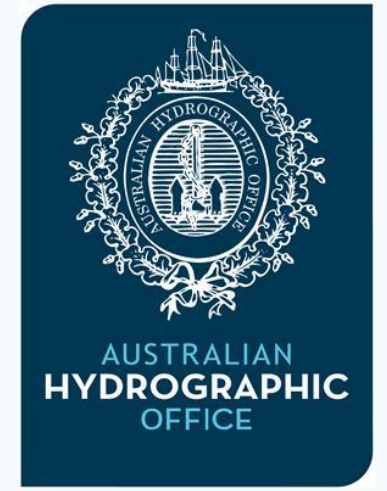


# 19<sup>th</sup> Meeting of the North Indian Ocean Hydrographic Commission

National Report by

**AUSTRALIA**



International Hydrographic Organization  
*Organisation Hydrographique Internationale*

North Indian Ocean Hydrographic Commission



# Australian Hydrographic Office

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National role (Office) sits within Australian Geospatial Intelligence Organisation

Navy survey ships and training of survey personnel remains with Navy

Legislation changes October 2017 – AHO vice AHS



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# Hydroscheme Industry Partnership Program

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Defence White Paper 2016 indicates the future of Australia's hydrographic surveying capabilities will be *'an efficient combination of commercial and military hydrographic and oceanographic surveying capabilities'*

Defence project known as SEA 2400 comprises 2 capabilities:

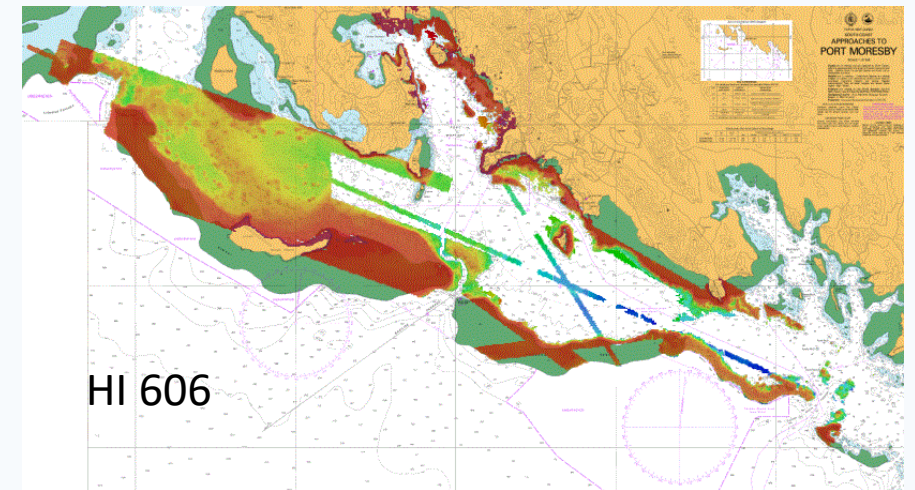
1. focussed on delivery of ship and associated equipment (Navy responsibility),
2. a commercial hydrographic survey program delivered by industry supporting the National Survey Function (AHO responsibility) - HIPP



# Progress on surveys, charting and publications

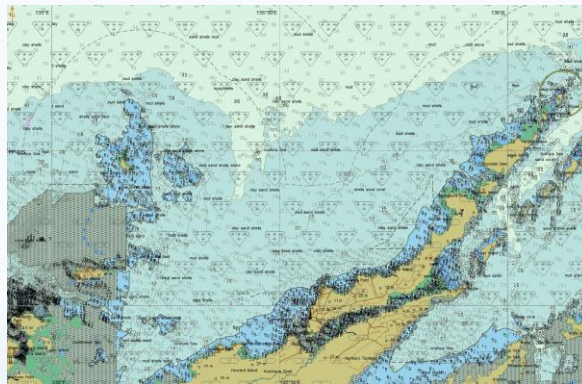
## Surveys:

- LADS – multiple Surveys in Great Barrier Reef; HI612 in PNG
- Hydrographic Ships – HI 606 Port Moresby
- Survey Motor Launches – HI610 Torres Strait; HI615 Timor Sea; HI611 north Western Australia
- 173 Surveys received in 2018

