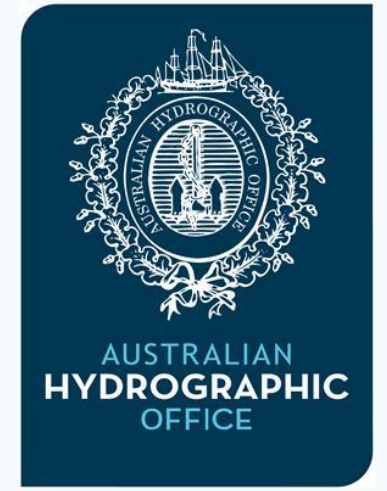


19th Meeting of the North Indian Ocean Hydrographic Commission

National Report by

AUSTRALIA



International Hydrographic Organization
Organisation Hydrographique Internationale

North Indian Ocean Hydrographic Commission



Australian Hydrographic Office

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

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:

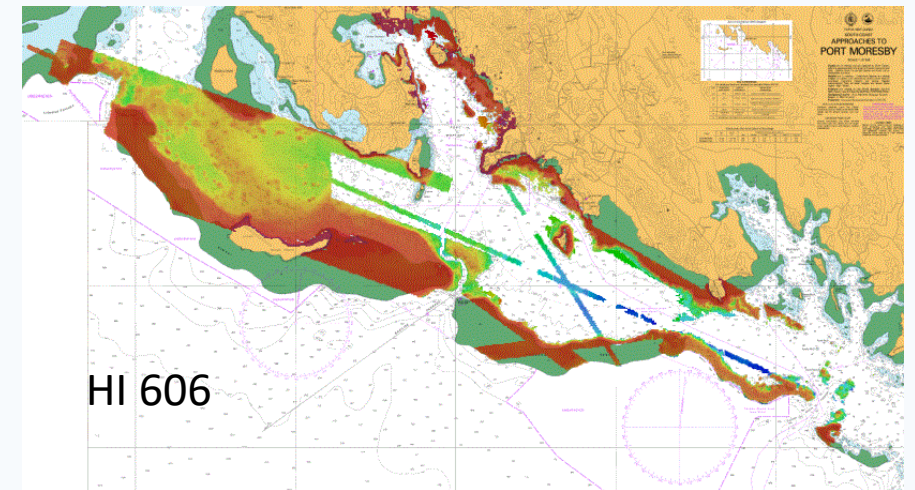
1. focussed on delivery of ship and associated equipment (Navy responsibility),
2. a commercial hydrographic survey program delivered by industry supporting the National Survey Function (AHO responsibility) - HIPP



Progress on surveys, charting and publications

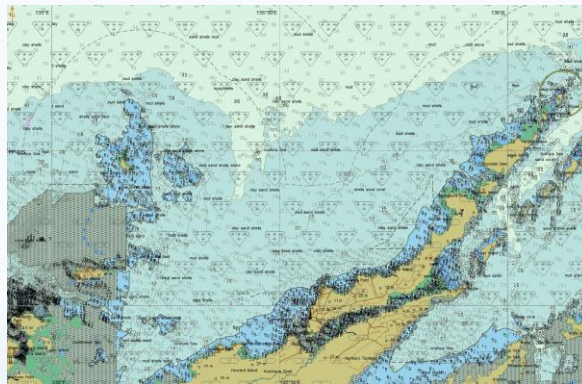
Surveys:

