Name of dataset or data source:	NSW Koala Habitat Suitability Model 5m v1.1
Custodian of the dataset or data source:	ED Science (E&H)
Description:	This is a state-wide model of the potential of a given location to support koalas. Two versions of the model exist, a continuous model with habitat suitability values ranging from 0-1 (this product), and a classified version in which the continuous values have been grouped into classes representing very high quality habitat, through to very low quality and non-habitat. Note the original floating point raster has been converted to integer values between 0 to10,000. The Koala Habitat Suitability Model (KHSM) is one of the core products in the Koala Habitat Information Base (KHIB). It provides the current, best available state-wide prediction of potential koala habitat across NSW, encompassing the distribution of preferred trees and koala sightings. The KHIB is a public resource intended to assist government agencies, local councils and private land holders with koala conservation decisions. The Koala Habitat Suitability Models v1.1 are built off a predictive (MaxEnt) model, iteratively developed following a series of expert reviews. The KHSM was developed as a set of six regional models across eastern and central NSW that are referred to as Koala Modelling Regions (KMRs). These regional models capture variations in habitat quality at a regional scale that are driven largely by changes in the distribution of available food tree species. An additional MaxEnt model was developed to predict the westerly extent that koalas have the potential to occupy over the Darling Riverine Plains, Far West and Riverina KMRs. Each of the models provide an indication of where animals have the potential to reside rather than where they do reside. Thus the term “habitat” refers to areas that koalas have the potential to occupy, but may not actually live. The suitability scores from all seven models have been mosaicked together into a single state-wide product. This is available for download as a zipped 5m tif image readable in any spatial software package. An ArcGIS mxd is also supplied for suggested symbology. All Koala Habitat Information Base datasets are available for download at the links below under 'Dataset relationship'. For further information on the data layers and their development, please see the Koala Habitat Information Base Technical Guide.
Data quality rating:	★Institutional Environment - 4 ★Accuracy - 4 ★Coherence - 5 ★Interpretability - 5 ★Accessibility - 4

INSTITUTIONAL ENVIRONMENT	**Very Good**	★

✔ Does the information have the potential to enhance services or service delivery?

✔ 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

✗ The data aligns with the Data Quality Framework, including:

- Legislation
- Policies
- Information Asset Governance
- Standards
- Data Management Plans

ACCURACY — Very Good ★

✔ 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.)

✔ 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.

✗ Data is revised and the revision is published if errors are identified

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.

INTERPRETABILITY — Excellent ★

✔ 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 available in a non-proprietary format (e.g. CSV, XML)

✔ 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)

✗ Data is described using open standards (e.g. RDF, SPARQL) and persistent identifiers (URIs or DOIs)

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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

Understanding the Data Quality Statement

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?