



Australian Government
Department of Defence

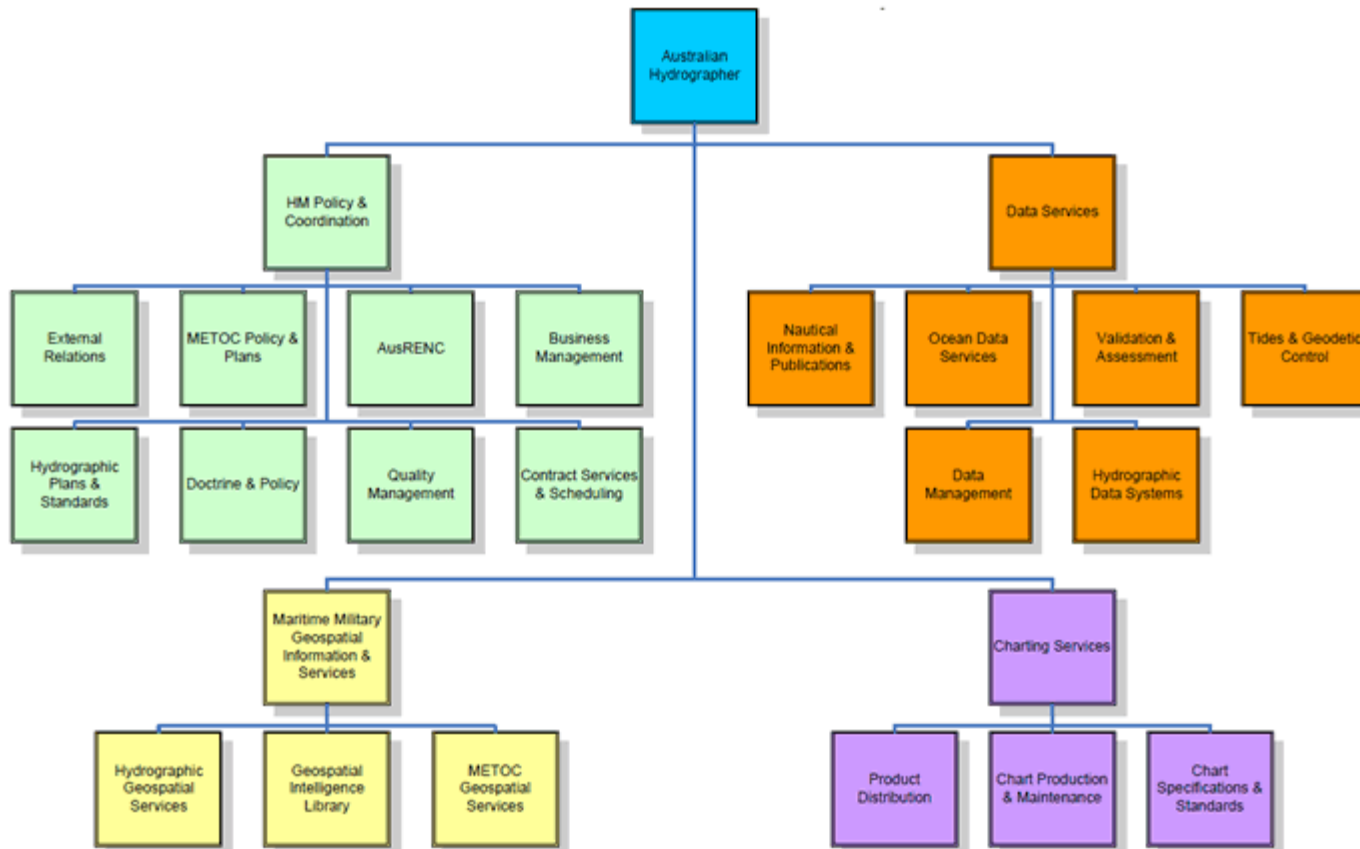
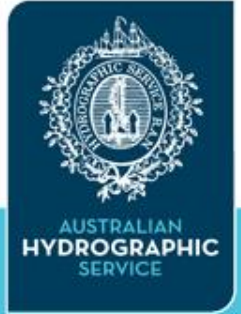


Australian Hydrographic Service: Tides and Geodetic Control

IHO TWLWG Meeting
8 May 2012

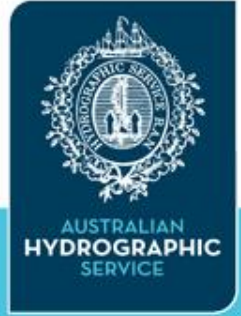


Corporate Structure



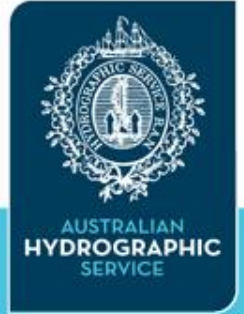


Survey Units



- Hydrographic Survey Units
- 1x Laser Airborne Depth Sounder
- 2x Leeuwin class Hydrographic Vessels
- 4x Survey Motor Launches (Paluma Class)
- 2x Deployable Geospatial Support Teams

