Appendix A

Comparison of international Montreal Process indicators with Australia’s national indicators

In reporting on the state of its forests, Australia uses the seven criteria developed in 1995 by the international-level Montreal Process Working Group on Criteria and Indicators for the Conservation and Sustainable Management of Temperate and Boreal Forests (Montreal Process Working Group 2009a, 2009b). Indicators are nested under each of these criteria.

In 1998, the national-level Montreal Process Implementation Group for Australia (MIG), which comprises representatives of the Australian Government and state and territory governments, adapted the Montreal Process set of indicators to better suit reporting on Australia’s unique forests. However, some of Australia’s original set of indicators proved difficult to measure, and some overlapped. In 2006, MIG reviewed the indicators and reduced the list used in Australia to 44 (Commonwealth of Australia 2008). This set of 44 national indicators underpinned SOFR 2008 and again underpins SOFR 2013.

Table A1 shows the alignment of Australia’s 44 national indicators with the 54 international indicators of the Montreal Process.

<table>
<thead>
<tr>
<th>International Montreal Process criteria and indicators</th>
<th>Australian indicator(s) with which each Montreal Process indicator aligns</th>
<th>Australia’s criteria and indicators</th>
<th>Montreal Process indicator(s) with which each Australian indicator aligns</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Criterion 1 Conservation of biological diversity</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>1.1 Ecosystem diversity</strong></td>
<td>Strong alignment Partial alignment</td>
<td>Strong alignment</td>
<td></td>
</tr>
<tr>
<td>1.1.a Area and percent of forest by forest ecosystem type, successional stage, age class, and forest ownership or tenure</td>
<td>1.1a 1.1b</td>
<td>1.1 a</td>
<td></td>
</tr>
<tr>
<td>1.1.b Area and percent of forest in protected areas by forest ecosystem type, and by age class or successional stage</td>
<td>1.1c 1.1b</td>
<td></td>
<td>1.1b</td>
</tr>
<tr>
<td>1.1.c Fragmentation of forests</td>
<td>1.1d</td>
<td>1.1c</td>
<td></td>
</tr>
<tr>
<td><strong>1.2 Species diversity</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.2.a Number of native forest associated species</td>
<td>– 1.2a</td>
<td>–</td>
<td>1.2 a</td>
</tr>
<tr>
<td>1.2.b Number and status of native forest associated species at risk, as determined by legislation or scientific assessment</td>
<td>1.2b –</td>
<td>1.2 b</td>
<td></td>
</tr>
<tr>
<td>1.2.c Status of on site and off site efforts focused on conservation of species diversity</td>
<td>– –</td>
<td>1.2 c</td>
<td></td>
</tr>
<tr>
<td><strong>1.3 Genetic diversity</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1.3.a Number and geographic distribution of forest associated species at risk of losing genetic variation and locally adapted genotypes</td>
<td>1.3a –</td>
<td>1.3a</td>
<td>1.3 c</td>
</tr>
<tr>
<td>1.3.b Population levels of selected representative forest associated species to describe genetic diversity</td>
<td>– 1.2c</td>
<td>1.3 b</td>
<td></td>
</tr>
<tr>
<td>1.3.c Status of on site and off site efforts focused on conservation of genetic diversity</td>
<td>– 1.3a 1.3b</td>
<td>1.3 c</td>
<td></td>
</tr>
</tbody>
</table>
### Criterion 2 Maintenance of productive capacity of forest ecosystems

<table>
<thead>
<tr>
<th>Indicator number</th>
<th>Indicator name</th>
<th>Strong alignment</th>
<th>Partial alignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.a</td>
<td>Area and percent of forest land and net areas of forest land available for wood production</td>
<td>2.1a</td>
<td>–</td>
</tr>
<tr>
<td>2.b</td>
<td>Total growing stock and annual increment of both merchantable and non-merchantable tree species in forests available for wood production</td>
<td>2.1a</td>
<td>–</td>
</tr>
<tr>
<td>2.c</td>
<td>Area, percent, and growing stock of plantations of native and exotic species</td>
<td>2.1b</td>
<td>–</td>
</tr>
<tr>
<td>2.d</td>
<td>Annual harvest of wood products by volume and as a percentage of net growth or sustained yield</td>
<td>2.1c</td>
<td>–</td>
</tr>
<tr>
<td>2.e</td>
<td>Annual harvest of non-wood forest products</td>
<td>2.1d</td>
<td>–</td>
</tr>
</tbody>
</table>

### Criterion 3 Maintenance of ecosystem health and vitality

<table>
<thead>
<tr>
<th>Indicator number</th>
<th>Indicator name</th>
<th>Strong alignment</th>
<th>Partial alignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.a</td>
<td>Area and percent of forest affected by biotic processes and agents (e.g. disease, insects, invasive species) beyond reference conditions</td>
<td>3.1a</td>
<td>–</td>
</tr>
<tr>
<td>3.b</td>
<td>Area and percent of forest affected by abiotic agents (e.g. fire, storm, land clearance) beyond reference conditions</td>
<td>3.1a 3.1b</td>
<td>–</td>
</tr>
</tbody>
</table>

### Criterion 4 Conservation and maintenance of soil and water resources

#### 4.1 Protective function

<table>
<thead>
<tr>
<th>Indicator number</th>
<th>Indicator name</th>
<th>Strong alignment</th>
<th>Partial alignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1.a</td>
<td>Area and percent of forest whose designation or land management focus is the protection of soil or water resources</td>
<td>4.1a</td>
<td>–</td>
</tr>
</tbody>
</table>

#### 4.2 Soil

<table>
<thead>
<tr>
<th>Indicator number</th>
<th>Indicator name</th>
<th>Strong alignment</th>
<th>Partial alignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2.a</td>
<td>Proportion of forest management activities that meet best management practices or other relevant legislation to protect soil resources</td>
<td>4.1b 4.1c</td>
<td>–</td>
</tr>
<tr>
<td>4.2.b</td>
<td>Area and percent of forest land with significant soil degradation</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

#### 4.3 Water

<table>
<thead>
<tr>
<th>Indicator number</th>
<th>Indicator name</th>
<th>Strong alignment</th>
<th>Partial alignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.3.a</td>
<td>Proportion of forest management activities that meet best management practices, or other relevant legislation, to protect water related resources</td>
<td>4.1d 4.1e</td>
<td>–</td>
</tr>
<tr>
<td>4.3.b</td>
<td>Area and percent of water bodies, or stream length, in forest areas with significant change in physical, chemical or biological properties from reference conditions</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

