Attribute lookup tables (LUTs) for the *Tenure of Australia's forests (2023)* dataset

Dataset attributes (Value Attribute Table or VAT)

Field	Field type	Description
VALUE	Numeric	Unique identifier for each unique combination of attribute field values
COUNT	Numeric	Number of cells that occur for a particular VALUE. For this dataset the cell size/resolution is 100 by 100 metres. The COUNT value is equivalent to the area in hectares.
STATE	Text	State or territory in which the cell occurs.
TEN_TYPE	Text	National Forest Inventory (NFI) national tenure class. Shows tenure for both forest and non-forest land. The TEN_TYPE.LUT table below describes each tenure class.
FOR_TEN	Text	NFI national tenure class, and combined (intersected) with the forest cover extent from the NFI *Forests of Australia (2023)* dataset. Shows tenure of forest land only. The TEN_TYPE.LUT table below describes each tenure class.
FOR_CODE	Number	Code linking the NFI forest type name (FOR_TYPE) to a COVER class and HEIGHT class. Each unique combination of the three attributes gives a forest formation value. The FOR_CODE.LUT below documents each code.
FOR_TYPE	Text	NFI forest type name. Forest types are documented in the FOR_CODE.LUT below.
FOR_CAT	Text	NFI forest category name. Valid values are: Non-forest; Native forest; Commercial plantation and Other forest.
COVER_CODE	Numeric	Code linking the NFI forest type to a crown cover class. The COVER.LUT table below describes each code and value.
HT_CODE	Numeric	Code linking the NFI forest type to a forest height class. The HEIGHT.LUT table below describes each code and value.

TEN_TYPE.LUT (Tenure type lookup table)

Tenure type/class (TEN_TYPE)	National land tenure class
LEASE	Leasehold forest
MUF	Multiple-use public forest
NCR	Nature conservation reserve
OCL	Other Crown land
PRIV	Private forest
ND	Unresolved tenure

The national land tenure class used to classify land in the National Forest Inventory are below, as described in the *Australia's State of the Forests Report* in Indicator 1.1a: Area of forest by type and tenure, and described in *Australia's forest and forestry glossary*[1].

Leasehold forest – Crown land held under leasehold title, and generally privately managed, although state and territory governments may retain various rights over the land, including over forests or timber on the land. This class includes land held under leasehold title with special conditions attached for designated Aboriginal and Torres Strait Islander communities.

Multiple-use public forest – Publicly owned state forest, timber reserves and other land on which a range of forest values are managed by state and territory government agencies in accordance with relevant Acts and regulations. The forest values can include provision of wood for harvest, supply of water, conservation of biodiversity, recreation, and environmental protection.

Nature conservation reserve – Crown land that is formally reserved for environmental, conservation and recreational purposes, including national parks, nature reserves, state and territory recreation and conservation areas, and some formal reserves in state forests as defined by jurisdictions. It does not include informal reserves and those pending gazettal. The commercial harvesting of wood and non-wood forest products is generally not permitted in nature conservation reserves.

Other Crown land – Crown land reserved for a variety of purposes, including utilities, scientific research, education, stock routes, mining, water-supply catchments, and use by Indigenous communities. Includes Crown land that is unreserved of unallocated. Excludes leasehold forest, nature conservation reserve, and multiple-use public forest.

Private forest – Land held under freehold title and typically under private ownership. It excludes leased Crown land, but includes land held under freehold title with special conditions attached for designated Indigenous communities.

Unresolved tenure – Land where data are insufficient to determine land ownership status.

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[1] agriculture.gov.au/abares/forestsaustralia/glossary

FOR_CODE.LUT (Forest Code lookup table)

Forest code (FOR_CODE)	NFI Forest type (FOR_TYPE)	NFI Forest category (FOR_CAT)	Forest Formation
0	Non forest	Non forest	Non forest
1	Acacia	Native forest	Acacia Low Woodland
2	Acacia	Native forest	Acacia Medium Woodland
3	Acacia	Native forest	Acacia Tall Woodland
4	Acacia	Native forest	Acacia Low Open
5	Acacia	Native forest	Acacia Medium Open
6	Acacia	Native forest	Acacia Tall Open
7	Acacia	Native forest	Acacia Low Closed
8	Acacia	Native forest	Acacia Medium Closed
9	Acacia	Native forest	Acacia Tall Closed
10	Other native forest	Native forest	Banksia Low Woodland
11	Other native forest	Native forest	Banksia Medium Woodland
12	Other native forest	Native forest	Banksia Low Open
13	Other native forest	Native forest	Banksia Medium Open
14	Other native forest	Native forest	Banksia Low Closed
15	Other native forest	Native forest	Banksia Medium Closed
16	Callitris	Native forest	Callitris Low Woodland
17	Callitris	Native forest	Callitris Medium Woodland
18	Callitris	Native forest	Callitris Tall Woodland
19	Callitris	Native forest	Callitris Low Open
20	Callitris	Native forest	Callitris Medium Open
21	Callitris	Native forest	Callitris Tall Open
22	Callitris	Native forest	Callitris Low Closed
23	Callitris	Native forest	Callitris Medium Closed
24	Callitris	Native forest	Callitris Tall Closed
25	Casuarina	Native forest	Casuarina Low Woodland
26	Casuarina	Native forest	Casuarina Low Open
27	Casuarina	Native forest	Casuarina Low Closed
28	Casuarina	Native forest	Casuarina Medium Woodland
29	Casuarina	Native forest	Casuarina Medium Open
30	Casuarina	Native forest	Casuarina Medium Closed
31	Casuarina	Native forest	Casuarina Tall Woodland
32	Casuarina	Native forest	Casuarina Tall Open
33	Casuarina	Native forest	Casuarina Tall Closed
34	Eucalypt Mallee Woodland	Native forest	Eucalypt Mallee Low Woodland
35	Eucalypt Mallee Woodland	Native forest	Eucalypt Mallee Medium Woodland
36	Eucalypt Mallee Woodland	Native forest	Eucalypt Mallee Tall Woodland
37	Eucalypt Mallee Open	Native forest	Eucalypt Mallee Low Open
38	Eucalypt Mallee Open	Native forest	Eucalypt Mallee Medium Open
39	Eucalypt Mallee Open	Native forest	Eucalypt Mallee Tall Open
40	Eucalypt Low Woodland	Native forest	Eucalypt Low Woodland
41	Eucalypt Medium Woodland	Native forest	Eucalypt Medium Woodland
42	Eucalypt Tall Woodland	Native forest	Eucalypt Tall Woodland
43	Eucalypt Low Open	Native forest	Eucalypt Low Open

