

Aspirations for coverage and quality of ENC in SW Pacific .

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LIKE NO PLACE ON EARTH

The Fleet

UK registered vessels

2000-3000 Passengers

80-110,000 GRT

260-290m

8.5m Draft



Open Data Questions

- What is the view of Open Data?

The principle appears sound – circumstances of the case may ultimately be important.

- How can Industry contribute to the Open Data value proposition?

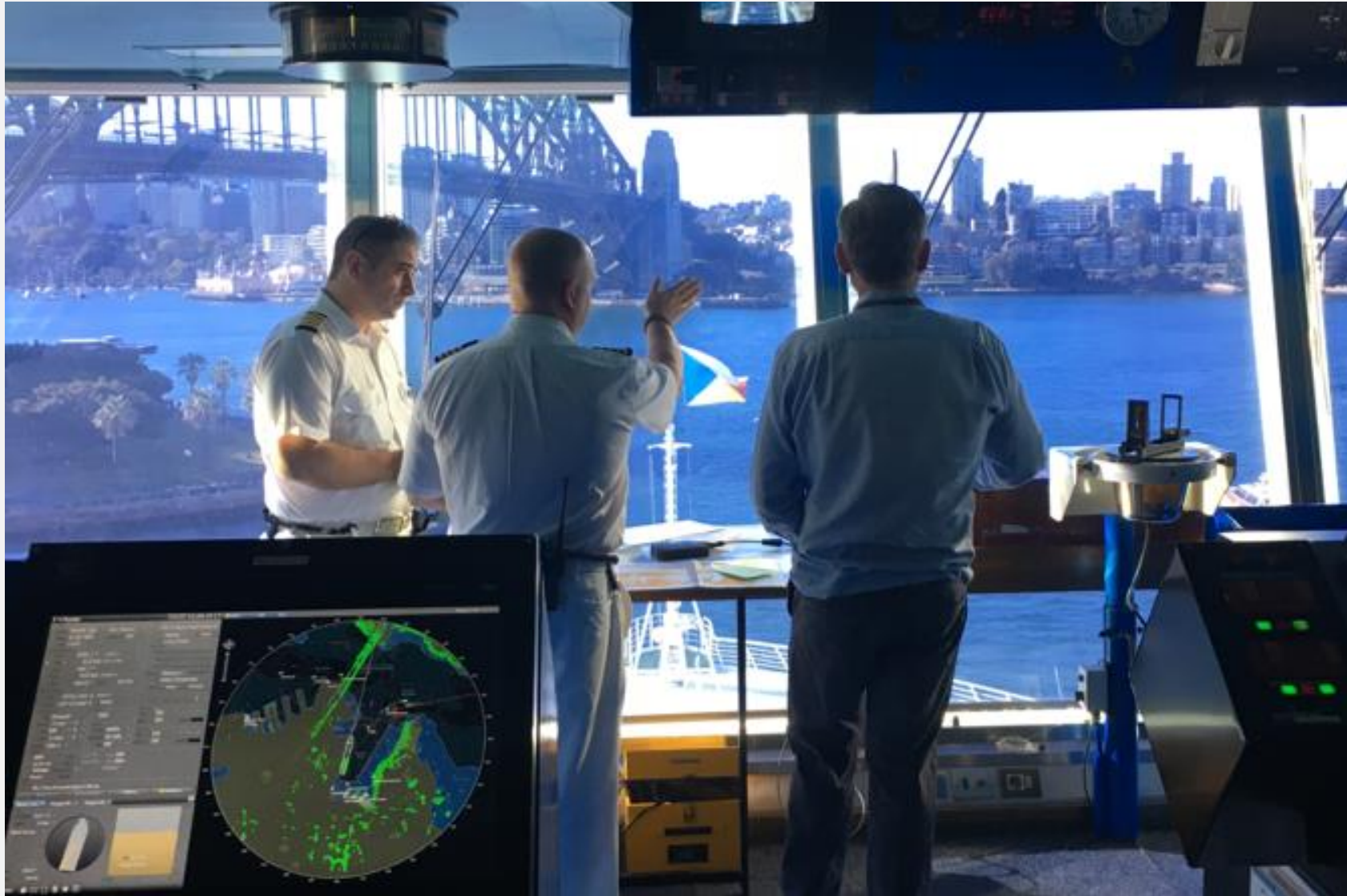
Any privately commissioned surveys – prior to incorporation on an official chart.

