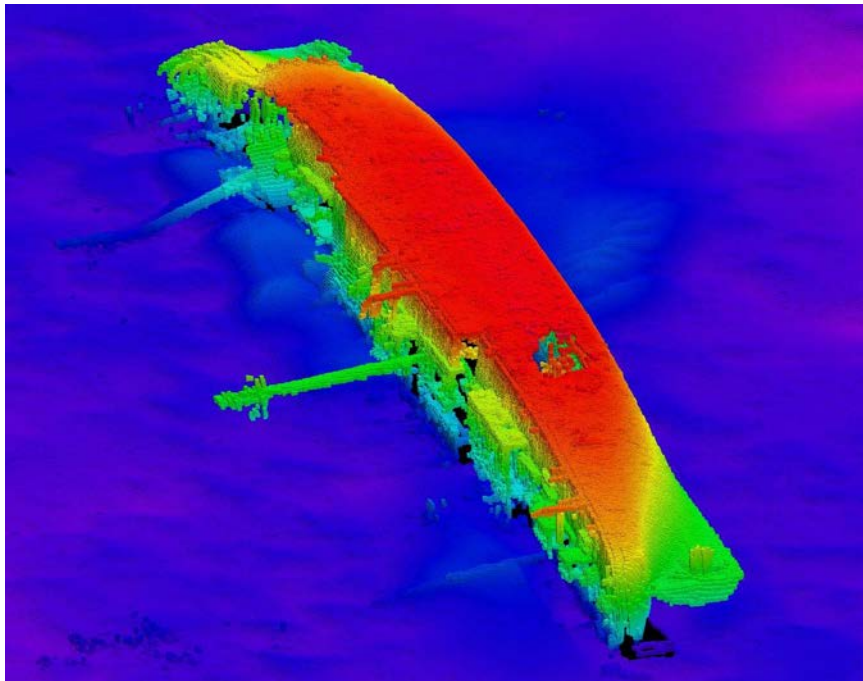


# HydroScheme Industry Partnership Program



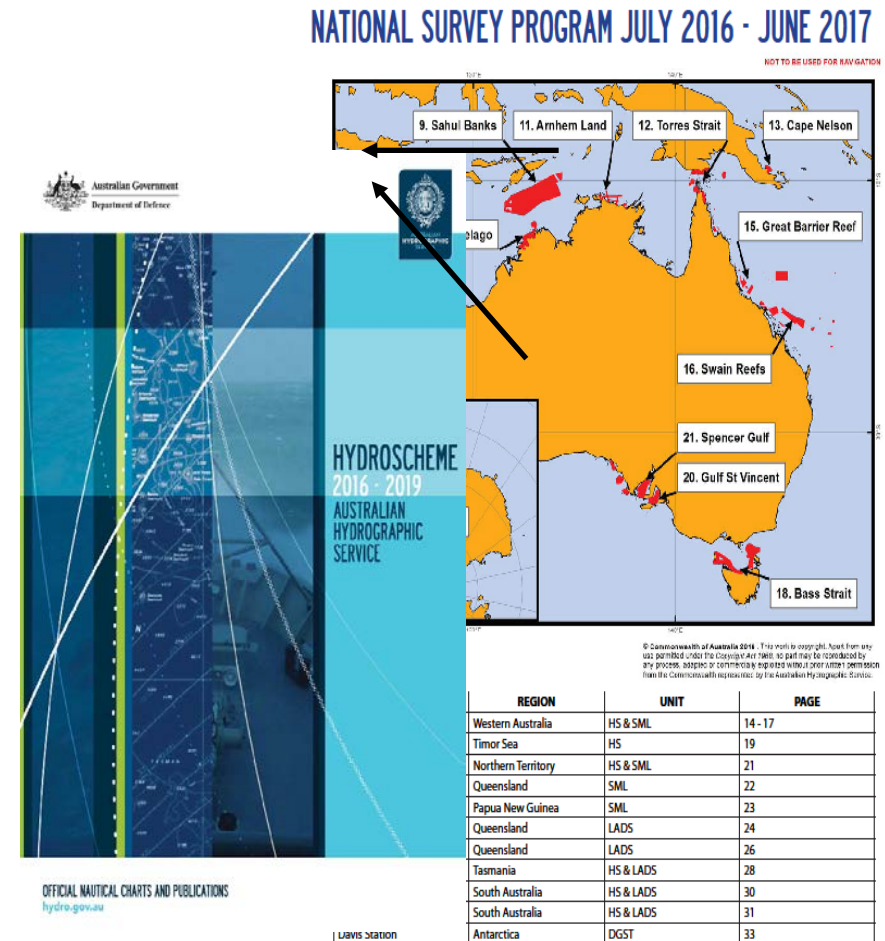
**CMDR Barbra Parker**  
Deputy Director METOC  
Policy and Plans