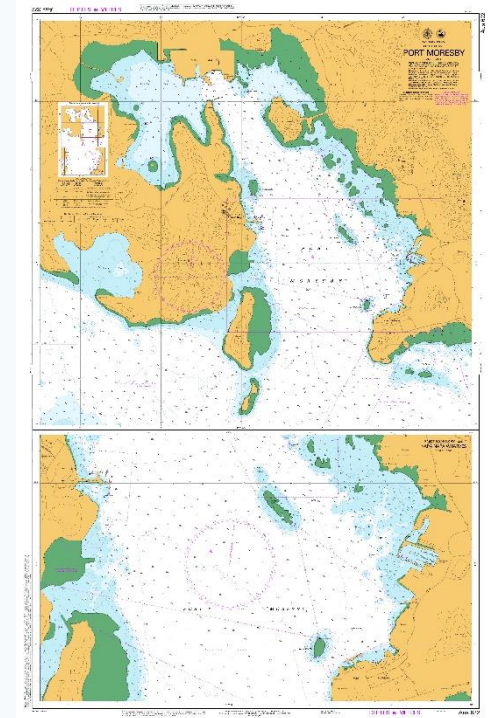


# Progress on surveys, charting and publications

- 262 New Edition ENC, 38 New Cell ENC
- 4 New Edition and 5 New Paper Charts
- 1063 Maritime Safety ENC Updates



AU412135



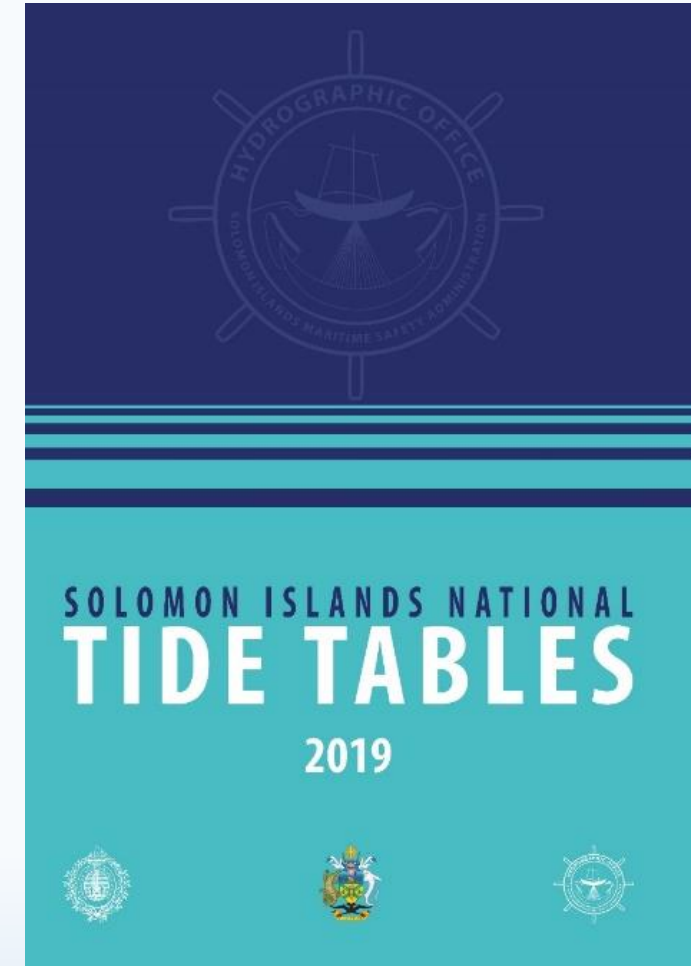
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# Progress on surveys, charting and publications

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- Publications:
  - Australian National Tides Tables 2019
  - Solomon Islands National Tide Tables 2019
  - AusTides 2019





