



AUS
SEABED

News

[Home](https://www.ausseabed.gov.au/)

(<https://www.ausseabed.gov.au/>)

[About us](https://www.ausseabed.gov.au/about)

(<https://www.ausseabed.gov.au/about>)

[Contact](http://mailto:ausseabed@ga.gov.au)

(<http://mailto:ausseabed@ga.gov.au>)

Director's Note

As we barrel towards the end of another huge year of mapping, Australia's seabed, I'd like to take a moment to mark a few changes in the leadership of the AusSeabed community. At the October Steering Committee meeting, we elected Merinda Nash, DCCEEW, uncontested as the new Vice Chair. Congratulations Merinda! We're looking forward to working more closely with you and seeing how you shape the role.

We also welcome Anne Kennedy to the AusSeabed Steering Committee. Anne replaces Martin Tunwell as the Ocean Infinity. We'd also like to take this moment to thank Martin for his years on the Steering Committee and as Vice Chair. We will miss his contributions in the Steering Committee but are happy that he remains part of the larger AusSeabed community.



Pip Bricher, Director National Seabed Mapping

I would also like to take this opportunity to highlight that the Early Career Ocean Professional position on the AusSeabed Steering Committee will be open for nominations in February. Huge thanks to Alysha Johnson for her hard work over the past 18 months. Information on the role, how to apply and eligibility requirements will be distributed in December. Please start thinking about the early career professionals in your network who would be an excellent leader in the AusSeabed community next year.

I'd like to highlight a couple of exciting recent developments at Geoscience Australia of relevance to the AusSeabed community.

Firstly, thanks to some hard work from our team, we now know that Australia has mapped 32.5% of our seabed, to a fine-enough resolution to support ocean management. The process we used to calculate that figure is based on extensive community consultation last year and will be the basis of a dashboard showing our progress in mapping the seabed at a range of resolutions to support different needs. To learn more, please read the article and come to the next AusSeabed Community Showcase on November 27th.

In October, Geoscience Australia became the first Australian Government department to partner with the GEBCO-Nippon Foundation's Seabed 2030 Project on mapping the world's ocean floor. This is especially exciting for us given AusSeabed's crucial role in Australia's contribution to Seabed 2030. Details, photos and links are covered later in this newsletter.

From all of us here at AusSeabed, we wish you a happy and safe festive period and look forward to seeing you all fresh in the new year.

Geoscience Australia partners with Seabed 2030

Geoscience Australia has partnered with Seabed 2030 to provide bathymetric data to contribute to the global effort of a fully ocean floor.

CEO of Geoscience Australia, Dr James Johnson and Director of Seabed 2030, Jamie McMichael-Phillips signed a memorandum of understanding on 29th October cementing this partnership.

For more details please read the news items from [Geoscience Australia](https://www.ga.gov.au/news/seabed-mapping-on-a-scale#:~:text=%E2%80%9CSeabed%202030%20is%20an%20important,%2C%E2%80%9D%20commented%20McMichael) (<https://www.ga.gov.au/news/seabed-mapping-on-a-scale#:~:text=%E2%80%9CSeabed%202030%20is%20an%20important,%2C%E2%80%9D%20commented%20McMichael>) and [Seabed 2030](https://seabed2030.org/2024/10/30/geoscience-australia-joins-forces-with-seabed-2030-to-advance-global-mapping/) (<https://seabed2030.org/2024/10/30/geoscience-australia-joins-forces-with-seabed-2030-to-advance-global-mapping/>).



AusSeabed in Fiji

Early November saw a strong contingent of AusSeabed people at the Pacific Ocean Mapping Meeting and GEBCO Guiding Committee meeting in Fiji. It was fascinating to learn about the wide variety of approaches to seafloor mapping across the region, from satellite and multibeam survey efforts, through to survey planning, educational programs, community engagement, the anthropology of ocean mapping, and the ways that ocean mapping can support local and global conservation efforts. The ocean mapping workshop saw dozens of participants use free tools and data to create their own ocean maps, taking home new knowledge and resources to use in their own work.