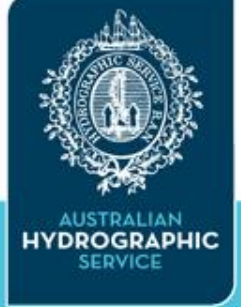




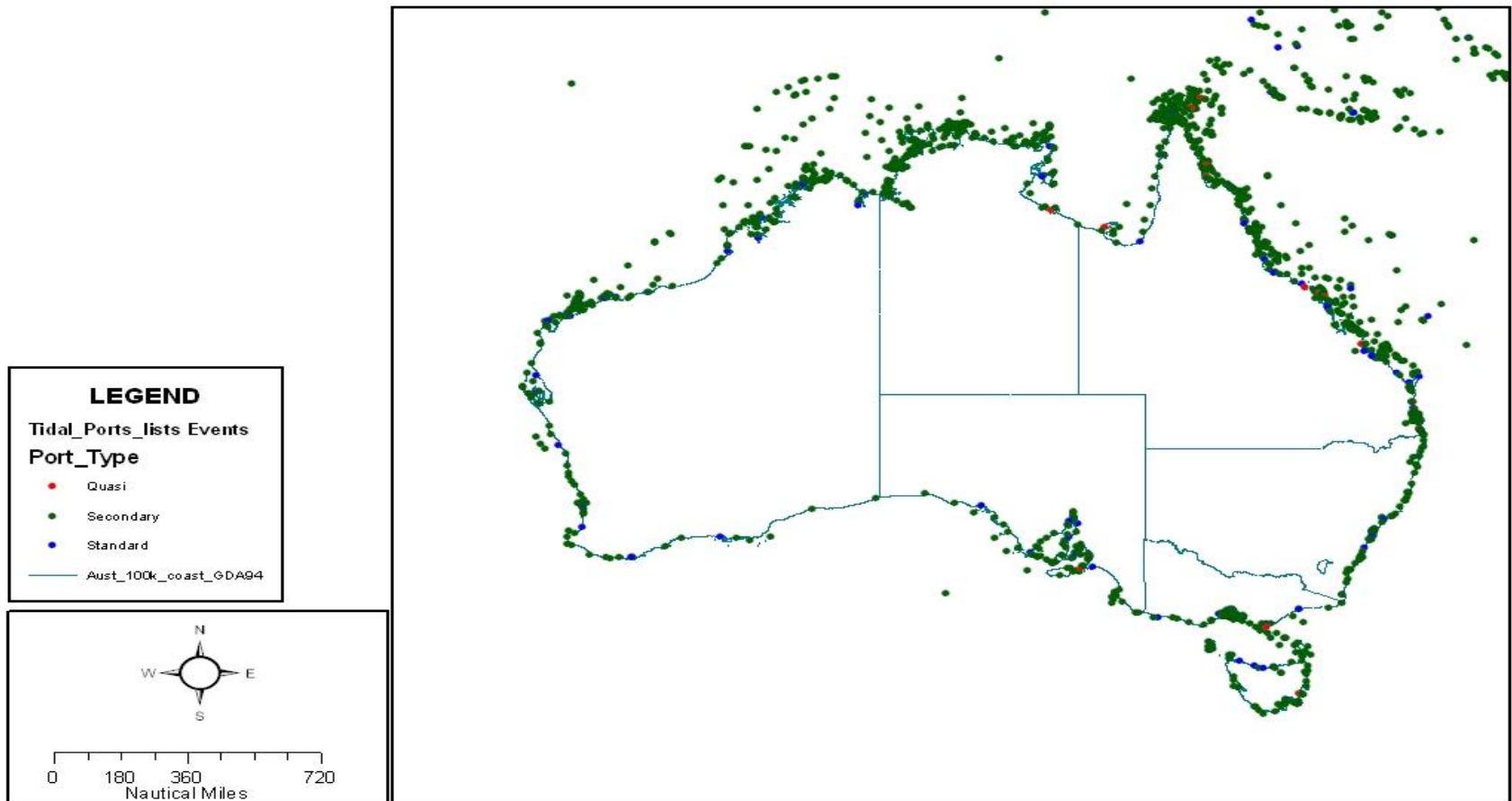
- Staffing is 5 civilians and 1 Navy personnel.
- Look after both vertical and horizontal datum information for over 1000 locations along the 59000 kilometre coastline (including Islands)
- <http://www.portsaustralia.com.au/>
- <http://www.icsm.gov.au/icsm/index.html>
- http://www.icsm.gov.au/tides/SP9_Australian_Tides_Manual_V4.1.pdf