### Criterion 5 Maintenance of forest contribution to global carbon cycles

<table>
<thead>
<tr>
<th>Indicator number</th>
<th>Indicator name</th>
<th>Strong alignment</th>
<th>Partial alignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.a</td>
<td>Total forest ecosystem carbon pools and fluxes</td>
<td>5.1a</td>
<td>–</td>
</tr>
<tr>
<td>5.b</td>
<td>Total forest product carbon pools and fluxes</td>
<td>5.1a</td>
<td>–</td>
</tr>
<tr>
<td>5.c</td>
<td>Avoided fossil fuel carbon emissions by using forest biomass for energy</td>
<td>– 5.1a</td>
<td>–</td>
</tr>
</tbody>
</table>
Table A1: Alignment of the international Montreal Process indicators with Australia’s national indicators used in SOFR 2013 continued

<table>
<thead>
<tr>
<th>International Montreal Process criteria and indicators</th>
<th>Australia's criteria and indicators</th>
<th>Montreal Process indicator(s) with which each Australian indicator aligns</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1 Production and consumption</td>
<td>6.1</td>
<td>6.1a Value and volume of wood and wood products production, including primary and secondary processing</td>
</tr>
<tr>
<td>6.1.a Value and volume of wood and wood products production, including primary and secondary processing</td>
<td>6.1a</td>
<td>–</td>
</tr>
<tr>
<td>6.1.b Value of non-wood forest products produced or collected</td>
<td>6.1b</td>
<td>–</td>
</tr>
<tr>
<td>6.1.c Revenue from forest based environmental services</td>
<td>6.1c</td>
<td>–</td>
</tr>
<tr>
<td>6.1.d Total and per capita consumption of wood and wood products in round wood equivalents</td>
<td>6.1d</td>
<td>–</td>
</tr>
<tr>
<td>6.1.e Total and per capita consumption of non-wood products</td>
<td>6.1e</td>
<td>–</td>
</tr>
<tr>
<td>6.1.f Value and volume in round wood equivalents of exports and imports of wood products</td>
<td>6.1f</td>
<td>–</td>
</tr>
<tr>
<td>6.1.g Value of exports and imports of non-wood products</td>
<td>6.1g</td>
<td>–</td>
</tr>
<tr>
<td>6.1.h Exports as a share of wood and wood products production and imports as a share of wood and wood products consumption</td>
<td>6.1h</td>
<td>–</td>
</tr>
<tr>
<td>6.1.i Recovery or recycling of forest products as a percent of total forest products consumption</td>
<td>6.1i</td>
<td>–</td>
</tr>
<tr>
<td>6.2 Investment in the forest sector</td>
<td>6.2</td>
<td>6.2a Investment and expenditure in forest management</td>
</tr>
<tr>
<td>6.2.a Value of capital investment and annual expenditure in forest management, wood and non-wood product industries, forest-based environmental services, recreation and tourism</td>
<td>6.2a</td>
<td>–</td>
</tr>
<tr>
<td>6.2.b Annual investment and expenditure in forest-related research, extension and development, and education</td>
<td>6.2b</td>
<td>–</td>
</tr>
<tr>
<td>6.3 Employment and community needs</td>
<td>6.3</td>
<td>6.3a Direct and indirect employment in the forest sector</td>
</tr>
<tr>
<td>6.3.a Employment in the forest sector</td>
<td>6.3a</td>
<td>–</td>
</tr>
<tr>
<td>6.3.b Average wage rates, annual average income and annual injury rates in major forest employment categories</td>
<td>6.3b</td>
<td>–</td>
</tr>
<tr>
<td>6.3.c Resilience of forest-dependent communities</td>
<td>6.3c</td>
<td>–</td>
</tr>
<tr>
<td>6.3.d Area and percent of forests used for subsistence purposes</td>
<td>6.3d</td>
<td>–</td>
</tr>
<tr>
<td>6.3.e Distribution of revenues derived from forest management</td>
<td>6.3e</td>
<td>–</td>
</tr>
<tr>
<td>6.4 Recreation and tourism</td>
<td>6.4</td>
<td>6.4a Area of forest available for public recreation/ tourism</td>
</tr>
<tr>
<td>6.4.a Area and percent of forests available and/or managed for public recreation and tourism</td>
<td>6.4a</td>
<td>–</td>
</tr>
<tr>
<td>6.4.b Number, type, and geographic distribution of visits attributed to recreation and tourism and related to facilities available</td>
<td>6.4b</td>
<td>–</td>
</tr>
<tr>
<td>6.5 Employment and community needs</td>
<td>6.5</td>
<td>6.5a Wage and injury rates within the forest sector</td>
</tr>
<tr>
<td>6.5.a Direct and indirect employment in the forest sector</td>
<td>6.5a</td>
<td>–</td>
</tr>
<tr>
<td>6.5.b Wage and injury rates within the forest sector</td>
<td>6.5b</td>
<td>–</td>
</tr>
<tr>
<td>6.5.c Resilience of forest dependent communities to changing social and economic conditions</td>
<td>6.5c</td>
<td>–</td>
</tr>
<tr>
<td>6.5.d Resilience of forest dependent Indigenous communities to changing social and economic conditions</td>
<td>6.5d</td>
<td>–</td>
</tr>
<tr>
<td>6.3 Recreation and tourism</td>
<td>6.3</td>
<td>6.3a Area of forest available for public recreation/ tourism</td>
</tr>
<tr>
<td>6.3.a Area of forest available for public recreation/ tourism</td>
<td>6.3a</td>
<td>–</td>
</tr>
<tr>
<td>6.3.b Range and use of recreation/ tourism activities available</td>
<td>6.3b</td>
<td>–</td>
</tr>
</tbody>
</table>
Table A1: Alignment of the international Montreal Process indicators with Australia’s national indicators used in SOFR 2013