You might like to do a little light reading of some new documents shared at the meeting. The [Seabed 2030 Use Cases](https://seabed2030.org/2024/10/07/new-use-cases-highlight-critical-role-of-seabed-mapping-in-driving-ocean-sustainability-and-innovation/) (<https://seabed2030.org/2024/10/07/new-use-cases-highlight-critical-role-of-seabed-mapping-in-driving-ocean-sustainability-and-innovation/>) were released last month and are there to provide inspiration for convincing stakeholders of the value of collecting and sharing seabed data. I know that this is preaching to the choir in this community, but I hope they are useful to you in your own awareness-raising efforts. The [Ocean Decade's Bathymetry Data Sharing Guidelines](https://oceandecade.org/publications/ocean-decade-bathymetry-data-sharing-guideline/) (<https://oceandecade.org/publications/ocean-decade-bathymetry-data-sharing-guideline/>) have also been released, with the aim of making it easy to submit bathymetry data for inclusion in global products. While we at AusSeabed always hope you'll share your data with us (and we can then send it on to the global community for you) it's useful to see how other parts of the global data sharing community are getting organised.

After the Pacific Ocean Mapping Meeting, several of our members attended the GEBCO Guiding Committee meeting, where Pip Bricher, the Director of National Seabed Mapping at GA, was appointed as a representative of the Intergovernmental Oceanographic Commission on the GEBCO Guiding Committee. In the lead-up to the meeting, Pip's predecessor, Kim Picard, resigned her role on the GGC, so it's great to continue AusSeabed and GA's role in leading the global seabed mapping initiative.

Call for Community Submissions to the AusSeabed Survey Coordination Tool

Share Your Fieldwork Plans, Data Needs and Collaboration Opportunities!

The AusSeabed Survey Coordination Tool is a vital resource for understanding data needs and priorities within Australia's marine estate. This platform allows members to share their fieldwork plans, identify Areas of Interest for potential collaboration, and request specific surveys to be considered for inclusion in the Australian Hydrographic Office's Hydroscheme Industry Partnership Program (HIPP) survey schedule, which represents the largest-ever systematic hydrographic survey program in Australia.

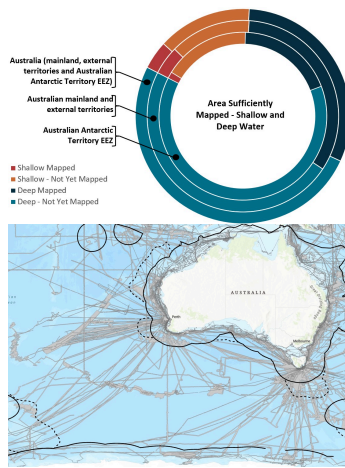
We are currently conducting the annual campaign to encourage the community to access the tool and update upcoming survey plans, current areas of interest and consider submitting HIPP requests. By doing so, you can help the Australian marine community better understand where seabed data can provide the most cumulative benefit. Your input not only influences data collection activities by AusSeabed community members, including the HIPP program, but also helps us prioritize the processing and release of legacy data. If your Areas of Interest align with those of other community members, you may even discover new collaborators to share your workload.

Please sign-up or visit the tool [here](https://coordination.ausseabed.gov.au/login) (<https://coordination.ausseabed.gov.au/login>), to help facilitate next year's planning activities.

We are also hosting a couple of demonstrations of the tool in coming weeks to help refamiliarise the community with the submission process and answer questions. Please follow the links below to register for a session:

- **2-2:30 pm 26th of November** (<https://events.teams.microsoft.com/event/a8de3ab4-dd8b-4a74-af4a-f2b48fd227d3@645b613a-a64c-4250-975f-5f69787d028d>)
- **3-3:30 pm 3rd of December** (<https://events.teams.microsoft.com/event/c39b09d9-75b2-4f9e-a16c-7208ee5cf075@645b613a-a64c-4250-975f-5f69787d028d>)
- **3-3:30 10th of December** (<https://events.teams.microsoft.com/event/9d496d21-dc02-4f22-a6b6-2328b3eb2863@645b613a-a64c-4250-975f-5f69787d028d>)



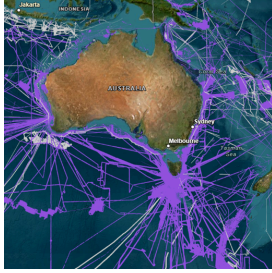


Australia's Seabed: How much is mapped?