# Capacity Building

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Class of 2018



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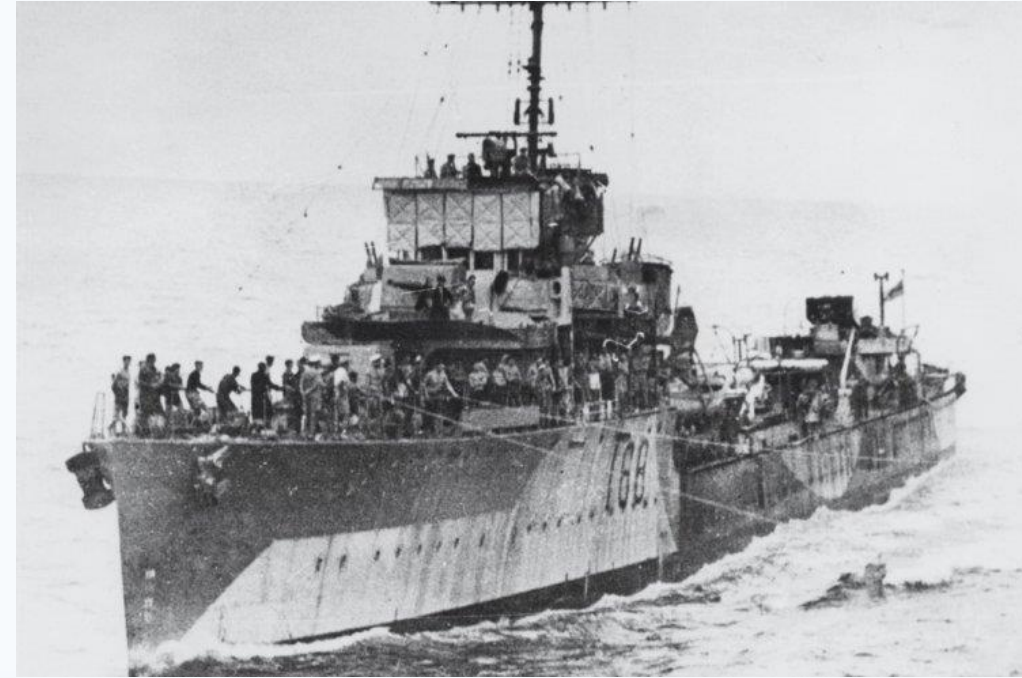
North Indian Ocean Hydrographic Commission



# Search for Vampire (I)

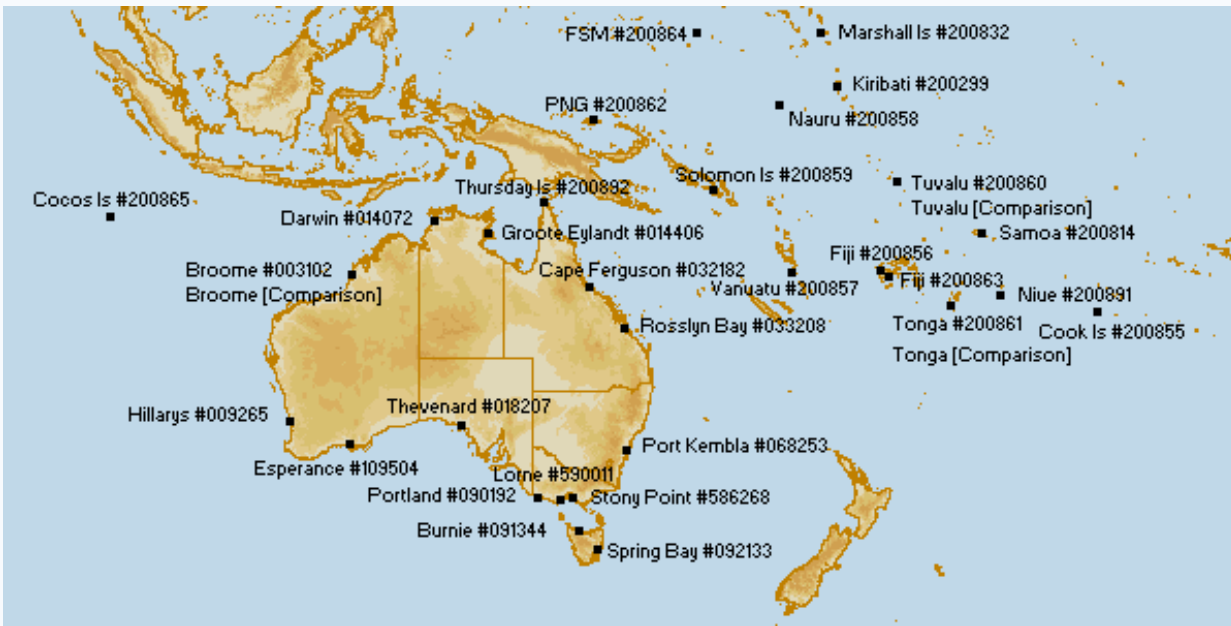
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- Joint operation between Australian Navy and Sri Lankan Navy
- Despite searching 150 square nautical miles off the coast of Sri Lanka, HMA Ships *Leeuwin* and *Diamantina* were unable to confirm location of HMAS *Vampire* (I).
- It is now believed that *Vampire* (I)'s final resting place is in a deep ocean trench, at a depth of roughly 1.5 kilometres.