26 July 2017

- Need for Change
  - Growing realisation that there is a need to better understand our physical environment including the maritime domain
  - Current guidance provided through Defence White Paper 16 → Defence project SEA 2400
- Efficient combination of commercial and military capability
  - Partner with Industry to delivery the National Survey Function → **HydroScheme Industry Partnership Program**
  - Deliver a hydrographic and oceanographic capability to support unique military requirements

# Capability Elements

- **CE1 – HydroScheme Industry Partnership Program (HIPP)** – a commercial hydrographic survey program delivered by industry supporting the National Survey Function.
- **CE2 – Strategic Military Survey Capability (SMSC)** – a hydrographic survey and oceanographic vessel, and associated systems to undertake strategic collection for the Military Survey Function.



# Australia's Hydrographic Service



1920: RAN Hydrographic Service established

- Primary role to conduct surveys in Australia's waters

1942: Australian Chart Depot established

- Commenced producing Australian charts

1946: Cabinet Decision

- Navy to modernise surveys in Australian waters and in Australian spheres of influence in the Pacific

1988: Richardson Review

- Navy responsible for meeting Australia's international obligations to provide hydrographic services

2012: Navigation Act

- AHS responsible for providing hydrographic services under SOLAS obligation

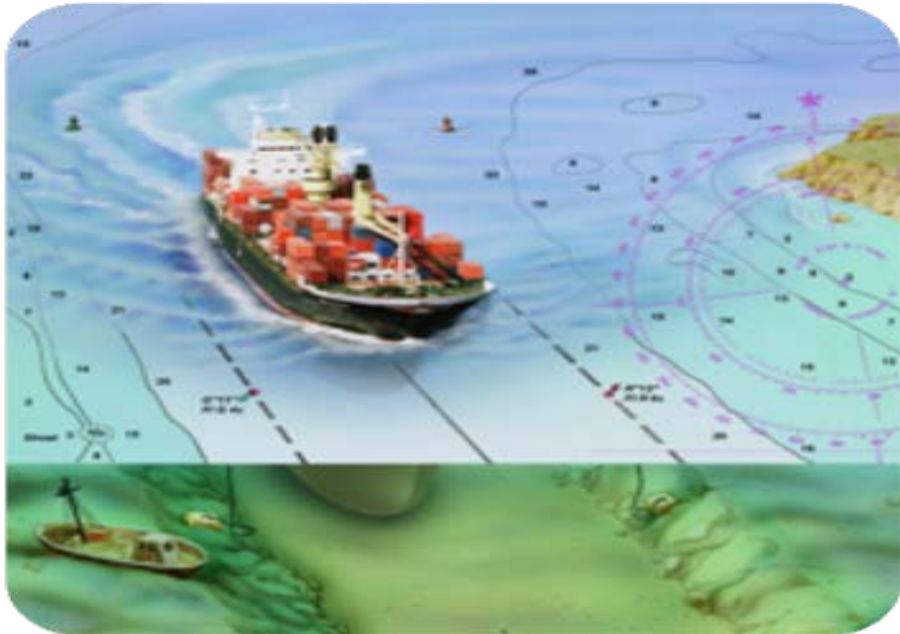
2016: Australian Hydrographic Office begins merger with the Australia Geospatial-Intelligence Organisation

2016: Release of Defence White Paper

- "Efficient combination of military and commercial hydrographic and oceanographic capabilities"