<table>
<thead>
<tr>
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<th>Australian indicator(s) with which each Montreal Process indicator aligns</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Criterion 6 Maintenance and enhancement of long-term multiple socio-economic benefits to meet the needs of societies continued</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>6.5</td>
<td>Cultural, social and spiritual needs and values</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.5.a</td>
<td>Area and percent of forests managed primarily to protect the range of cultural, social and spiritual needs and values</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>6.4a</td>
<td>6.4b</td>
<td></td>
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<tr>
<td></td>
<td>6.5.a</td>
<td>6.5.b</td>
<td></td>
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<tr>
<td>6.5.b</td>
<td>The importance of forests to people</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>6.4a</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>6.4</td>
<td>Cultural, social and spiritual needs and values</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.4a</td>
<td>Area of forest to which Indigenous people have use and rights that protect their special values and are recognised through formal and informal management regimes</td>
<td></td>
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<tr>
<td></td>
<td>6.5.a</td>
<td>–</td>
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<tr>
<td>6.4b</td>
<td>Registered places of non-Indigenous cultural value in forests that are formally managed to protect those values</td>
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<tr>
<td></td>
<td>6.5.a</td>
<td>–</td>
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<tr>
<td>6.4c</td>
<td>The extent to which Indigenous values are protected, maintained and enhanced through Indigenous participation in forest management</td>
<td></td>
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<tr>
<td></td>
<td>6.5.a</td>
<td>–</td>
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<tr>
<td>6.4d</td>
<td>The importance of forests to people</td>
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<td></td>
<td>6.5.b</td>
<td>–</td>
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<tr>
<td><strong>Criterion 7 Legal, institutional and economic framework for forest conservation and sustainable management</strong></td>
<td></td>
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<tr>
<td>7.1.a</td>
<td>Legislation and policies supporting the sustainable management of forests</td>
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<tr>
<td>7.1a</td>
<td>7.1b</td>
<td></td>
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<tr>
<td>7.1b</td>
<td>Cross-sectoral policy and programme coordination</td>
<td></td>
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<tr>
<td>–</td>
<td>7.1a</td>
<td>7.1b</td>
<td></td>
</tr>
<tr>
<td>7.2.a</td>
<td>Taxation and other economic strategies that affect the sustainable management of forests</td>
<td></td>
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<tr>
<td>7.1c</td>
<td>–</td>
<td></td>
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</tr>
<tr>
<td>7.3.a</td>
<td>Clarity and security of land and resource tenure and property rights</td>
<td></td>
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<tr>
<td>–</td>
<td>7.1a</td>
<td></td>
<td></td>
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<tr>
<td>7.3b</td>
<td>Enforcement of laws related to forests</td>
<td></td>
<td></td>
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<tr>
<td>–</td>
<td>7.1a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.4.a</td>
<td>Programmes, services and other resources supporting the sustainable management of forests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>–</td>
<td>7.1b</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.4.b</td>
<td>Development and application of research and technologies for the sustainable management of forests</td>
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<tr>
<td>7.1e</td>
<td>–</td>
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<tr>
<td>7.5.a</td>
<td>Partnerships to support the sustainable management of forests</td>
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<tr>
<td>7.5.b</td>
<td>Public participation and conflict resolution in forest-related decision making</td>
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<td>–</td>
<td>7.1b</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.5.c</td>
<td>Monitoring, assessment and reporting on progress towards sustainable management of forests</td>
<td></td>
<td></td>
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<tr>
<td>7.1d</td>
<td>–</td>
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</tr>
</tbody>
</table>

– = no such alignment
### Glossary

Numbers separate alternative definitions or uses.