- 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

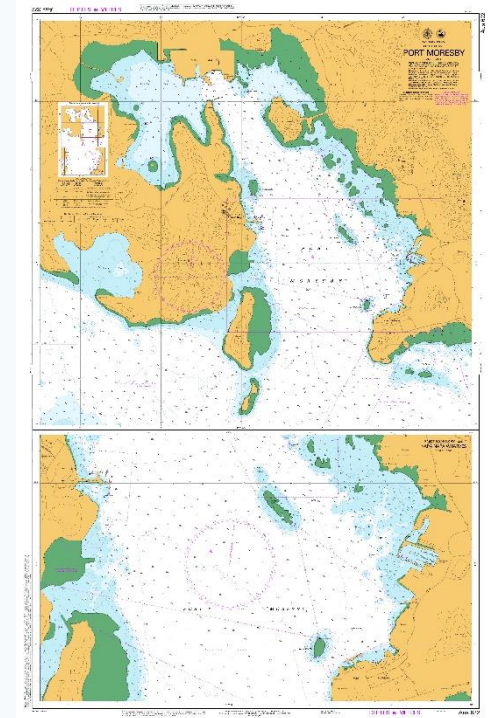


Progress on surveys, charting and publications

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



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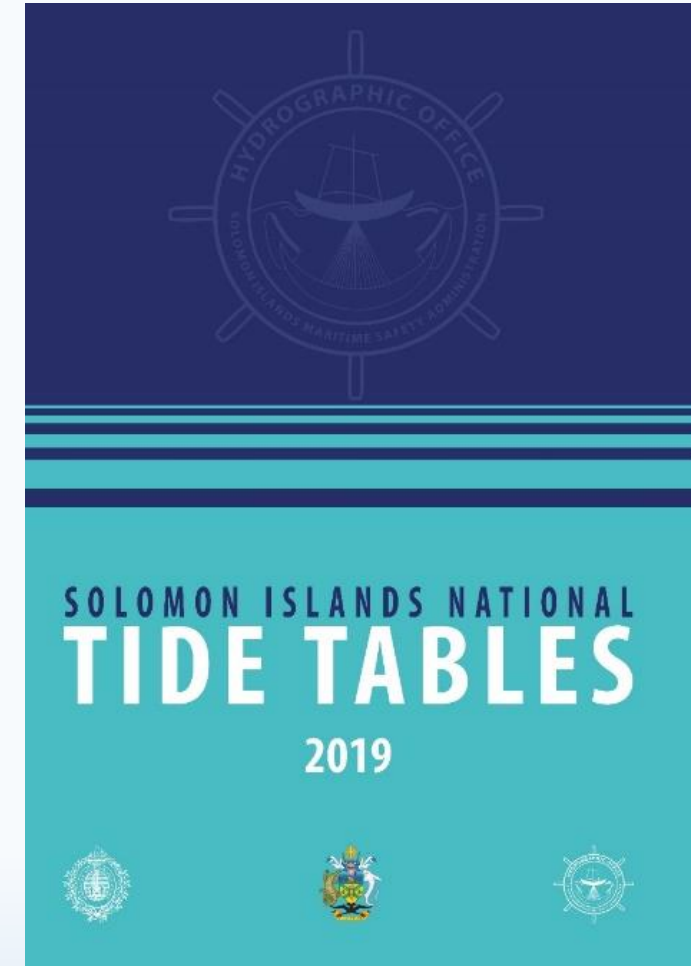


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Progress on surveys, charting and publications

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



Capacity Building



Class of 2018



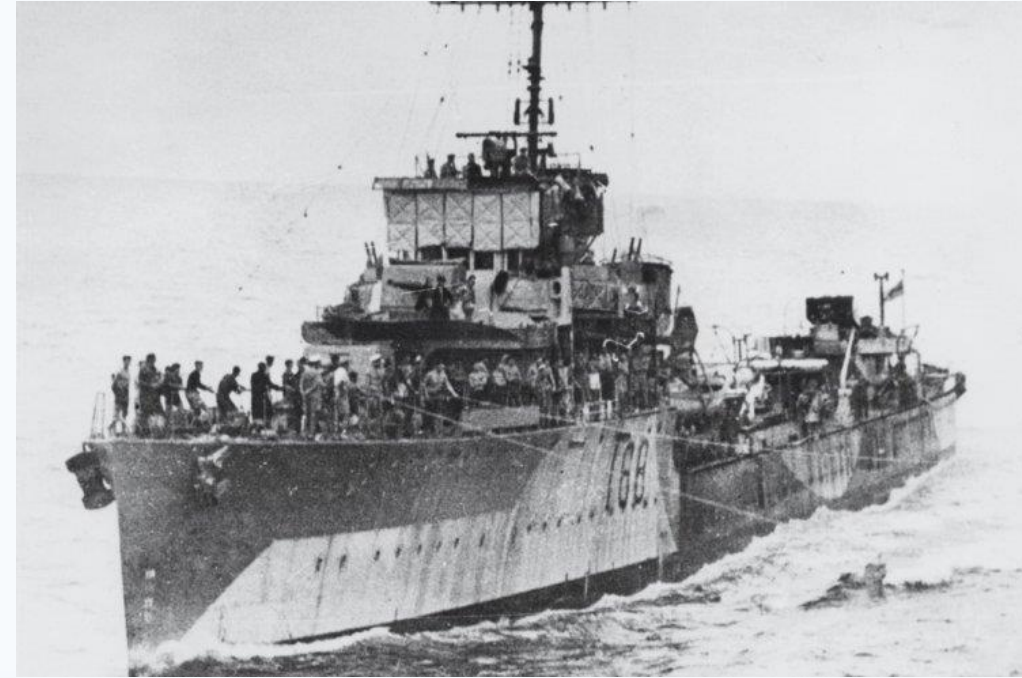
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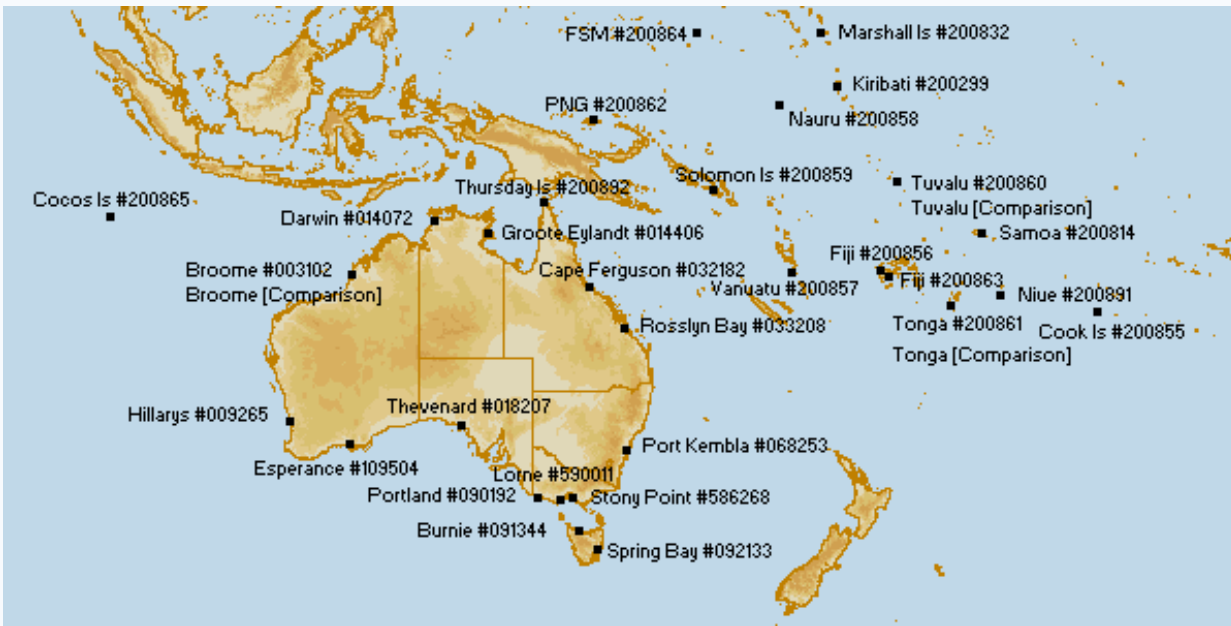