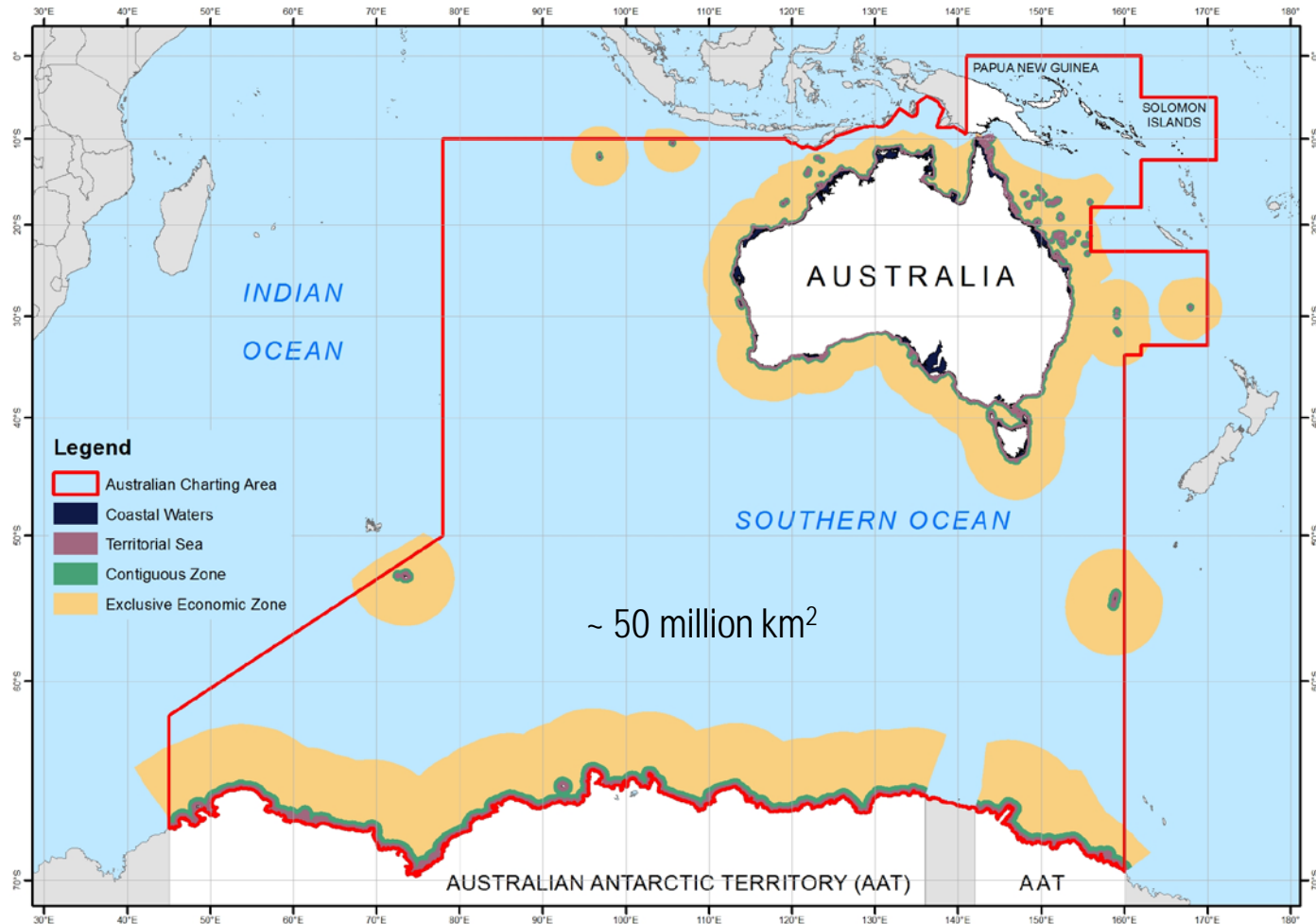
# The Need – Meeting Australia's Obligations



Source: NOAA

- Defence has a long history of hydrographic survey and an ongoing obligation to the Nation:
  - United Nations Convention on the Law of the SEA (UNCLOS)
  - International Convention for the Safety of Life at SEA (SOLAS)
  - Navigation Act 2012
- Demand is growing for a whole-of-Nation hydrographic and oceanographic survey program
- Environmental data gathering requires significant investment
  - Greater demand drives a need to partner with Industry
- Current processes and way of doing business needs to change significantly to meet Australia's current and future requirements