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition and use in SOFR 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abiotic</td>
<td>Used in reference to the non-biological components of the environment (e.g. climate, soil and water).</td>
</tr>
<tr>
<td>Above-ground biomass</td>
<td>All living biomass above the soil, including stump, stem, bark, branches, foliage and seeds, and attached material such as dead branches. See Below ground biomass, Biomass.</td>
</tr>
<tr>
<td>Acacia</td>
<td>As a national forest type, forest dominated by trees of the genus Acacia.</td>
</tr>
<tr>
<td>Acidification</td>
<td>Increasing levels of acidity—for example, in soil—that can damage soil and vegetation.</td>
</tr>
<tr>
<td>Adaptive capacity (human)</td>
<td>Ability, or potential, of a community or individual to modify or change their characteristics or behaviour to cope better with change or stresses.</td>
</tr>
<tr>
<td>Afforestation</td>
<td>Establishment of forest on land not previously forested. The Kyoto Protocol and initiatives such as the Carbon Farming Initiative use specific definitions of afforestation. See Deforestation, Forest, Reforestation.</td>
</tr>
<tr>
<td>Age class</td>
<td>Group of trees of a similar age; for example, plantations established between 1990 and 1994 are in a five-year age class.</td>
</tr>
<tr>
<td>Aggregated retention</td>
<td>A silvicultural system in which clumps or clusters of trees are retained in forest stands harvested for wood. A form of variable retention. See Silvicultural practices / systems, Variable retention.</td>
</tr>
<tr>
<td>Agroforestry</td>
<td>See Farm forestry.</td>
</tr>
<tr>
<td>Amortisation</td>
<td>Allocation of the cost of an intangible asset (such as goodwill) over its service life.</td>
</tr>
<tr>
<td>Apical dominance</td>
<td>Growth habit of a shoot whereby growth and development of lateral buds are suppressed.</td>
</tr>
<tr>
<td>Arboretum</td>
<td>A collection of living trees brought together at a single site at least partly for observation and scientific study. Plural: arboreta.</td>
</tr>
<tr>
<td>Below-ground biomass</td>
<td>All biomass of live roots in the soil. (Fine roots are often excluded from measurement because it is difficult to separate these from soil organic matter.) See Above ground biomass, Biomass.</td>
</tr>
<tr>
<td>Biodiversity; Biological diversity</td>
<td>The variety of all life forms, plants, animals and microorganisms, their genes and the ecosystems they inhabit. See Ecosystem diversity, Genetic diversity, Species diversity.</td>
</tr>
<tr>
<td>Bioenergy</td>
<td>A form of energy derived from biomass, when biomass is used to generate electricity or heat or to produce liquid fuels for transport. See Biofuel, Biomass.</td>
</tr>
<tr>
<td>Biofuel</td>
<td>An energy source based on organisms and their products such as wood and plant matter, algae, or animal fats. See Bioenergy.</td>
</tr>
<tr>
<td>Biogeographic</td>
<td>Relating to the study of the distribution of living things.</td>
</tr>
<tr>
<td>Biological diversity</td>
<td>See Biodiversity.</td>
</tr>
<tr>
<td>Biomass</td>
<td>1. Material of biological origin (plant and other).</td>
</tr>
<tr>
<td></td>
<td>2. Organic material located both above-ground and below-ground, and both living and dead—for example, trees, grasses, litter, roots and soil organic matter (for purposes of carbon accounting).</td>
</tr>
<tr>
<td>Biome</td>
<td>A large, regional ecological unit, usually defined by some dominant vegetative pattern.</td>
</tr>
<tr>
<td>Bioregion</td>
<td>A large, geographically distinct area that has a common climate, geology, landform, and vegetation and animal communities. See IBRA.</td>
</tr>
<tr>
<td>Biotic</td>
<td>Used in reference to the biological components of the environment (e.g. plants, animals and other organisms).</td>
</tr>
<tr>
<td>Term</td>
<td>Definition and use in SOFR 2013</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Broadscale clearing</td>
<td>Clearing of large tracts of native vegetation. See <em>Forest clearing, Land clearing.</em></td>
</tr>
<tr>
<td>Bushfire</td>
<td>Fire started naturally (such as by lightning), accidentally or deliberately (such as by arson), but not in accordance with planned fire management prescriptions. See <em>Unplanned fire, Wildfire.</em></td>
</tr>
<tr>
<td>Bushland</td>
<td>A general term in Australia for natural vegetation, covering any kind of habitat from open, shrubby country with scattered trees, to tall, closed forests.</td>
</tr>
<tr>
<td>Callitris</td>
<td>As a national forest type, forest dominated by trees of the genus <em>Callitris.</em></td>
</tr>
<tr>
<td>Canopy</td>
<td>Uppermost layer of a forest comprising tree crowns, branches and leaves.</td>
</tr>
<tr>
<td>CAR reserve system</td>
<td>A reserve system based on the three principles of Comprehensiveness, Adequacy and Representativeness, and which include: the full range of vegetation communities (comprehensive); ensuring that the level of reservation is large enough to maintain species diversity, as well as community interaction and evolution (adequate); and conserving the diversity within each vegetation community, including genetic diversity (representative). The CAR reserve system is made up of dedicated reserves, informal reserves and areas where values are protected by prescription. Dedicated, or formal, reserves are set aside for conservation through areas such as national parks. Informal forest reserves are areas set aside for conservation purposes in forests that are otherwise production forests, such as special protection zones in state forests. Areas where values are protected by prescription within production forests are those that cannot be practically protected by formal or informal reservation (e.g. riparian vegetation or rare and dispersed values). See <em>Vegetation community.</em></td>
</tr>
<tr>
<td>Carbon accounting</td>
<td>Estimation of the amount of carbon stored in an ecosystem and changes in this amount.</td>
</tr>
<tr>
<td>Carbon credit</td>
<td>A tradable certificate, permit or legal instrument, deriving from a verified reduction of one unit (one tonne) of carbon dioxide emissions (or equivalent), and tradable to offset one unit (one tonne) of carbon dioxide emissions (or equivalent).</td>
</tr>
<tr>
<td>Carbon sequestration</td>
<td>Removal of carbon from the atmosphere and its storage in vegetation, soils or elsewhere.</td>
</tr>
<tr>
<td>Carbon sink</td>
<td>A carbon reservoir or pool that has the capacity to accumulate carbon.</td>
</tr>
<tr>
<td>Carbon source</td>
<td>A carbon reservoir or pool that has the capacity to release carbon.</td>
</tr>
<tr>
<td>Carbon stock</td>
<td>Quantity of carbon in a carbon reservoir or pool.</td>
</tr>
<tr>
<td>Carbon store</td>
<td>A carbon reservoir or pool.</td>
</tr>
<tr>
<td>Casuarina</td>
<td>As a national forest type, forest dominated by any of four genera in the family Casuarinaceae; in practice, forest dominated by trees of the genera * Allocasuarina * or * Casuarina.*</td>
</tr>
<tr>
<td>Certification</td>
<td>See <em>Forest certification.</em></td>
</tr>
<tr>
<td>Certified forest</td>
<td>A forest that has been certified by a third party to comply with the requirements of a credible and recognised forest management standard. See <em>Forest certification.</em></td>
</tr>
<tr>
<td>Chain of custody</td>
<td>A process of verifying the origin and supply of wood or timber product through the supply chain to a point of market. Generally, this applies to products from forests with forest certification or where products are legally harvested. See <em>Forest certification.</em></td>
</tr>
<tr>
<td>Chlorosis</td>
<td>Yellowing or whitening of leaf tissue due to a lack of chlorophyll, typically caused by disease, changed drainage, plant nutrient deficiencies, or damage to or compaction of roots.</td>
</tr>
<tr>
<td>Clearfelling</td>
<td>A silvicultural system in which all (or nearly all) trees in an area are harvested in one operation, such that more than half of the harvested area is greater than one tree height from a retained forest edge. See <em>Silvicultural practices / systems.</em></td>
</tr>
<tr>
<td>Clone</td>
<td>Identical copies of a plant produced by tissue culture or vegetative reproduction.</td>
</tr>
<tr>
<td>Closed forest</td>
<td>Forest in which the tree crown cover ranges from 80% to 100%. See <em>Crown cover.</em></td>
</tr>
<tr>
<td>CO₂-equivalent (CO₂-e)</td>
<td>Measurement unit for the effect in the atmosphere of greenhouse gases relative to the effect of a unit of carbon dioxide (CO₂).</td>
</tr>
<tr>
<td>Code of forest practice</td>
<td>A set of principles, procedures, guidelines and standards that defines and prescribes minimum acceptable practices in harvesting and associated forestry operations.</td>
</tr>
<tr>
<td>Commerciality</td>
<td>The expected volume yield of commercial sawlog or veneer log (or high-value equivalents) that is available over the long term, based on good silvicultural practices. Derives from the combination of merchantability and productivity.</td>
</tr>
<tr>
<td>Term</td>
<td>Definition and use in SOFR 2013</td>
</tr>
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</tr>
</tbody>
</table>
| Community | 1. Biological: a naturally occurring group of species inhabiting a particular area and interacting with each other, especially through biological relationships, relatively independently of other communities.  
2. Human: a group of people associated with a particular place. |
| Community adaptive capacity (human) | See Adaptive capacity, Community (definition 2). |
| Community resilience (human) | The capacity of an individual, community or human system to absorb and respond to shocks while sustaining an acceptable level of function, structure, and identity. See Community (definition 2). |
| Compaction | See Soil compaction. |
| Compliance audit | An audit of compliance to an environmental standard, silvicultural practice, or code of practice prescriptions. See Code of forest practice, Forest certification. |
| Conifer | Taxon in the order Pinales (formerly Coniferales), a group of gymnosperms with characteristic reproductive structures called cones; includes Araucariaceae (araucaria family), Cupressaceae (cypress family), Pinaceae (pine family) and Podocarpaceae (podocarp family). See Pine, Softwood. |