As of August 2024, we've determined that 35.2% of Australia's marine jurisdiction has been mapped in sufficient detail, covering 4.8 million square kilometres.

Given that Australia's marine jurisdiction spans over 13 million square kilometres, this is no small feat. It has taken decades of work and collaboration across the Australian seabed mapping community to get this far.

To learn more and download the Percentage Mapped factsheet visit [Geoscience Australia's catalogue](https://ecat.ga.gov.au/geonetwork/srv/eng/catalog.search#/metadata/149851) (<https://ecat.ga.gov.au/geonetwork/srv/eng/catalog.search#/metadata/149851>).



AusSeabed Marine Data Portal Enhancements

Throughout 2024 several new features and enhancements have been added to the Geoscience Australia Portal which houses the AusSeabed Marine Data Portal.

The main enhancements are a new hierarchical layer structure and a new filtering sidebar. The hierarchical layer structure improves on the previous primary/secondary structure resulting in a more efficient user experience when navigating the catalogue. Under the new layer structure, users can drill down into a much deeper catalogue with more sensible ordering, resulting in a shorter list of products. The new layer filtering sidebar allows users to filter data based on categories such as theme, organisation and keywords making navigating data in the portal easier and more flexible. In addition to these exciting new features, the portal team are looking into further enhancements which will improve the usability and reportability of the Marine Data Portal. Watch this space for more updates!

Publications

Name	Resolution	Metadata link	Portal link
Fremantle to Hobart Bathymetry 10m - 210m (CSIRO) in2024_t01	10m	doi (https://doi.org/10.25919/z0zv-na97)	portal (https://portal.ga.gov.au/restore/afa42bf3-1a5b-4ecd-bfa5-31abec2e006d)
Forster (Cape Hawke to Black Head), NSW	5m	pid (http://pid.geoscience.gov.au/dataset/ga/149680)	portal (https://portal.ga.gov.au/restore/09948014-f4ab-4223-8378-497890ca8ea9)
Southern Ocean Time Series Bathymetry 10m - 210m (CSIRO) IN2020_V09	10m	doi (https://doi.org/10.25919/z65q-jf88)	portal (https://portal.ga.gov.au/restore/3bc019b5-598b-468e-9e66-e4f1b82757b2)
Southern Ocean Time Series Bathymetry 10m - 210m (CSIRO) IN2023_V03	10m	doi (https://doi.org/10.25919/a9tg-6m15)	portal (https://portal.ga.gov.au/restore/8ec541ec-ed6a-49b2-824c-00bece780c3d)
Tasman Sea Bathymetry 10m - 210m (CSIRO) in2023_v05	10m	doi (https://doi.org/10.25919/h3qg-cs91)	portal (https://portal.ga.gov.au/restore/5f172994-9b14-46a7-bf90-57bb3253118f)
Southern Ocean Bathymetry 10m - 210m (CSIRO) in2024_v01	10m	doi (https://doi.org/10.25919/20gj-k696)	portal (https://portal.ga.gov.au/restore/010629a0-3b65-4fe2-a0c5-849c2387e66a)
Varzin Passage to Merkara Shoal (HIPP SI 1017) Bathymetry	30m	pid (http://pid.geoscience.gov.au/dataset/ga/149880)	portal (https://portal.ga.gov.au/restore/4c16bb9f-fb61-4681-abd9-b1d1bd5aa17a)
Kangaroo Island (South-East) (HIPP SI 1023) Bathymetry	30m	pid (http://pid.geoscience.gov.au/dataset/ga/149882)	portal (https://portal.ga.gov.au/restore/d5f092fb-fc46-4a0b-ae91-accae47dcf7f)
Clarence Strait to Dundas Strait (HIPP SI 1027) Bathymetry	30m	pid (http://pid.geoscience.gov.au/dataset/ga/149883)	portal (https://portal.ga.gov.au/restore/c001a0c0-8f3a-4a4b-982e-6ff386b4a9a5)
Bass Pyramid to Wright Block (HIPP SI 1030) Bathymetry	30m	pid (http://pid.geoscience.gov.au/dataset/ga/149884)	portal (https://portal.ga.gov.au/restore/a846f27b-53b4-42d7-8aa2-4792500e121f)
Lord Mayor Shoal to Pitt Shoals (HIPP SI 1042) Bathymetry	30m	pid (http://pid.geoscience.gov.au/dataset/ga/149885)	portal (https://portal.ga.gov.au/restore/677a5661-f8f3-40ab-bf78-e8b63df98e80)
Cape Fourcroy (West) (HIPP SI 1043) Bathymetry	30m	pid (http://pid.geoscience.gov.au/dataset/ga/149887)	portal (https://portal.ga.gov.au/restore/a758e2d6-c1c9-40fd-b734-e52f8cc43f4b)
Howard Channel (HIPP SI 1046) Bathymetry	30m	pid (http://pid.geoscience.gov.au/dataset/ga/149889)	portal (https://portal.ga.gov.au/restore/7ddd8322-1c26-455f-878b-56829fe3f779)
Shark Bay Satellite-Derived Bathymetry	10m	pid (http://pid.geoscience.gov.au/dataset/ga/149909)	portal (https://portal.ga.gov.au/restore/1b182d8a-5d5c-4d04-ab4a-3c0d3c9ad9f6)
South-west Corner and Perth Canyon Marine Park Surveys 2022_03_DFZ+PC Bathymetry	64m	pid (https://pid.geoscience.gov.au/dataset/ga/149685)	portal (https://portal.ga.gov.au/restore/5bad0993-b5cf-4a40-b5ed-90e00b246fee)

