

Name of dataset or data source:	Soil and Land Resources of the Hunter Region
Custodian of the dataset or data source:	ED Science (E&H)
Description:	<p>This digital soil landscape product contains natural resource mapping for the Hunter and Central Rivers sub-catchments plus extends to also include the Hunter Local Land Services (LLS) government boundary.</p> <p>The dataset upgrades 1:250,000 soil landscape mapping for the Singleton area providing a standardised and seamless land and soil information across the region at 1:100,000 scale. Mapping covers an area of 37,639 km² from Yarrowitch and Murrurundi in the north to around Rylstone and Woy Woy in the south and extends west to just past Ulan.</p> <p>The project was partially funded by the Hunter LLS and will assist decision making, planning and environmental modelling throughout the region. It also supports improved decision making and management of highly productive agricultural area (e.g. Biophysical Strategic Agricultural Land) under the NSW Government's Strategic Regional Land Use Policy (SRLUP) and Mining Sepp.</p> <p>Four hundred and sixty soil landscape map units have been described within the Hunter Region. Each unit is an inventory of soil and landscape information with relatively uniform land management requirements, allowing major soil and landscape qualities and constraints to be identified. Many representative type profiles are supported by laboratory analysis and soils are described using the Australian Soil Classification and the Great Soil Groups systems.</p> <p>Related Datasets: The dataset area is also covered by the mapping of the Soil landscape 1:100 000 and 1:250 000 mapping series for the map sheets of Murrurundi, Blackville, Dungog, Newcastle, Port Stephens, Gosford/Lake Macquarie, Sydney, Wallerawang, St Albans, Dubbo and Singleton. Part of this area is also covered by the mapping of Hydrogeological landscapes of NSW and Acid Sulphate Soil Risk Mapping.</p> <p>Online Maps: This and related datasets can be viewed using eSPADE (NSW's soil spatial viewer), which contains a suite of soil and landscape information including soil profile data. Many of these datasets have hot-linked soil reports. An alternative viewer is the SEED Map; an ideal way to see what other natural resources datasets (e.g. vegetation) are available for this map area.</p> <p>Reference: Department of Planning, Industry and Environment, 2020, <i>Soil and Land Resources of the Hunter Region</i>, version 1.5, NSW Department of Planning, Industry and Environment, Parramatta.</p>
Data quality rating:	<ul style="list-style-type: none"> ★Institutional Environment - 5 ★Accuracy - 5 ★Coherence - 5 ★Interpretability - 5 ★Accessibility - 4

- ✓ 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.

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)

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

DATA DISCLAIMER

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For more information about this dataset or data source, contact:

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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 data quality 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 the data?
- 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?