| Connectivity | The degree of vegetation structural links between forest patches in a landscape, which facilitate or impede species movement across habitat within the landscape context. |
| Conservation reserve | Area of land specially set aside to protect some inherent environmental value. Development in, and use of, conservation reserves is usually restricted to activities that are compatible with conservation of the environmental values for which the reserve was declared. Conservation reserves include national parks, conservation parks and nature reserves, and informal reserves. See Nature conservation reserve (Public). |
| Consumer Price Index (CPI) | Index that measures changes in the price of a ‘basket’ of goods and services that account for a high proportion of expenditure by a CPI population group (e.g. metropolitan households). |
| Consumption | Production plus imports minus exports of a commodity or group of commodities. |
| Cording | The practice of placing large (5–30 centimetre diameter) woody material on extraction tracks before harvesting, to minimise soil erosion. See Matting. |
| Criterion | A category of conditions or processes by which sustainable forest management may be assessed. A criterion is characterised by a set of related indicators that are monitored periodically to assess change. Plural: criteria. See Indicator, Montreal Process. |
| Critically endangered species / ecological community | Native species / ecological community facing an extremely high risk of extinction in the wild in the immediate future. One of the categories of threatened species / ecological communities defined in sections 179 and 182 of the Environment Protection and Biological Conservation Act 1999. See Ecological community, Endangered species / ecological community, Extinct, Extinct in the wild, Threatened ecological community, Threatened species, Vulnerable species / ecological community. |
| Crown cover | The area of ground covered by tree canopies, ignoring overlaps and gaps within individual canopies. |
| Crown density | Measure of crown cover. |
| Crown land | Land belonging to the Crown, being a national, state or territory government, including Crown land under private leasehold title. See Leasehold land, Other Crown land, Public land. |
| Deforestation | 1. A type of land clearing involving the permanent removal of tree cover.  
2. The direct, human-induced removal of forest cover and replacement with pasture, crops or other uses on land that was forest on 01 January 1990 (relates to the Kyoto Protocol). |
| Degradation | 1. Destruction of specific aspects of a forest ecosystem, such as a decrease in tree cover, changes in structure, a reduction in the number of species, or the loss of habitat characteristics that support the requirements of species or communities, short of being defined as deforestation.  
2. Reduction in the capacity of a forest to provide a range of goods and services. |
<p>| Dieback | A symptom of disease agents or environmental factors in which foliage dies progressively from the extremities and trees exhibit loss of vigour; commonly used in reference to native forests affected by cinnamon fungus (Phytophthora cinnamomi), woodland forests affected by salinity, forest affected by drought or changed nutrient or water regimes or fire regimes, or trees subjected to overgrazing. |</p>
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition and use in SOFR 2013</th>
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<tbody>
<tr>
<td>Direct employment</td>
<td>The number of jobs in public and private agencies and firms relating to the process of producing a good or service. Any secondary economic activity resulting from the primary activity is included in indirect employment. See indirect employment.</td>
</tr>
<tr>
<td>Dry forest / dry sclerophyll forest</td>
<td>Typically, eucalypt-dominated sclerophyll forest associated with water-limited or nutrient-limited conditions, and with an understorey (if present) of sclerophyll trees or shrubs. Ground cover can be bare, litter, grassy or heathy. See Eucalypt, Sclerophyll, Wet forest / wet sclerophyll forest.</td>
</tr>
<tr>
<td>Ecological community</td>
<td>A group of plants, animals and other organisms that are interacting in a habitat. See Community (definition 1).</td>
</tr>
<tr>
<td>Ecological and/or ecosystem resilience</td>
<td>See Resilience.</td>
</tr>
<tr>
<td>Ecologically mature</td>
<td>Displaying a range of structural, function and compositional attributes associated with the ecological processes characteristic of forests in their mature or senescent growth stages. See Mature, Old-growth.</td>
</tr>
<tr>
<td>Ecologically sustainable forest management</td>
<td>The integration of commercial and non-commercial values of forests so that the welfare of society (both material and non-material) is improved, while ensuring that the values of forests, both as a resource for commercial use and for conservation, are not lost or degraded for current and future generations. See Sustainable forest management.</td>
</tr>
<tr>
<td>Ecologically sustainable use</td>
<td>Use of natural resources within their capacity to sustain natural processes, while maintaining the life-support systems of nature and ensuring that the benefit of the use to the present generation does not diminish the potential to meet the needs and aspirations of future generations.</td>
</tr>
<tr>
<td>Ecosystem</td>
<td>A dynamic complex of plant, animal and microorganism communities and their non-living environment, interacting as a functional unit.</td>
</tr>
<tr>
<td>Ecosystem diversity</td>
<td>The diversity of different ecological communities formed by living organisms and the relations among them. See Biodiversity, Genetic diversity, Species diversity.</td>
</tr>
<tr>
<td>Ecosystem services</td>
<td>The provision of benefits (goods and services) that society obtains from ecosystems, and the contributions that ecosystems make to human well being, arising from both biotic and abiotic processes and their interaction.</td>
</tr>
<tr>
<td>Ecotourism</td>
<td>Tourism that features places of ecological interest, such as forests, and experience of the environment.</td>
</tr>
<tr>
<td>Edge effect</td>
<td>1. The effect of non-forest environmental influences on adjoining forest land. 2. The effect of forest environmental influences on adjoining non-forested land.</td>
</tr>
<tr>
<td>Endemic</td>
<td>Species of plant or animal that occurs naturally only in a specified region or country. See Exotic, Indigenous (of species), Introduced species.</td>
</tr>
<tr>
<td>End-use market</td>
<td>The final market in which a product or service is ultimately consumed.</td>
</tr>
<tr>
<td>Environmental asset</td>
<td>1. A part or feature of the natural environment that provides environmental or ecosystem functions or services. 2. In Australia’s System of National Accounts, one of four environmental assets (land, significant subsoil assets, plantation timber, or native standing timber available for exploitation) that are under the control of an economic agent, and measurable (valued in monetary terms). See Ecosystem services.</td>
</tr>
<tr>
<td>Environmental compliance</td>
<td>Conforming to specified requirements in environmental laws, regulations, environmental management systems, management plans, planning specifications, codes of practice, standards and prescription guidelines. See Code of forest practice, Environmental management system.</td>
</tr>
<tr>
<td>Environmental management system</td>
<td>A framework for the systematic management of an organisation’s environmental obligations and objectives.</td>
</tr>
<tr>
<td>Term</td>
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</tr>
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<td>-------------------------------------------</td>
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<tr>
<td>Environmental planting</td>
<td>In a forest context, trees established for environmental benefit (not industrial benefit) by direct seeding or planting that have the potential to attain a crown cover of at least 20% and a height of at least 2 metres.</td>
</tr>
<tr>
<td></td>
<td>See Industrial plantation, Other forest, Plantation.</td>
</tr>
<tr>
<td>Environmental service</td>
<td>See Ecosystem services.</td>
</tr>
<tr>
<td>Eucalypt</td>
<td>1. Any member of three genera (Angophora, Corymbia and Eucalyptus) of trees or large shrubs in the family Myrtaceae, mostly native to Australia.</td>
</tr>
<tr>
<td></td>
<td>2. As a national forest type, forest dominated by any of the three genera Angophora, Corymbia and Eucalyptus.</td>
</tr>
<tr>
<td>Even-aged forest</td>
<td>Forest in which all trees are about the same age or of the same age class, even though they may vary in size because of their different rates of growth.</td>
</tr>
<tr>
<td></td>
<td>See Uneven-aged forest.</td>
</tr>
<tr>
<td>Exclusion zone</td>
<td>Forest excluded from harvest or management operations as a result of the application of a prescription in a code of practice (for fire, forest or reserve management).</td>
</tr>
<tr>
<td>Exotic</td>
<td>Species of plant or animal that does not occur naturally in a region or country.</td>
</tr>
<tr>
<td></td>
<td>See Indigenous (of species), Introduced species.</td>
</tr>
<tr>
<td>Ex-situ conservation</td>
<td>The conservation of species and genetic components of biological diversity outside their natural habitats.</td>
</tr>
<tr>
<td></td>
<td>See In-situ conservation.</td>
</tr>
<tr>
<td>Extinct</td>
<td>A species for which there is no reasonable doubt that the last individual has died, or for which exhaustive surveys in known or expected habitats throughout its historical range have failed to record an individual over a timeframe appropriate to its lifecycle and form. One of the categories of threatened species defined by sections 179 of the Environment Protection and Biological Conservation Act 1999.</td>
</tr>
<tr>
<td>Extinct in the wild</td>
<td>A species known to survive in only cultivation, in captivity or as a naturalised population well outside its past range, and that has not been recorded in its known and/or expected habitat, at appropriate seasons, anywhere in its past range, despite exhaustive surveys over a time frame appropriate to its life cycle and form. One of the categories of threatened species defined by sections 179 of the Environment Protection and Biological Conservation Act 1999.</td>