- What does Open Data enable?

Hydrographic data to be utilised for multiple purposes & sometimes less barriers to creating end product.



IHO recommended scale port ENC important to maximise benefits of ECDIS



IHO Recommended ENC Scales

Navigational Purpose	Name	Scale Range
1	Overview	<1:1 499 999
2	General	1:350 000 – 1:1 499 999
3	Coastal	1:90 000 – 1:349 999
4	Approach	1:22 000 – 1:89 999
5	Harbour	1:4 000 – 1:21 999
6	Berthing	> 1:4 000

Ships are getting bigger yet the ports remain the same size.

IHO recommended scales are now a crucial piece of infrastructure in order to accommodate safe navigation.

Port scale ENC is often poorly understood within Port organisations (Worldwide)

Selectable Range	Standard scale (rounded)
200 NM	1:3 000 000
96 NM	1:1 500 000
48 NM	1:700 000
24NM	1:350 000
12 NM	1:180 000
6 NM	1:90 000
3 NM	1:45 000
1.5 NM	1:22 000
0.75NM	1:12 000
0.5 NM	1:8 000
0.25 NM	1:4 000

Large vessels also rely on radar or other technologies to berth in a precise position and this requires further consideration of the ENC scale in relation to the radar range in use.

Port Vila Berthing ENC

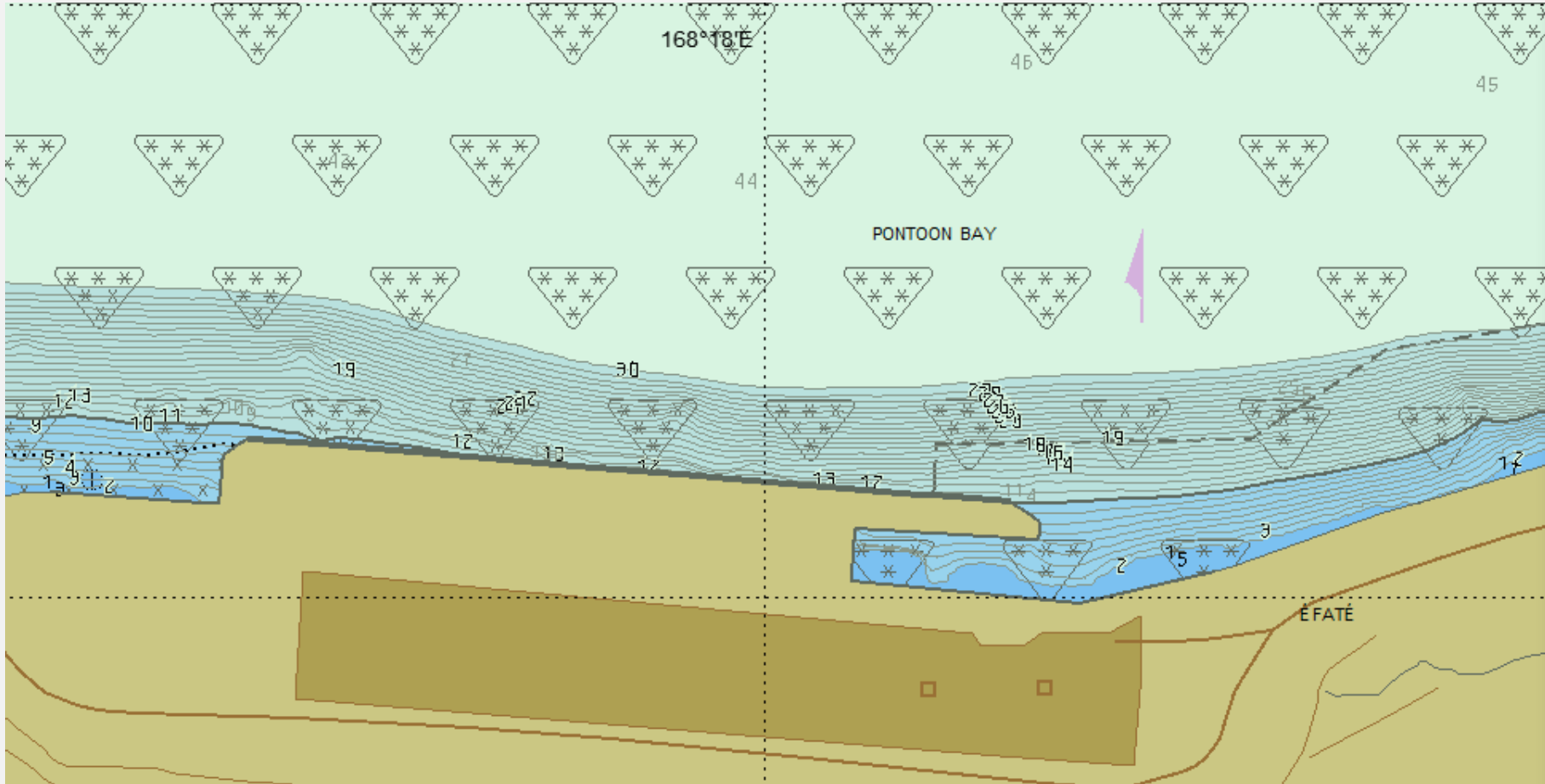


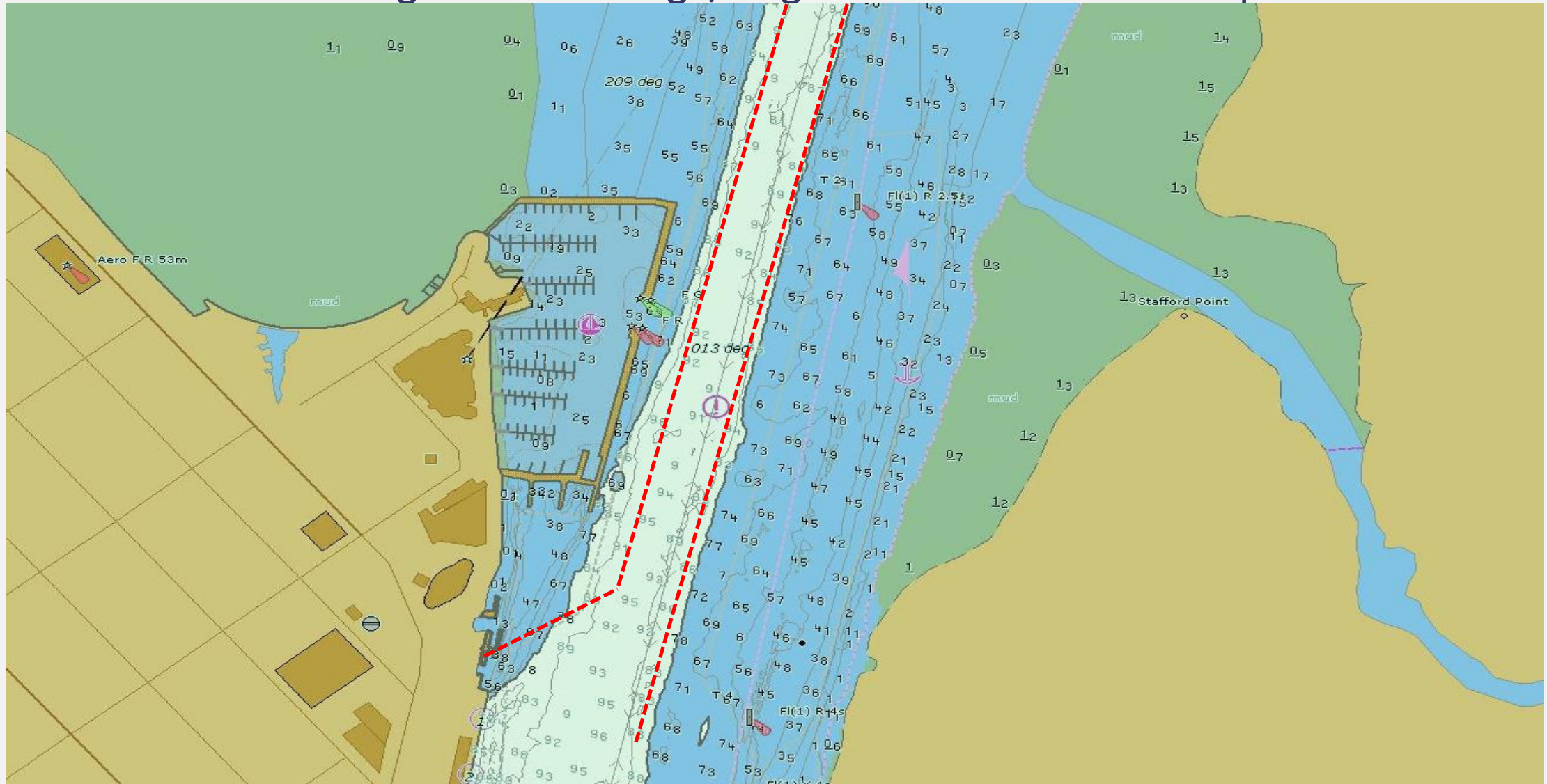
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Chart title	
Type	S63
Projection	Platte Carre
Chart datum	WGS 84
Depth units	Metres
Chart scale	1:4000
View scale	1:1338