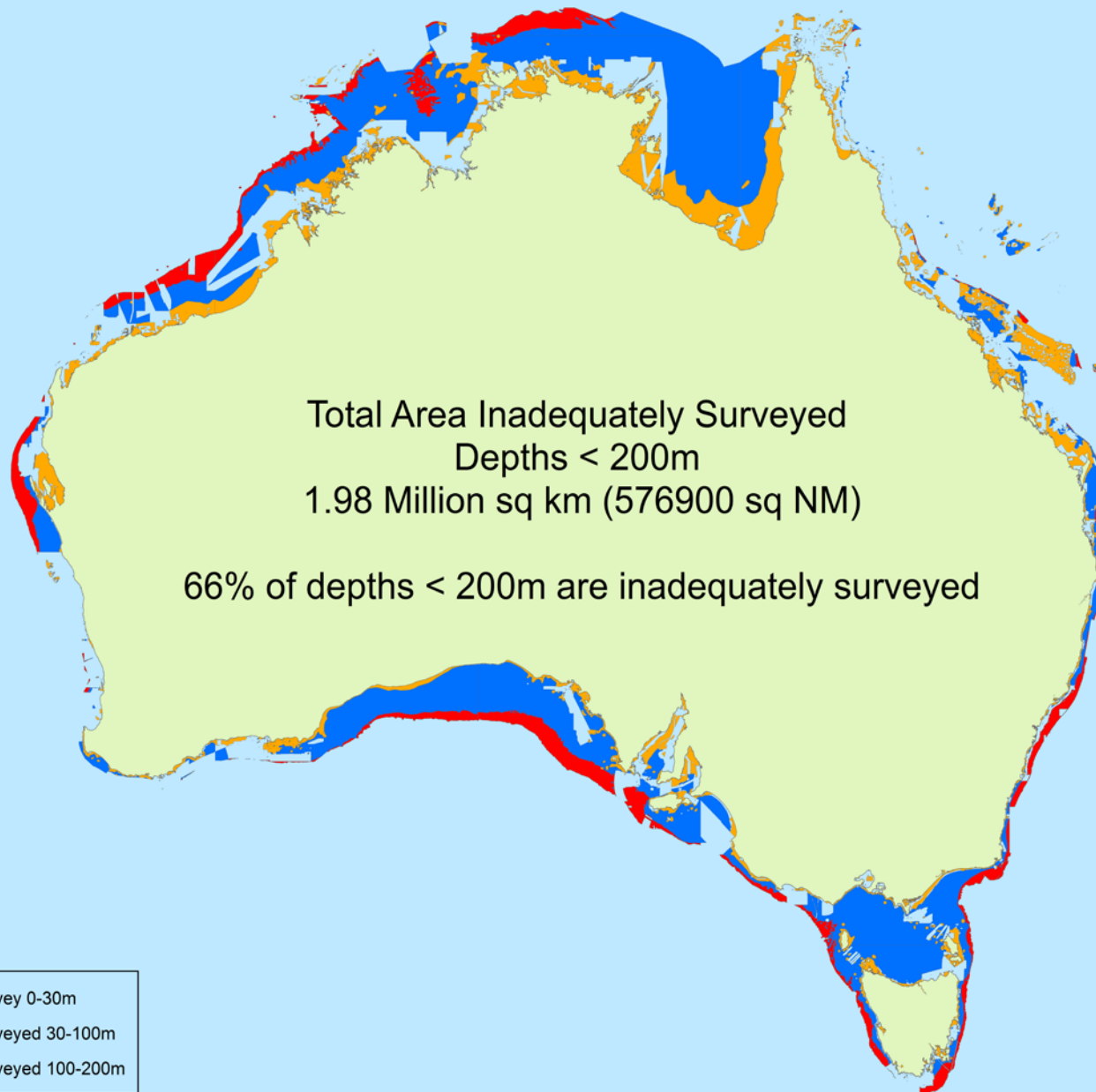
# The Task - Australian Charting Area and HydroScheme



Total area of the Australian EEZ (inc Antarctic Territory) = ~ 10.2 million km<sup>2</sup>

Total area of the Australian EEZ (excluding Antarctic Territory) = ~ 8.1 million km<sup>2</sup>

Total area of the Australian Charting Area = ~ 50.0 million km<sup>2</sup>



## **The Requirements – Efficient, Effective and Sustainable**

- Quality assured data and services underpinned by certified professionals
- Certification of hydrographic surveyors through the Australasian Hydrographic Surveyors Certification Panel (AHSCP)
- Surveys to meet, as a minimum, International Hydrographic Organization (IHO) standards
- A prioritised national HydroScheme and governance framework
- A true partnership between Defence, through the AHO, and Industry
- An efficient, effective and sustainable hydrographic and oceanographic survey program



# **The Vision – Knowing and Managing our Maritime Domain**

- A program that delivers a nation building activity, by:
  - more effectively contributing to our blue economy and maritime security
  - enhancing safety and efficiency of marine navigation and commerce
  - driving innovation in our maritime domain
  - proactive stewardship of our oceans and seas
  - greater research, understanding and management of our marine environment
  - growing and developing a sustainable hydrographic surveying industry as an essential component of our maritime infrastructure