</tr>
<tr>
<td>Farm forestry</td>
<td>Establishment and/or management of trees or forests on agricultural landscapes for commercial, aesthetic and/or environmental reasons. Also known as agroforestry.</td>
</tr>
<tr>
<td>Fibreboard</td>
<td>A category of reconstituted wood-panel products made from pulpwood and/or wood-processing residues such as woodchips, sawmill shavings and sawdust plus a resin or binder, pressed into panels. Types of fibreboard (in order of increasing density) include particleboard, medium-density fibreboard (MDF), high-density fibreboard and hardboard.</td>
</tr>
<tr>
<td>Fire regime</td>
<td>The frequency, intensity, seasonality and scale of burning of an area or vegetation type over a period of time. The history or forecast of fire events or fire use in a particular area or vegetation type.</td>
</tr>
<tr>
<td>Firewood</td>
<td>Wood used for residential heating.</td>
</tr>
<tr>
<td></td>
<td>See Fuelwood.</td>
</tr>
<tr>
<td>Floriculture</td>
<td>Cultivation of flowering and ornamental plants.</td>
</tr>
<tr>
<td>Floristics</td>
<td>Study of the distribution and relationships of plants over a geographic area.</td>
</tr>
<tr>
<td>Forest</td>
<td>An area, incorporating all living and non-living components, that is dominated by trees having usually a single stem and a mature or potentially mature stand height exceeding 2 metres and with existing or potential crown cover of overstorey strata about equal to or greater than 20%. This includes Australia’s diverse native forests and plantations, regardless of age. It is also sufficiently broad to encompass areas of trees that are sometimes described as woodlands.</td>
</tr>
<tr>
<td>Forest certification</td>
<td>A process whereby the quality of sustainable forest management is assessed and certified by a third party, against the criteria of a credible and recognised forest management standard.</td>
</tr>
<tr>
<td></td>
<td>See Certified forest.</td>
</tr>
<tr>
<td>Forest clearing</td>
<td>Conversion of forested land to agricultural, urban or other non-forest land uses.</td>
</tr>
<tr>
<td></td>
<td>See Broadscale clearing, Land clearing.</td>
</tr>
<tr>
<td>Forest-dependent community (human)</td>
<td>A community having an identified dependence on the forest and wood products industries.</td>
</tr>
<tr>
<td></td>
<td>See Community (definition 2).</td>
</tr>
<tr>
<td>Forest-dependent species</td>
<td>A species that requires a forest habitat for at least part of its lifecycle, and that could not survive or reproduce in the absence of this habitat.</td>
</tr>
<tr>
<td>Forest-dwelling species</td>
<td>A species that may use a forest habitat for at least part of its lifecycle.</td>
</tr>
<tr>
<td>Forest health</td>
<td>The sum of the ecosystem processes (energy, nutrient, hydrological and biological processes) that together maintain the vitality of a forest ecosystem.</td>
</tr>
<tr>
<td>Term</td>
<td>Definition and use in SOFR 2013</td>
</tr>
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</tr>
</tbody>
</table>
| Forest land                 | Land carrying forest.  
  See Forest.                                                                                                                                                                                                                     |
| Forest management           | A system of practices for conservation, stewardship and productive use of forest land, aimed at fulfilling relevant ecological, economic and social functions and objectives of the forest.                                            |
| Forest management plan      | A long-term, documented plan for a forest area that contains defined management goals, objectives and outcomes, which are monitored and periodically reviewed, and that expressly includes the management of forest. Management plans can take many forms, including forest management plans; natural resource, environment and water catchment management plans that cover and include a focus on forests; and strategic management planning systems required for forest certification. |
| Forest operations           | Operational forest management activities, independent of forest type or tenure.                                                                                                                                                   |
| Forestry operations         | Operational forest management activities related to wood production.                                                                                                                                                              |
| Formal reserve              | See CAR reserve system.                                                                                                                                                                                                             |
| Fragmentation               | 1. The degree of loss of spatial connectivity between forest areas.  
  2. The process of loss of spatial connectivity between forest areas.  
  See Connectivity.                                                                                                                                                         |
| Free-on-board value         | The value of goods to the seller at the point of loading goods onto transport to overseas markets, excluding transport and insurance costs.                                                                                               |
| Fuel load                   | The total amount of combustible material in a defined area.                                                                                                                                                                           |
| Fuelwood                    | Wood or wood products used as industrial fuel or for bioenergy production.  
  See Bioenergy, Firewood.                                                                                                                                                                                                   |
| Gall                        | A proliferation of modified plant tissue caused by various parasites, from fungi and bacteria to insects and mites.                                                                                                                  |
| Genetic diversity           | The diversity of genetic information within and between individual species.  
  See Biodiversity, Ecosystem diversity, Species diversity.                                                                                                                                                                      |
| Genetic resources           | Material of plant, animal, microbial or other origin that contains functional units of heredity and that has actual or potential value for humanity.                                                                                                                                       |
| Genotype                    | The genetic constitution or makeup of an organism.                                                                                                                                                                                 |
| Geographic information      | A system for capturing, storing, analysing and managing data and associated attributes that are spatially referenced to the surface of the Earth.                                                                                                         |
| Geospatial                  | Relating to the relative position of features on the surface of the Earth.                                                                                                                                                             |
| Girder                      | A specialised, large-dimensioned timber product, usually in squared-end form, that is used in building bridges, wharves and the framework of large buildings.                                                                                                                                  |
| Global carbon cycle         | The movement of carbon between different parts of the Earth and its atmosphere, including the storage of carbon in those parts.                                                                                                           |
| Graft                       | A method of plant propagation, whereby a bud, shoot or tissue of one plant is joined with another plant.                                                                                                                                |
| Greenhouse gas              | Gas that affects the temperature of the Earth’s surface and climate, including water vapour, ozone, chlorofluorocarbons, carbon dioxide, methane and nitrous oxide. National inventories report anthropogenic emissions and removals of greenhouse gases not controlled by the Montreal Protocol on Substances that Deplete the Ozone Layer. |
| Green Triangle              | A region comprising in whole or in part 17 local government areas straddling the state border in south-west Victoria and south-east South Australia, and containing significant areas of plantation and dependent wood-processing facilities. |
| Greenwood                   | 1. Wood freshly harvested that has not been dried.  
  2. Wood from live sandalwood that meets a specified quality standard and size.                                                                                                                                             |
| Gross domestic product      | The total market value of goods and services produced in a country in a given period, after deducting the cost of intermediate goods and services used in production (but not deducting allowances for the consumption of fixed capital, or depreciation).  
  ‘Gross domestic product’ is the sum of the value added by each industry across the economy.  
  ‘Industry value added’ is the value added by a particular sector.  
  See Industry value added.                                                                                                                                                                                                 |
