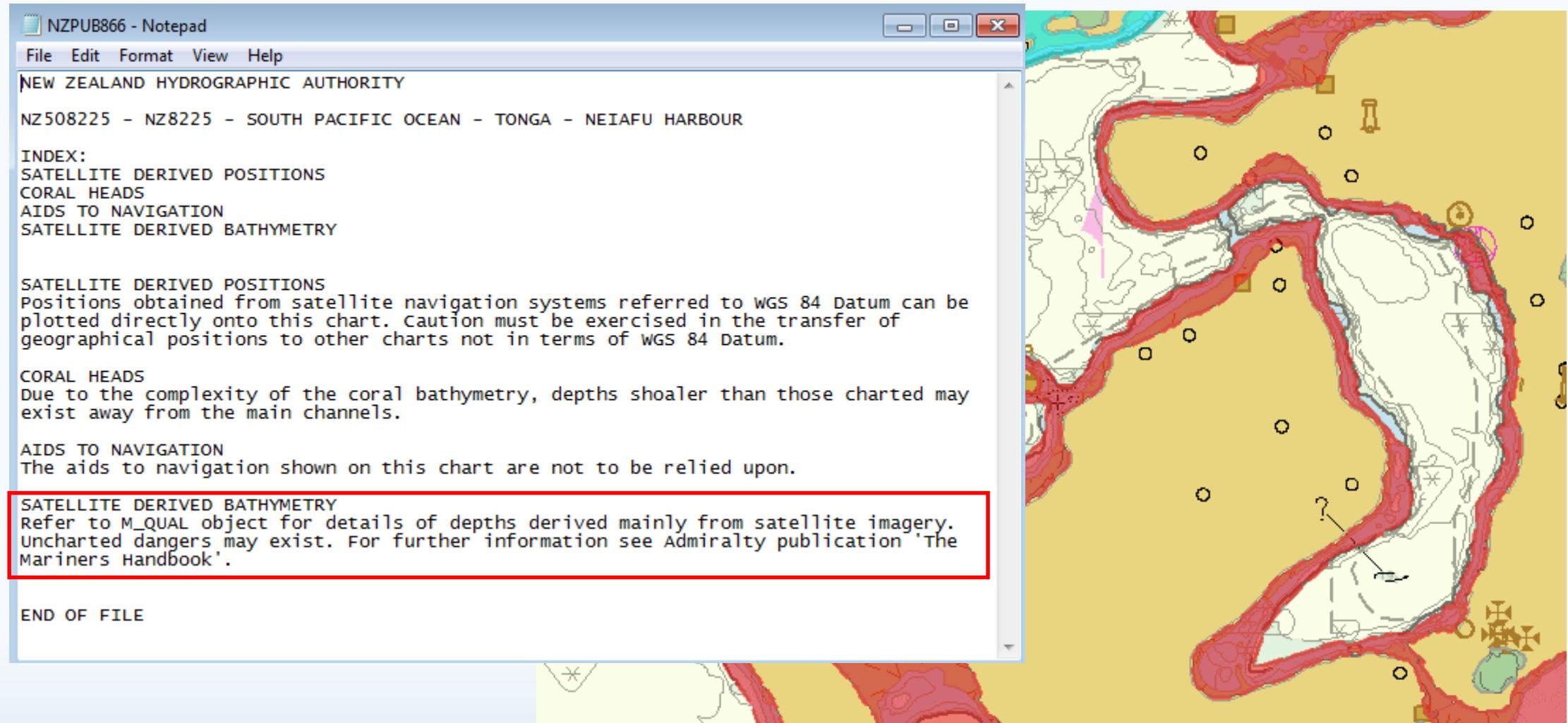
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Charting