- **Band 6 ENC**
- **Scale 1:4000**

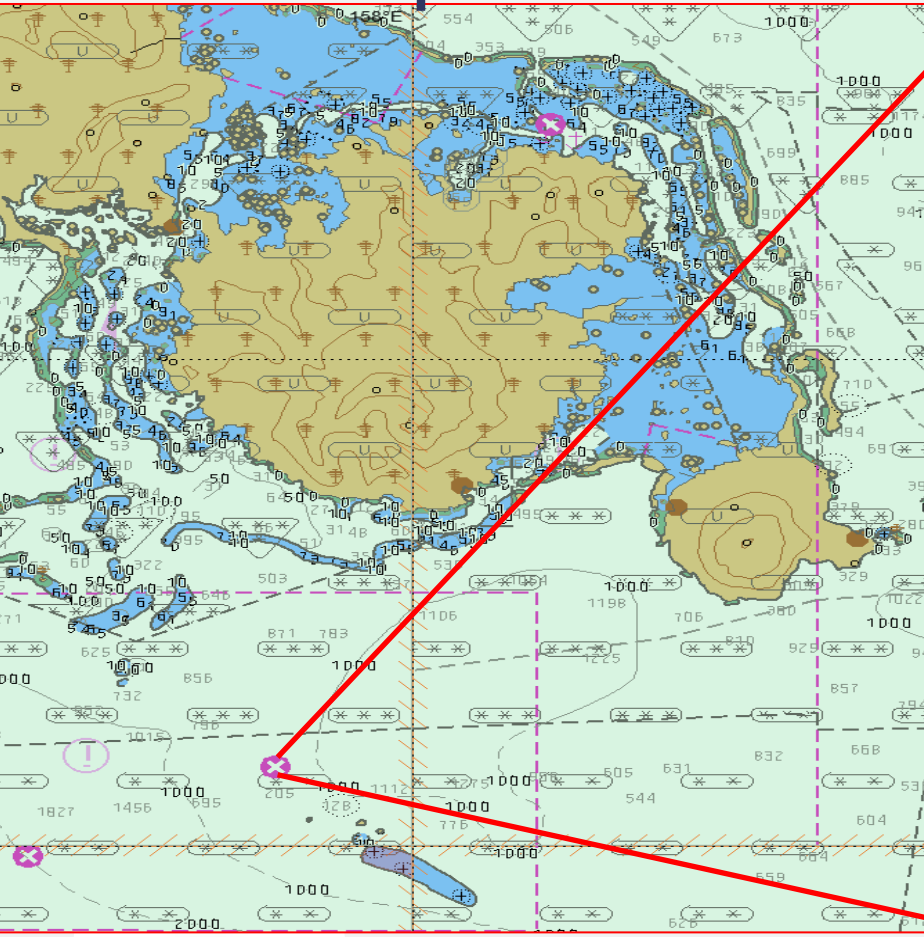


HD ENC even better !

