

19th Meeting of the South West Pacific Hydrographic Commission

National Report by

AUSTRALIA



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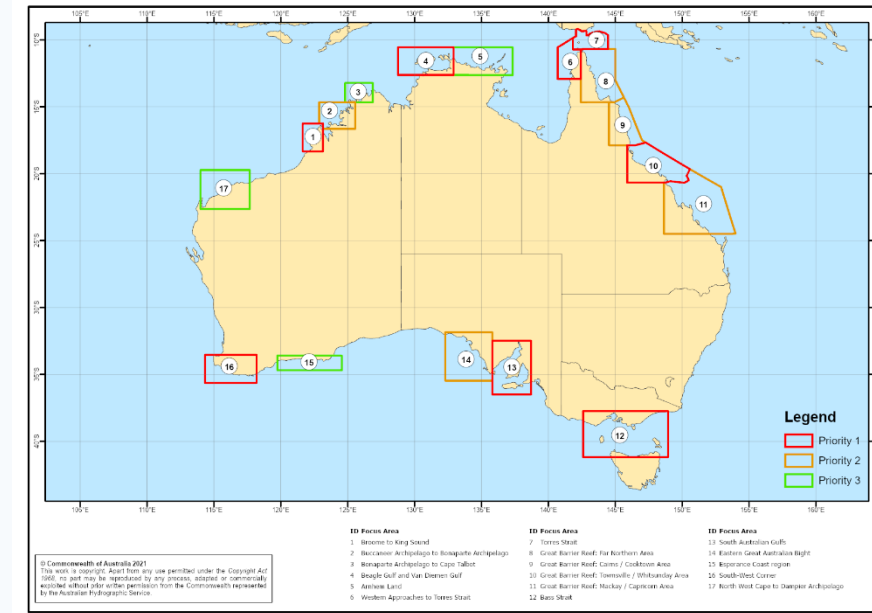
International
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South West Pacific Hydrographic Commission



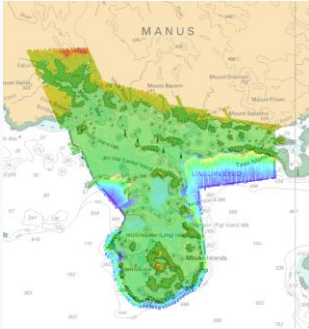
Main achievements during the year

- Key focus throughout 2020-2021 has been the implementation of the HydroScheme Industry Partnership Program (HIPP), an innovative government-industry arrangement supporting the collection, assessment and publication of nautical information products in the Australian Charting Area.
- The AHO is in the second year of implementing the HIPP. Initial Operating Capability (IOC) has been achieved, and Full Operational Capability (FOC) is now targeted for 2023. Details of current and past HydroScheme activities are published on the AHO website at www.hydro.gov.au/NHP/ as Story Maps.
- **HIPP Achievements**
 - Implemented, evolved and proven processes
 - 12 fold increase in hydrographic data collection for nautical charting
 - Safety of Navigation focus surveys
 - 13 survey projects issued – Hydroscheme2020 – All products updated for 5 Surveys, 3 underway.
 - 12 survey projects issued - Hydroscheme2021 – 5 completed
 - 81 tide gauge deployment locations (165 tide gauges deployed)
 - 81 sets of 72 hour GNSS tide buoy observations

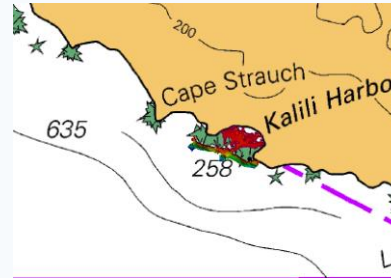


Main achievements during the year

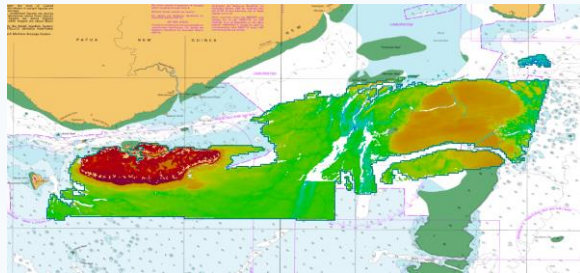
- Several products updated from surveys conducted within PNG and Solomon Islands



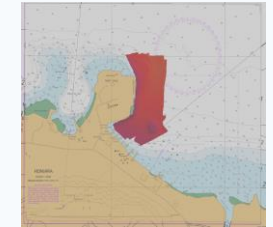
Manus Island Hydrographic Survey
PNG391 Pub Feb 21