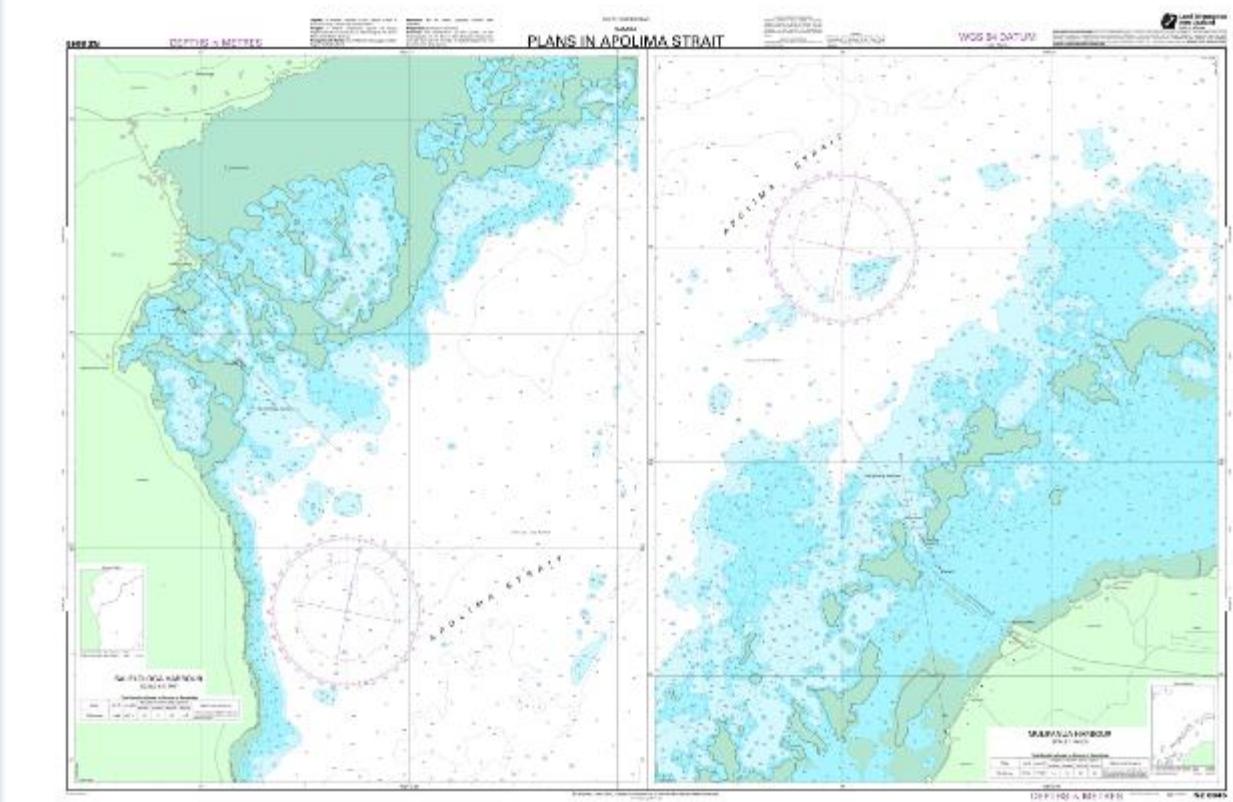
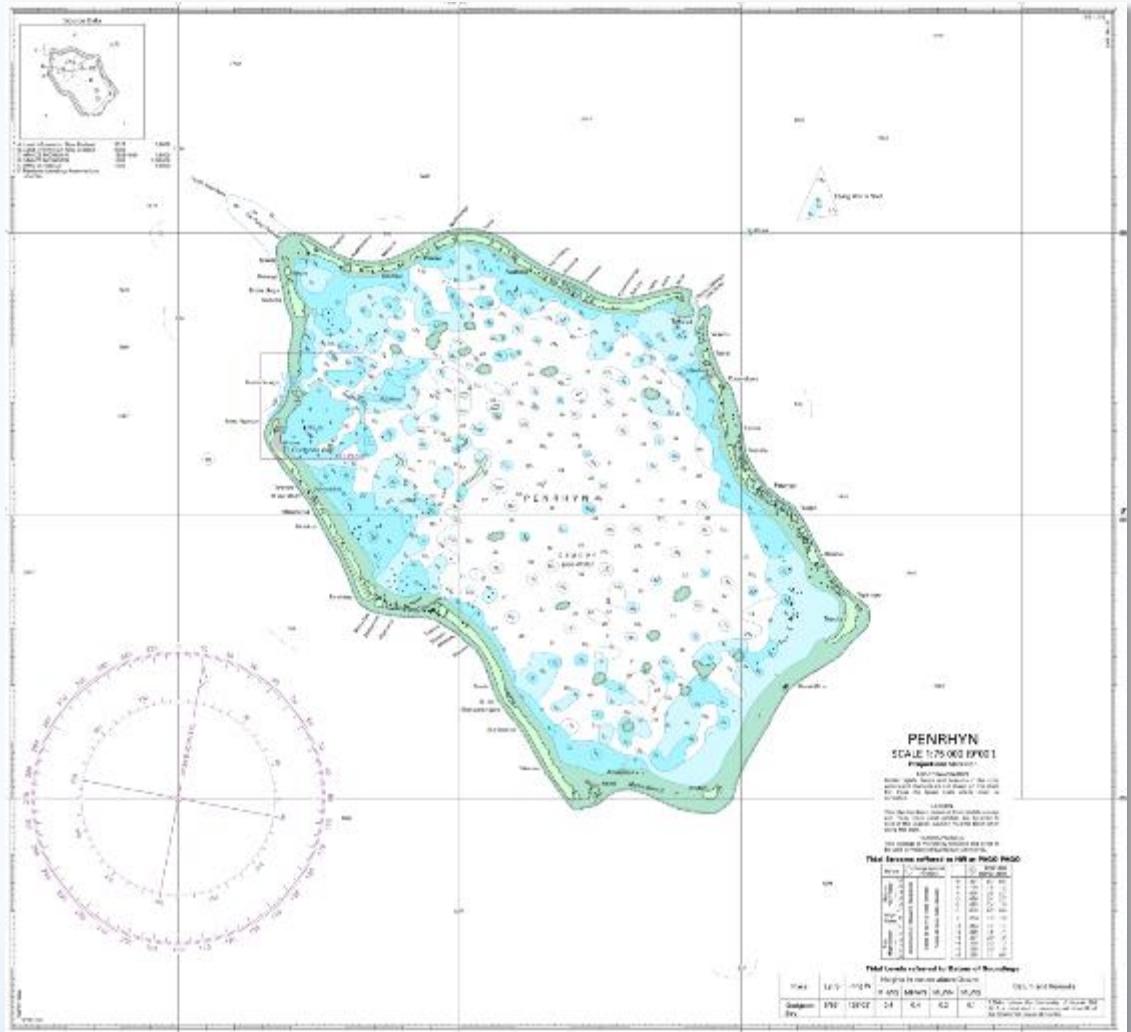
Charting



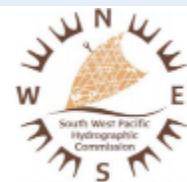
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Charting



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Charting

- To-date, **35** ENCs & **8** paper charts published incorporating new data (SDB, ALB and MBES) for the Cook Islands, Niue, Samoa, Tokelau and Tonga
- In total, **63** ENCs & **30** paper charts will be published
- Including **19** new ENCs & **12** new paper charts, replacing current fathoms charts



Fakaue lahi

Thank you