Actual navigable water & “go/no go” areas within confined ports



Importance of navigational clarity in remote areas

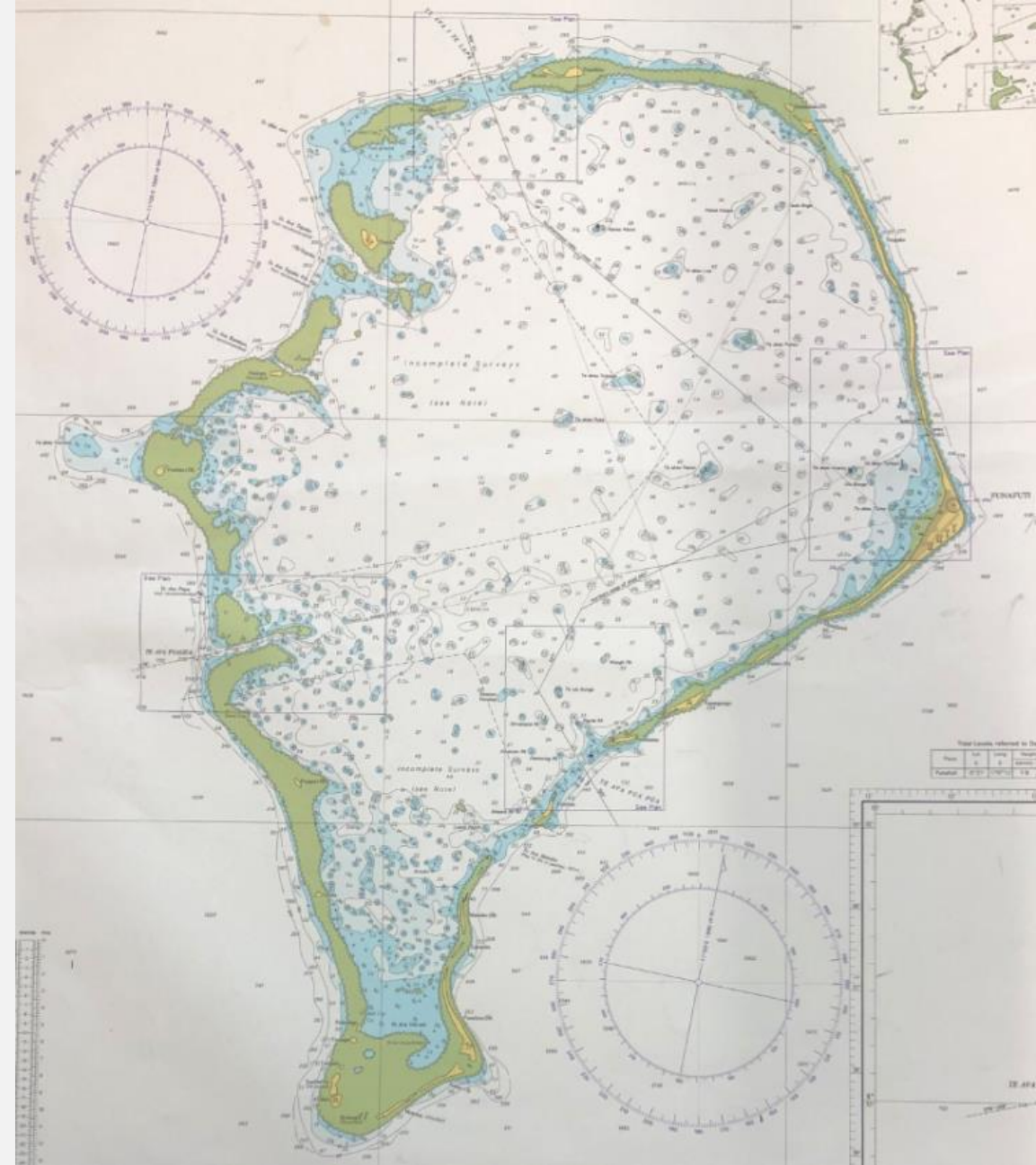


Submarine volcano - context of danger to navigation ?

VOLCANIC ACTIVITY
Volcanic and major earthquake activity may have resulted in changes to charted depths and an uplifting of reefs throughout the area.

Aspirational destinations South West Pacific requiring improved ENC coverage

- Rotuma (Fiji)
- Funafuti (Tuvalu)
- Happai Group (Tonga)
- Torres Islands (Vanuatu)
- Bouganville (PNG)
- Savaii (Samoa)
- Yasawa I Ra Ra (Fiji)
- Tuvanipupu (Solomon Islands)



Aspirational destinations Indonesia requiring improved ENC coverage

- Kei Islands (Pasir Panjang)
- Lease Islands (Pulau Saparua)
- Banda Islands (Run and/or Ai)
- Morotai (around Sopi)
- Ternate & Tidore
- Raja Ampat



THANK YOU

