Name of dataset or data source:	NSW seabed landforms derived from marine lidar data 2022	
Custodian of the dataset or data source:	ED Science (E&H)	
Description:	Seabed landform features were classified from the New South Wales statewide marine lidar dataset, acquired in 2018 by Fugro Pty Ltd on behalf of the Department of Planning and Environment (data available for download on SEED, see below). Seabed features were extracted from the marine lidar data and classified into seabed landform classes. Classified landform features include reefs, plains, peaks, scarps, depressions and channels. These landforms capture variation in the shape and structure of reef outcrops along the NSW coastal and nearshore environment. Features were classified using the Seabed Landforms Classification Toolset developed for ArcGIS by the Coastal and Marine Unit, DPE (Linklater et al. 2023) which are publicly available on SEED (https://datasets.seed.nsw.gov.au/dataset/seabed-landforms- classification-toolset) and GitHub (https://github.com/LinklaterM/Seabed-Landforms-Classification- <u>Toolset</u> /).	
	The statewide dataset is provided as ArcGIS shapefiles divided into 9 segments along the coast. The data covers 4060 km2, extending from the coastline (0 m AHD) to a maximum of 50 m depth, reaching an average depth of 35 m. Data coverage extends a maximum distance of 9 km offshore, with coverage extending on average 3 km offshore.	
	This dataset provides an understanding of the extent and distribution of submerged reefs along the NSW coast, which contributes fundamental baseline information for managers, users and custodians of the marine environment.	
	This dataset was funded by the Marine Estate Management Authority and NSW Climate Change Fund through the Coastal Management Funding Package.	
	Please cite this dataset as: Linklater, M., Morris, B., Kinsela, M., Ingleton, T. and Hanslow, D. (2022), Exploring patterns of reef distribution along the southeast Australian coast using marine lidar data. Manuscript in preparation.	
	NSW statewide marine lidar data – available for download on SEED: https://datasets.seed.nsw.gov.au/dataset/marine-lidar-topo-bathy- 2018	
	Linklater, M., Morris, B.D. and Hanslow, D.J. (2023), Classification of seabed landforms on continental and island shelves. Frontiers in Marine Science, 10, <u>https://www.frontiersin.org/articles/10.3389/fmars.2023.1258556/full</u> .	
	Linklater, M., Ingleton, T. C., Kinsela, M. A., Morris, B. D., Allen, K. M., Sutherland, M. D., & Hanslow, D. J. 2019. Techniques for classifying seabed morphology and composition on a subtropical-temperate continental shelf. Geosciences, 9(3), 141.	
Data quality rating:	 ★Institutional Environment - 5 ★Accuracy - 5 ★Coherence - 5 ★Interpretability - 5 ★Accessibility - 4 	

INSTITUTIONAL ENVIRONMENT

Excellent

 \star

- Does the information have the potential to enhance services or service delivery?
- The data aligns with the Data Quality Framework, including:
 - Legislation
 - Policies
 - Information Asset Governance
 - Standards
 - Data Management Plans
- The following governance roles and responsibilities for this asset are clearly assigned:
 - Information Asset Owner
 - Information Asset Custodian
 - Information Steward
- Data collection is authorised by law, regulation or agreement
- The Custodial agency has no commercial interest or conflict of interest in the data

ACCURACY

Excellent

 Data has been subject to a data assurance process (for example: Checking for errors at each stage of data collection and processing, or verifying data entry and making corrections if necessary.)

- Data is revised and the revision is published if errors are identified
- There are no known gaps in the data or if there are gaps (for example: non-responses, missing records, data not collected), they have been identified in caveats attached to the dataset.

✓ No changes have been made or other factors identified (for example: weighting, rounding, de-identification of data, changes or flaws in data collection or verification methods) that could affect the validity of the data; or any changes/factors have been identified in caveats attached to the asset.

✓ The data collection met the objectives of the primary user. The data correctly represents what it was designed to measure, monitor or report.

COHERENCE

Excellent

- ✓ Standard definitions, common concepts, classifications and data recording practices have been used.
- Elements within the data can be meaningfully compared.
- This data is generally consistent with similar or related data sources from the same discipline

 The data can be analysed over time (for example, there have not been any significant changes in the way items are defined, classified or counted over time).

✓ The data does not form part of a collection or, if it is the latest in a series of data releases, there have not been any changes in methodology or external impacts since the last data release.

	INTE	ERPF	RETA	BILITY
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Excellent

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A data dictionary is available to explain the meaning of data elements, their origin, format and relationships

✓ Information is available about the primary data sources and methods of data collection (e.g. instruments, forms, instructions).

Information is available to help users evaluate the accuracy of the data and any level of error

- Information is available to explain concepts, help users correctly interpret the data and understand how it can be used
- Information is available to explain ambiguous or technical terms used in the data

i Find out more about the data dictionary from the Custodian (contact details below).

i Find out more about the primary data sources and methods of data collection from the Custodian (contact details below).

i Find out more about concepts used in this dataset and how to understand or interpret the data from the Custodian (contact details below).

i Find out more about ambiguous or technical terms used in the data from the Custodian (contact details below).

ACCESSIBILITY

Very Good

*

- Data is available online with an open licence
- ✓ Data is available in machine-processable, structured form (e.g. CSV format instead of an image scan of a table)
- ✓ Data is described using open standards (e.g. RDF, SPARQL) and persistent identifiers (URIs or DOIs)

 Data is linked to other data, to provide context (e.g. employee ID is linked to employee name or species name is linked to genus)

X Data is available in a non-proprietary format (e.g. CSV, XML)

DATA DISCLAIMER

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For more information about this dataset or data source, contact:	NSW Department of Climate Change, Energy, the Environment and Water
Data Broker email:	data.broker@environment.nsw.gov.au
Data Broker phone:	131555

The data quality statement aims to help you understand how a particular dataset could be used and whether it can be compared with other, similar datasets. It provides a description of the characteristics of the data to help you decide whether the data will be fit for your specific purpose.

The Data Quality statement is prepared by the data custodian (provider of the dataset), using a questionnaire that has been developed in accordance with the NSW Government Standard for Data Quality Reporting.

About the quality rating:

The reporting questionnaire asks five questions for each of these data quality dimensions:

- Institutional Environment
- Accuracy
- Coherence
- Interpretability
- Accessibility

For each question: "yes" = 1 point; "no" = 0 points

The number of points determines the Quality Level for each dimension (high, medium, low). Only dimensions with four or five points receive a star.

Points	Quality Level	Star / No Star
0	Poor	No Star
1	Poor	No Star
2	Fair	No Star
3	Good	No Star
4	Very Good	Star
5	Excellent	Star

Evaluating data quality

Quality relates to the data's "fitness for purpose". Users can make different assessments about the dataquality of the same data, depending on their "purpose" or the way they plan to use the data.

The following questions may help you evaluate data quality for your requirements. This list is not exhaustive.Generate your own questions to assess data quality according to your specific needs and environment.

- What was the primary purpose or aim for collecting the data?
- How well does the coverage (and exclusions) match your needs?
- How useful are these data at small levels of geography?
- Does the population presented by the data match your needs?
- To what extent does the method of data collection seem appropriate for the information being gathered?
- Have standard classifications (eg industry or occupation classifications) been used in the collection of the data? If not, why? Does this affect the ability to compare or bring together data from different sources?
- Have rates and percentages been calculated consistently throughout the data?
- Is there a time difference between your reference period, and the reference period of the data?
- What is the gap of time between the reference period (when the data were collected) and the release date of thedata?
- Will there be subsequent surveys or data collection exercises for this topic?
- Are there likely to be updates or revisions to the data after official release?