Tidal Locations

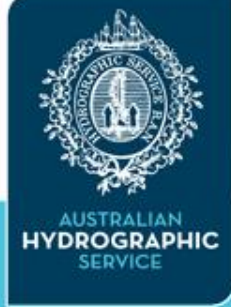


ANTT REGIONS

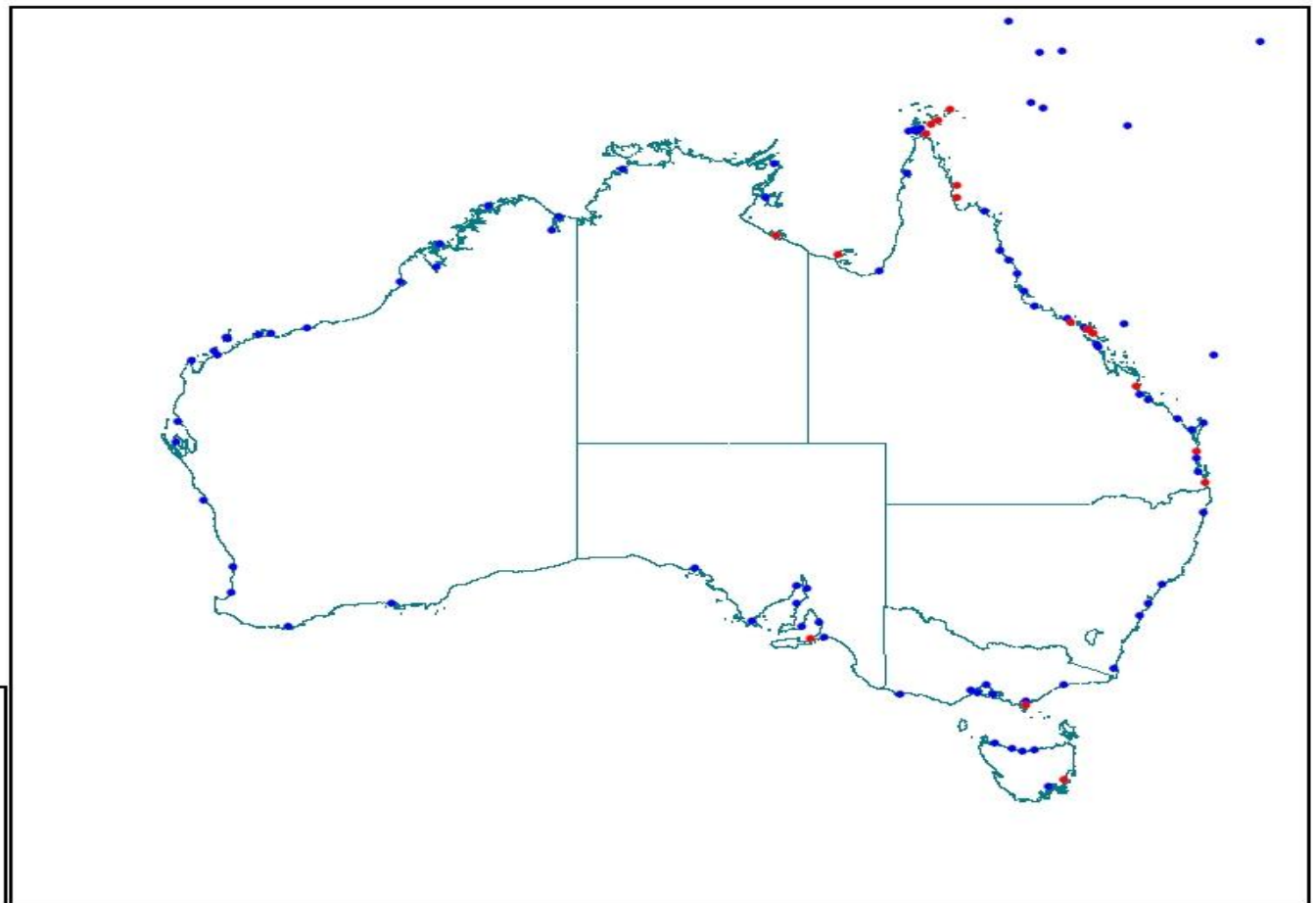




Major Ports



ANTT REGIONS



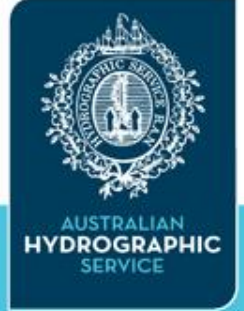
LEGEND

Tidal_Ports_lists Events

Port_Type

- Quasi
- Standard

— Aust_100k_coast_GDA94



- The main issue faced by Australia is the lack of a single repository of
 - Observations
 - Metadata on tide gauge and associated monitoring information (eg calibrations/ accuracy/ levelling)
 - GGPS Observations → majority of cases is collected by a total different department.
 - Getting State/Commonwealth Governments to recognize a need for a National program to collate the data to be able to move forward.



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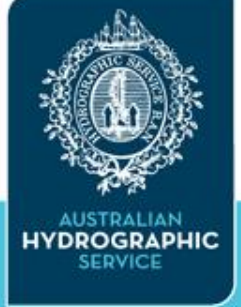
News



- 23 March 2012 saw the withdrawal the last fathoms chart, it signifies the end of the Australian Chart metrication programme which commenced in 1969.
- This World Hydrography Day- supporting safe navigation, AHS will be announcing full ENC coverage and the launch of AusENC to enable mariners closer to home to obtain access to our electronic products.



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Web: www.hydro.gov.au

Email: tides@defence.gov.au