<p>| Gross value of production   | Value placed on production at the wholesale prices realised in the marketplace (where the marketplace refers to local consumption, export, or a point before value-adding by a secondary industry). Gross value of production provides a value for products that do not have a final market price. |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Group selection</td>
<td>A silvicultural system in which groups (small patches or stands) of trees are harvested, allowing for subsequent regeneration and leading to a forest comprising patches of differently aged trees. See Selection logging, Silvicultural practices / systems.</td>
</tr>
<tr>
<td>Growing stock</td>
<td>The living tree component of the standing volume in a forest at a given time. See Standing volume.</td>
</tr>
<tr>
<td>Gymnosperm</td>
<td>A plant, such as a cycad or conifer, the seeds of which are not enclosed within an ovary. See Conifer.</td>
</tr>
<tr>
<td>Habitat</td>
<td>The environment where a plant, animal or ecological community normally lives or occurs. See Ecological community.</td>
</tr>
<tr>
<td>Hardwood</td>
<td>Wood or wood products from flowering trees (broadleaved tree species), such as eucalypts, irrespective of the physical hardness of the wood; also used to refer to the trees that have such wood, and plantations of such trees.</td>
</tr>
<tr>
<td>Harvested wood products</td>
<td>Wood products originating from harvested trees and removed from harvest areas for use or further processing.</td>
</tr>
</tbody>
</table>
| Harvesting                                | 1. As part of forest management, cutting (felling) of trees to produce wood products.  
2. Collection (gathering) of non-wood forest products. |
<p>| Heathland                                 | A shrubland habitat found mainly on low-quality acidic soils and characterised by open low-growing woody vegetation. It forms extensive and highly diverse communities across Australia in humid and sub-humid areas. Heathland above 2 metres tall can also be classified as other woody vegetation. See Other woody vegetation, Shrubland. |
| Hybridisation                             | The process of crossing different breeds or cultivars of a single plant species, or crossing plants of different taxa (subspecies, species or genera). Hybridisation can occur naturally between closely related species. |
| IBRA (Interim Biogeographic Regionalisation for Australia) | A set of 85 bioregions within the Australian landmass, used as the basis for the National Reserve System's planning framework and some state-based reporting. |
| Indicator                                 | A measure or measurement of an aspect of a criterion. A quantitative or qualitative variable that can be measured or described and that, when observed periodically, demonstrates trends. See Criterion, Montreal Process. |
| Indigenous (of people)                    | Of Aboriginal or Torres Strait Islander descent.                                           |
| Indigenous (of species)                   | Species of plant or animal that occurs naturally in a specified region or country. See Endemic, Exotic. |
| Indigenous co-managed (of lands)          | Lands that are owned and managed by non-Indigenous parties, but have formal, legally binding agreements in place to include Indigenous people in the process of developing and implementing management plans. See Indigenous managed (of lands), Indigenous owned and managed (of lands), Other special rights (of lands). |
| Indigenous estate (land or forest)        | Land or forest that is Indigenous owned and managed, Indigenous managed, Indigenous co-managed, or subject to Other special rights. |
| Indigenous Land Use Agreement             | A voluntary agreement between Native Title parties and other people.                       |
| Indigenous managed (of lands)             | Lands that are managed but not owned by Indigenous communities (e.g. Crown reserves and leases), and lands that are owned by Indigenous people, but have formal shared management agreements with Australian or state and territory government agencies. See Indigenous co-managed (of lands), Indigenous owned and managed (of lands), Other special rights (of lands). |
| Indigenous owned and managed (of lands)   | Freehold lands that are both owned and managed by Indigenous communities. See Indigenous co-managed (of lands), Indigenous managed (of lands), Other special rights (of lands). |
| Indigenous Protected Area                 | An area of Indigenous-owned land or sea where traditional owners have entered into an agreement with the Australian Government to promote biodiversity and cultural resource conservation. See Protected area. |
| Indirect employment                       | The number of jobs in secondary economic activity resulting directly from a primary economic activity, in provision of materials, supplies, goods and services to support the primary activity, and generated or supported in retail and service sectors by the spending of salaries and wages of individuals and families included in direct employment. See Direct employment. |
| Industrial plantation                     | Hardwood or softwood plantation supplying log resources to the wood-processing industries as reported through the National Plantation Inventory. See Other forest, Plantation. |</p>
<table>
<thead>
<tr>
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<th>Definition and use in SOFR 2013</th>
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</thead>
<tbody>
<tr>
<td>Industry value added</td>
<td>The value added by an industry to the inputs used by that industry; the contribution of that industry to Gross domestic product. For SOFR 2013, ‘Industry value added’ excludes some downstream parts of the forestry, wood and paper products industries, particularly wholesaling, retailing and value-adding (including the manufacturing of some commodities). See Gross domestic product.</td>
</tr>
<tr>
<td>Informal reserve</td>
<td>Reserve on public land protected through an administrative instrument by a public agency. See CAR reserve system.</td>
</tr>
<tr>
<td>In-situ conservation</td>
<td>The conservation of species and genetic components of biological diversity in their natural habitats. See Ex-situ conservation.</td>
</tr>
<tr>
<td>Integrated pest management</td>
<td>A pest control strategy that uses an array of complementary methods, such as natural predators and parasites, pest-resistant varieties, cultural practices, biological controls, various physical techniques and chemicals.</td>
</tr>
<tr>
<td>Introduced species</td>
<td>A species of plant or animal occurring outside its natural range (past or present) and dispersal potential—that is, outside the range it occupies naturally or could occupy without direct or indirect introduction or care by humans. See Exotic, Indigenous (of species)</td>
</tr>
<tr>
<td>Introgression</td>
<td>The movement of a gene or genes from the gene pool of one species into the gene pool of another by hybridisation or cross-breeding. See Hybridisation.</td>
</tr>
<tr>
<td>Jurisdictions</td>
<td>The Commonwealth, states and territories of Australia, in each of which its own system of laws has authority.</td>
</tr>
<tr>
<td>Key threatening process</td>
<td>A threatening process listed under the Environment Protection and Biodiversity Conservation Act 1999. See Threatening process.</td>
</tr>
<tr>
<td>Land clearing</td>
<td>Removal of vegetation to convert land to another land use. See Broadscale clearing, Forest clearing.</td>
</tr>
<tr>
<td>Leasehold forest</td>
<td>Forest on Crown land held under leasehold title for a specific term and purpose and generally regarded as privately managed, including land held under leasehold title with special conditions attached for designated Indigenous communities. See Crown land, Leasehold land, Leasehold title.</td>
</tr>
<tr>
<td>Leasehold land</td>
<td>Crown land held under leasehold title for a specific term and purpose and generally regarded as privately managed, including land held under leasehold title with special conditions attached for designated Indigenous communities. See Crown land, Leasehold title.</td>
</tr>
<tr>
<td>Leasehold title</td>
<td>Land title held under a contract by which one party conveys the land to another for a specified time and purpose, usually in return for a periodic payment.</td>
</tr>
<tr>
<td>LiDAR (Light Detection and Ranging)</td>
<td>A technology that uses laser (light) pulses from (most commonly) an aircraft to collect information on terrain and vegetation features (such as tree height), based on the return time of pulses back to the sensor.</td>
</tr>
<tr>
<td>Litter</td>
<td>The uppermost layer of the forest floor consisting chiefly of fallen leaves, wooden debris and other decaying organic matter.</td>
</tr>
<tr>
<td>Log landing</td>
<td>A cleared area where harvested logs are laid or piled in stacks after being gathered from the site or sites of felling, and before transport to the wood processing facility.</td>
</tr>
<tr>
<td>Mallee</td>
<td>1. A woody plant, usually a eucalypt, that is multi-stemmed from ground level, and without a prescribed upper or lower height limit.</td>
</tr>
<tr>
<td></td>
<td>2. A forest dominated by mallee species.</td>
</tr>
<tr>
<td>Managed investment scheme (MIS)</td>
<td>Scheme associated with primary production (e.g. plantation forestry) that satisfies the definition of ‘managed investment scheme’ in s. 9 of the Corporations Act 2001 and fulfils associated regulatory requirements.</td>
</tr>
<tr>
<td>Managed losses</td>
<td>Losses of carbon directly from forests to the atmosphere that are associated with the management of forests—for example, prescribed burns, post-harvest burnings, and burning of debris associated with land-clearing.</td>
</tr>
<tr>
<td>Management effectiveness</td>
<td>A measure of how well a protected area, or system of protected areas, is being managed in terms of protecting values and achieving goals and objectives, based on an audit process or evaluation.</td>
</tr>
</tbody>
</table>
**Mangrove**
1. A tree, shrub, palm or ground fern that normally grows above mean sea level in the intertidal zone of coastal environments and estuarine margins.
2. The tidal habitat comprising mangrove trees and shrubs.
3. A national forest type comprising mangroves.