Search for Vampire (I)

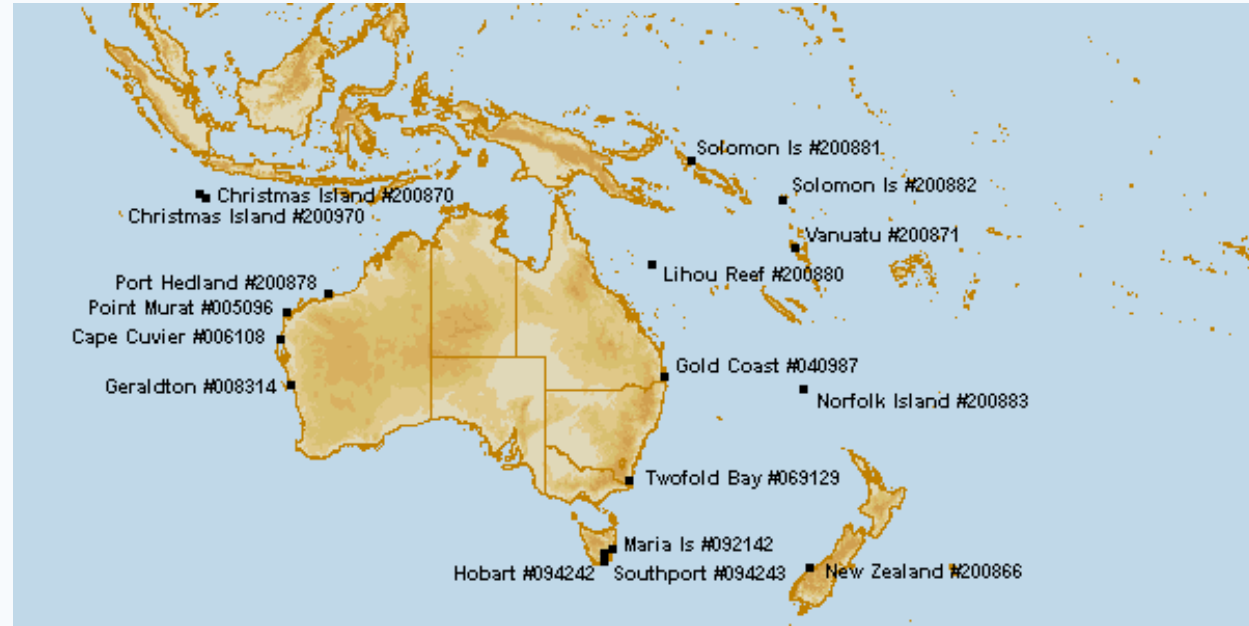
- Joint operation between Australian Navy and Sri Lankan Navy
- Despite searching 150 square nautical miles off the coast of Sri Lanka, HMA Ships *Leeuwin* and *Diamantina* were unable to confirm location of HMAS *Vampire* (I).
- It is now believed that *Vampire* (I)'s final resting place is in a deep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