Forest code (FOR_CODE)	NFI Forest type (FOR_TYPE)	NFI Forest category (FOR_CAT)	Forest Formation
44	Eucalypt Medium Open	Native forest	Eucalypt Medium Open
45	Eucalypt Tall Open	Native forest	Eucalypt Tall Open
46	Eucalypt Low Closed	Native forest	Eucalypt Low Closed
47	Eucalypt Medium Closed	Native forest	Eucalypt Medium Closed
48	Eucalypt Tall Closed	Native forest	Eucalypt Tall Closed
49	Other native forest	Native forest	Leptospermum Low Woodland
50	Other native forest	Native forest	Leptospermum Medium Woodland
51	Other native forest	Native forest	Leptospermum Tall Woodland
52	Other native forest	Native forest	Leptospermum Low Open
53	Other native forest	Native forest	Leptospermum Medium Open
54	Other native forest	Native forest	Leptospermum Tall Open
55	Other native forest	Native forest	Leptospermum Low Closed
56	Other native forest	Native forest	Leptospermum Medium Closed
57	Other native forest	Native forest	Leptospermum Tall Closed
58	Mangrove	Native forest	Mangrove Low Woodland
59	Mangrove	Native forest	Mangrove Low Open
60	Mangrove	Native forest	Mangrove Low Closed
61	Mangrove	Native forest	Mangrove Medium Woodland
62	Mangrove	Native forest	Mangrove Medium Open
63	Mangrove	Native forest	Mangrove Medium Closed
64	Melaleuca	Native forest	Melaleuca Low Woodland
65	Melaleuca	Native forest	Melaleuca Low Open
66	Melaleuca	Native forest	Melaleuca Low Closed
67	Melaleuca	Native forest	Melaleuca Medium Woodland
68	Melaleuca	Native forest	Melaleuca Medium Open
69	Melaleuca	Native forest	Melaleuca Medium Closed
70	Melaleuca	Native forest	Melaleuca Tall Woodland
71	Melaleuca	Native forest	Melaleuca Tall Open
72	Melaleuca	Native forest	Melaleuca Tall Closed
73	Other native forest	Native forest	Mixed Low Woodland
74	Other native forest	Native forest	Mixed Low Open
75	Other native forest	Native forest	Mixed Low Closed
76	Other native forest	Native forest	Mixed Medium Woodland
77	Other native forest	Native forest	Mixed Medium Open
78	Other native forest	Native forest	Mixed Medium Closed
79	Other native forest	Native forest	Mixed Tall Woodland
80	Other native forest	Native forest	Mixed Tall Open
81	Other native forest	Native forest	Mixed Tall Closed
82	Other native forest	Native forest	Other Low Woodland
83	Other native forest	Native forest	Other Low Open
84	Other native forest	Native forest	Other Low Closed
85	Other native forest	Native forest	Other Medium Woodland
86	Other native forest	Native forest	Other Medium Open
87	Other native forest	Native forest	Other Medium Closed
88	Other native forest	Native forest	Other Tall Woodland
89	Other native forest	Native forest	Other Tall Open
90	Other native forest	Native forest	Other Tall Closed
91	Hardwood plantation	Commercial plantation	Plantation Hardwood

Forest code (FOR_CODE)	NFI Forest type (FOR_TYPE)	NFI Forest category (FOR_CAT)	Forest Formation
92	Softwood plantation	Commercial plantation	Plantation Softwood
93	Mixed species plantation	Commercial plantation	Plantation Mixed
94	Unknown species plantation	Commercial plantation	Plantation Unknown
95	Rainforest	Native forest	Rainforest Low Open
96	Rainforest	Native forest	Rainforest Low Closed
97	Rainforest	Native forest	Rainforest Medium Open
98	Rainforest	Native forest	Rainforest Medium Closed
99	Rainforest	Native forest	Rainforest Tall Open
100	Rainforest	Native forest	Rainforest Tall Closed
101	Other native forest	Native forest	Unknown native forest
102	Other forest - unallocated type#	Other forest	Other forest#

#May include planted forests not deemed commercially viable, sandalwood and environmental plantings.

COVER.LUT (Forest crown cover class lookup table)

COVER code	Forest crown cover	Description
1	20–50%	Woodland forest
2	>50–80%	Open forest
3	>80%	Closed forest
4	n.a.	Plantation
5	≥20%	Unknown
6	<20%	Non-forest

n.a., not applicable

HEIGHT.LUT (Forest height class lookup table)

HEIGHT code	Forest height class	Description
1	2–10 metres	Low
2	>10–30 metres	Medium
3	>30 metres	Tall
4	n.a.	Plantation
5	≥2 metres	Unknown
6	<2 metres	Non-forest

n.a., not applicable