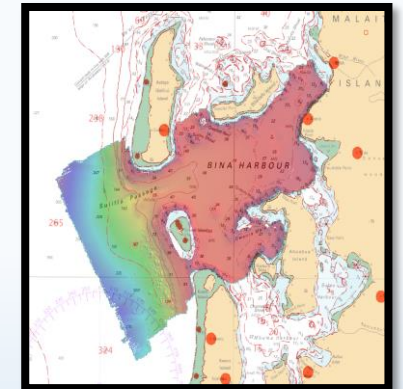
Kalili Harbour Hydrographic Survey
PNG393 published Mar 21



Saibai Island - Torres Strait
LADS Survey - AU410142,
AU410143 published Apr 21



Point Cruz Hydrographic
Survey - SB5101P1
SLB101 published Feb 21



Anchorage in the Solomon's
Islands – Bina Harbour -
SLB104 - Published Oct 21
and SB5104P6 Pub May21



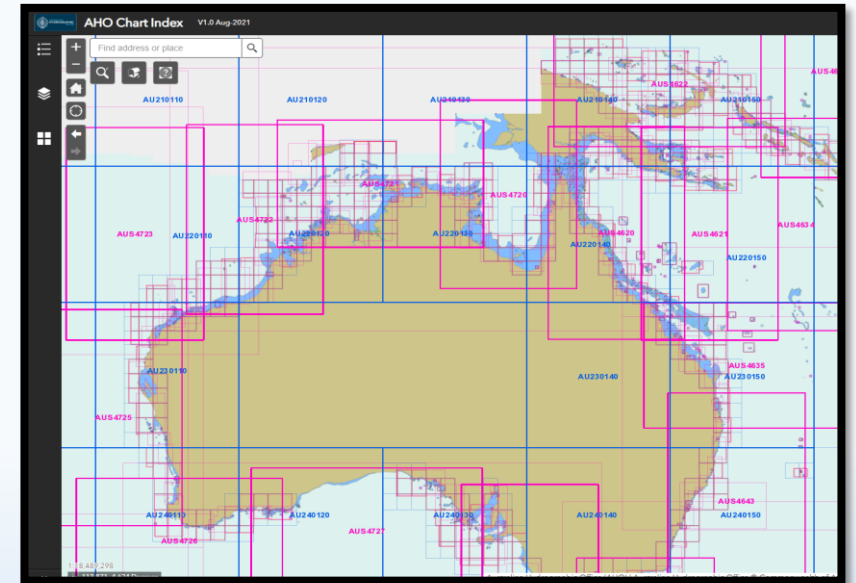
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Main achievements during the year

- **PNG Renaming Project** - all 78 paper charts have been rebranded and published. To date 166 ENC's have been renamed to PG prefix, currently 2 remaining coastal cells remain to be published.
- **International Charting and Development** - In October 2021, the AHO established an International Charting and Development (ICD) team focussing on the work we do outside Australian Waters as primary charting authority for Papua New Guinea and Solomon Islands.
- In SW Pacific region, 2 new charts published, 21 New editions, 91 New PG ENC's and 21 new AU ENC's.
- **Publications** - 2022 Australian National Tide Tables were released as a digital (.pdf) download from the AHO website. Publication of SI National Tide Tables 2022 in conjunction with SIMA.
- **Publication of Australian Chart Index Application** - a new web service to facilitate the discovery of our charting products (paper charts and ENC) in an easy to use graphical interface that has the option to display our ENC content as background.
- **S-5B Hydrographic Surveyors Course and S-8B Category B Marine Geospatial Information Program (IIC Technologies)** - AHO have number of staff enrolled in the S-5B Hydrographic Surveyors Course and the S-8B Marine Geospatial Information Program.



Main challenges and/or obstructions

- COVID-19 Restrictions reduced capacity for AHO staff to work in the office during lockdown which resulted in downtime in chart production and survey appraisals.
- Pandemic related travel restrictions which prevented collaboration in person at various IHO WG and limited training opportunities within the region.
- MSDI - Basic technology and infrastructure to support the AHO MSDI has been achieved, and is slowly growing. The biggest challenge we face as a product-centric organisation, is enabling our data holdings for FAIR access, noting our core workflow is in support of navigational chart production.



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Any other matters of interest

- Continue development of S-100 based products and services. Project Muru team established to look at AHO S-100 implementation plan, auto generation of paper charts from ENC, digital publications and vectorisation of source data.
- An online shop for AHO distribution agents to place orders for AusENC, paper charts and nautical publications is expected to be trialled and rolled out by April 2022.
- The AHO intend to publish PNG Chart Index in 2022
- The Australasian Hydrographic Society (AHS) hosted HYDROSPATIAL 2021 in Cairns on the 16th – 18th Feb 2022 in face to face meeting.
<https://www.hydrospatial2021.com.au/>



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