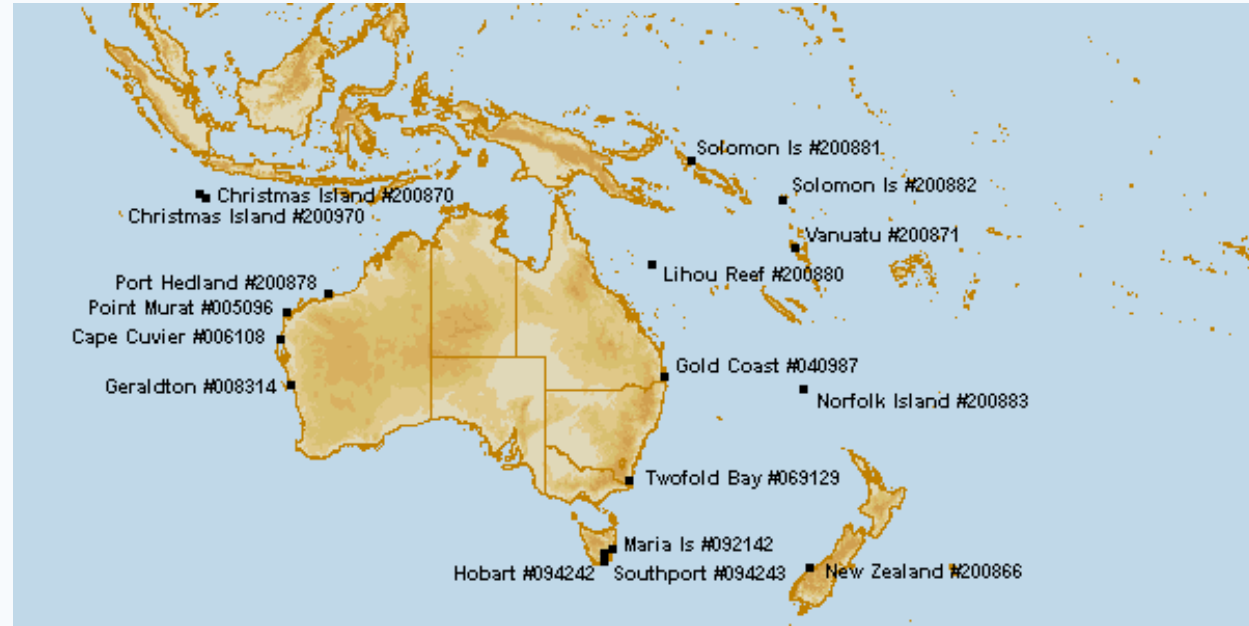




# Oceanographic activities



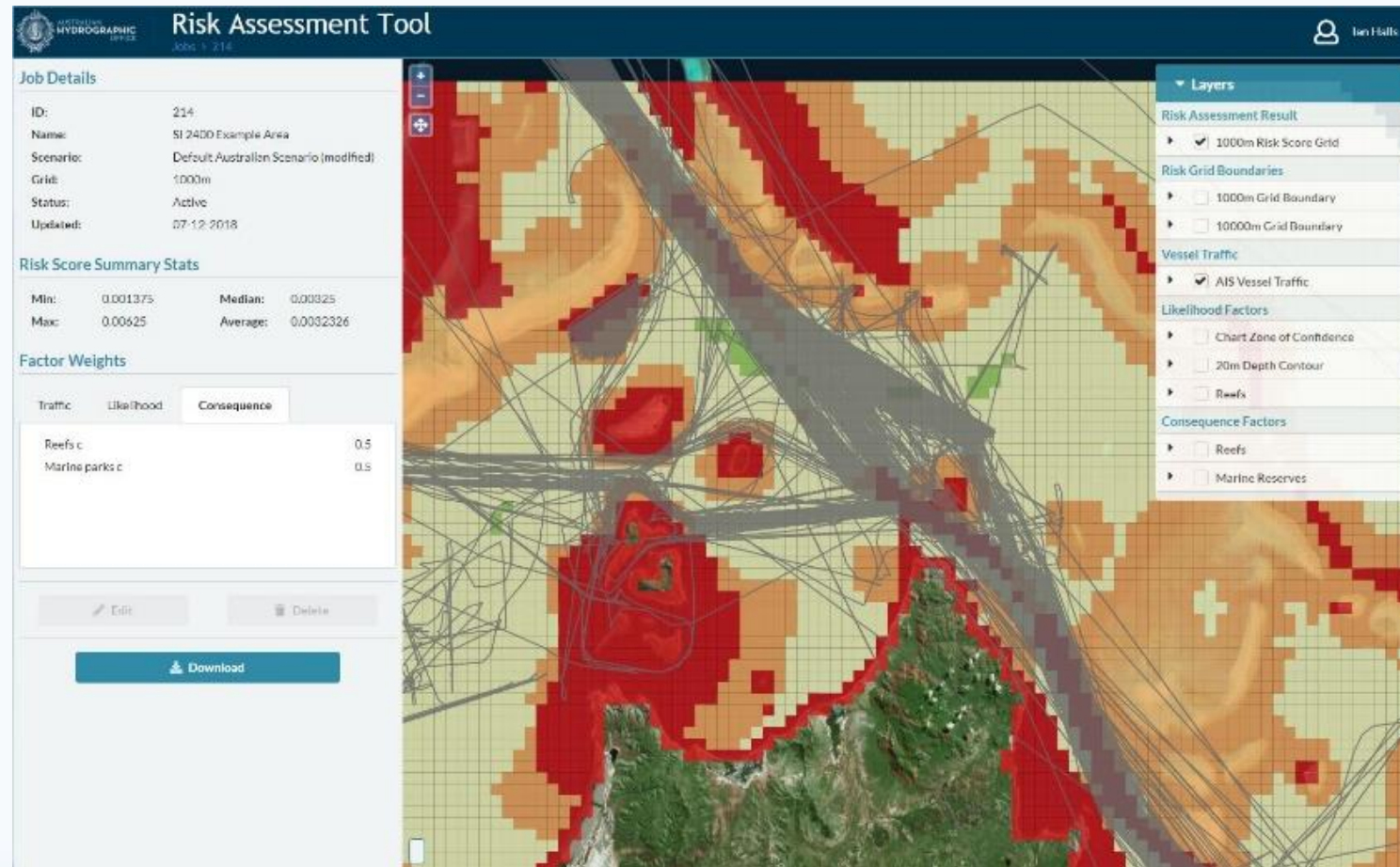
**Permanent tide gauge network operated by the Bureau of Meteorology, including the Australian Baseline Sea Level Monitoring Array (16 sites) and Pacific Sea Level Monitoring Project (14 sites)**



**Additional ATWS radar gauges (17 sites) that used in conjunction with the permanent tide gauge network for monitoring tsunamis in the Australian region**



# Risk Assessment



AHO is developing a Survey Risk Assessment Tool



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# Conclusion

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- Focus on establishment of HIPP
  - Improving office systems and refining processes for HIPP
- Chair of SWPHC - continued engagement with South West Pacific countries.