Southern Ocean Time Series Bathymetry 10m - 210m (CSIRO) in2024_v02	10m	doi (https://doi.org/10.25919/xqa8-cz88)	portal (https://portal.ga.gov.au/restore/df926344-bc04-45bc-83dd-7079f42ea100)
East Australian Current Bathymetry 10m -210m (CSIRO) in2024_v04	10m	doi (https://doi.org/10.25919/h722-qq06)	portal (https://portal.ga.gov.au/restore/3b2a4157-32e1-41b1-a1e6-bc8143cb3b45)



Australian Government

Department of Climate Change, Energy, the Environment and Water
Australian Antarctic Division



**AUSTRALIAN
ANTARCTIC
PROGRAM**

Recruiting Hydrographic Data Coordinator

The Australian Antarctic Division (AAD) is part of the Commonwealth Department of Climate Change, Energy, the Environment and Water. As primary agency for Australia's Antarctic Program (AAP), the AAD is responsible for achieving the Australian Government's Antarctic goals.

The Hydrographic Data Officer would be responsible for coordinating hydrographic survey work within the AAD, and ensuring that data collections are appropriately maintained and are appropriately provided to partner organisations such as the Australian Hydrographic Office (AHO) and Geoscience Australia (GA)/AusSeabed.

For more information, or to apply visit Seek (<https://www.seek.com.au/job/80043154?ref=search-standalone&origin=showNewTab#sol=beb3a0febc28d30fd22e0887db1b0df407be3fe6>).

Reading Corner



**Copernicus
Marine Service**

THE NIPPON FOUNDATION-GEBCO

**SEABED
2030**

Copernicus Ocean State Report 8 Release

(<https://marine.copernicus.eu/news/copernicus-ocean-state-report-8-release>)

Seabed 2030 Use Cases

(<http://seabed2030.org/2024/10/07/new-use-cases-highlight-critical-role-of-seabed-mapping-in-driving-ocean-sustainability-and-innovation/>)

Events and Courses

AusSeabed Showcase

The AusSeabed Showcase will be held 27th November from 2pm AEST.

Details about presenters and presentations will be coming soon.

[Register here](#)

(<https://events.teams.microsoft.com/event/c0541e13-a72d-41a7-8ed2-d73712115eef@645b613a-a64c-4250-975f-5f69787d028d>)

MBC84 Multibeam Sonar Training

Registration is still open for the next CCOM UNH-OMG UNB hydrographic multibeam short course in Honolulu 27 January to 1 February 2025.

The course description and outline are [here](https://mbcourse.com/description-and-outline/) (<https://mbcourse.com/description-and-outline/>).

Further details and the registration form are [here](https://mbcourse.com) (<https://mbcourse.com>).

Cnr Jerrabomberra Ave and Hindmarsh Drive

Please click here to [unsubscribe](#) ([{{#DOC\(20462593d991a653bee5|S#\)?parent_id=\(*DATA\(DOC_ID*\)\)}}](#)) from our mail list.