Oceanographic activities



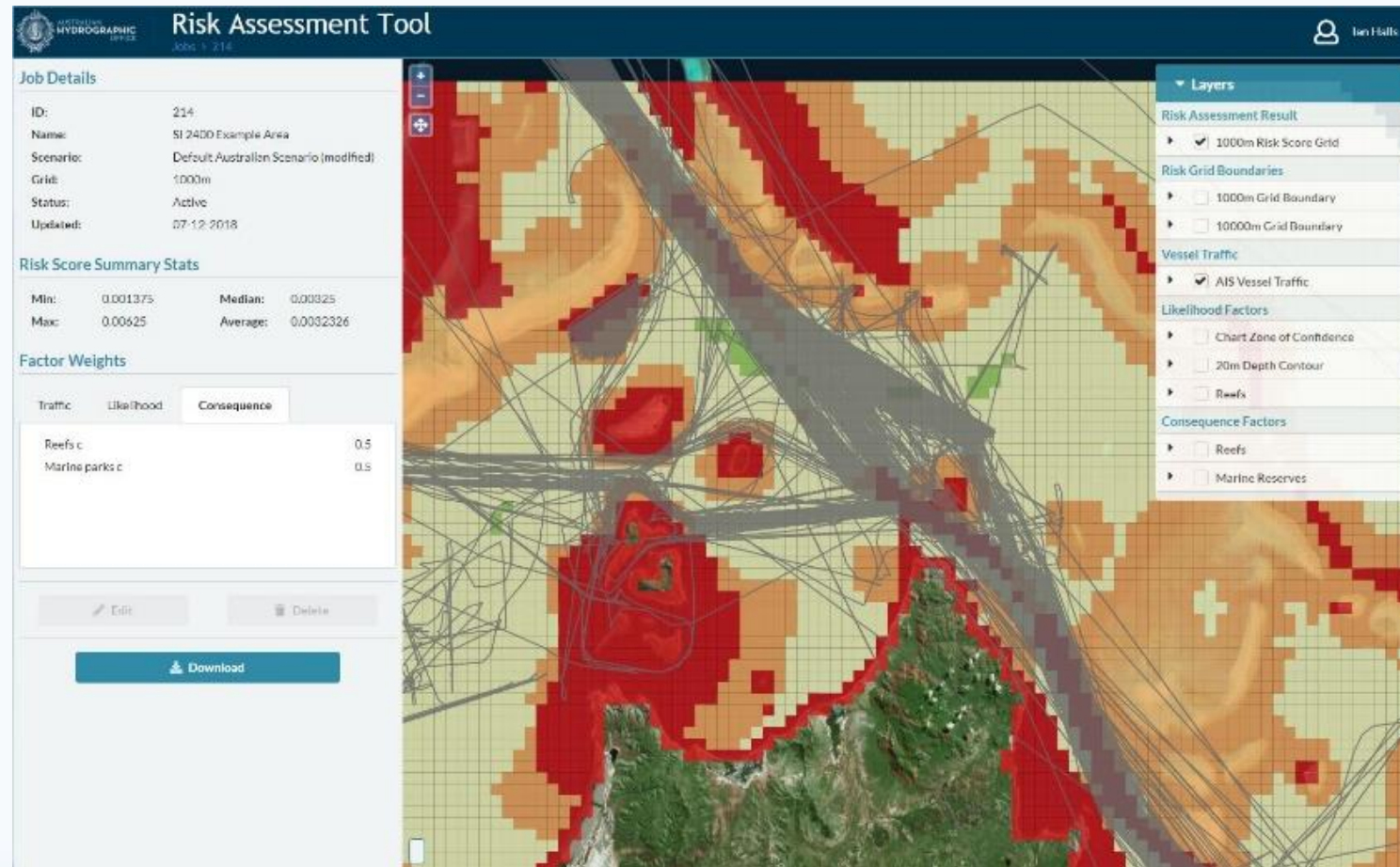
Permanent tide gauge network operated by the Bureau of Meteorology, including the Australian Baseline Sea Level Monitoring Array (16 sites) and Pacific Sea Level Monitoring Project (14 sites)



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

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