**Matting**
The practice of placing small (less than 5 centimetre diameter) woody material on extraction tracks before harvesting to protect soil against heavy vehicle traffic and minimise soil erosion.

See **Cording**.

**Mature**
1. A native forest growth stage in which trees are at maximum height and the crowns at full lateral development.
2. A native forest growth stage, generally taken as 80 or more years since disturbance. One of four growth stages used at the national level to describe the age of trees and stands of trees.

See **Apical dominance, Ecologically mature, Regrowth, Senescent**.

**Medium-density fibreboard (MDF)**
See **Fibreboard**.

**Melaleuca**
As a national forest type, forest dominated by trees of the genus *Melaleuca*.

**Merchantability**
The suitability of a tree species for pulp, sawlog, or speciality wood products. An emphasis is placed on commercial production of sawlogs or high-value equivalents.

**Merchantable tree species**
A tree species or provenance with known commercial uses for wood products, based on standards, technology or market conditions.

See **Non-merchantable tree species**.

**MODIS (Moderate-resolution Imaging Spectroradiometer)**
A remote-sensing technology carried on two Earth Observing System satellites, capturing data covering the visual and infrared spectrum and imaging the entire Earth every 1–2 days.

**Monitoring**
The periodic and systematic measurement and assessment of a value, attribute or indicator.

**Montane**
Ecosystems associated with mountain landscapes, alpine environments or higher elevations.

**Montreal Process (the Montreal Process Working Group on Criteria and Indicators for the Conservation and Sustainable Management of Temperate and Boreal Forests)**
An initiative by the Montreal Process Working Group of (currently 12) countries, which has developed and is implementing a comprehensive set of criteria and indicators for the conservation and sustainable management of temperate and boreal forests. Australia is a member of the working group.

See **Criterion, Indicator**.

**Mosaic (of vegetation)**
Vegetation composed of patches of different types, perhaps arising from periodic disturbance (such as fire or wood harvesting) or related to differences in soil or landform.

**Multi-leaders (of trees)**
A condition in trees where the apical dominance of the shoot at the top of the plant is lost, allowing lateral buds to grow into two or more stems or leaders.

See **Apical dominance**.

**Multiple Lines of Evidence approach**
Compilation of data from a range of different sources, followed by assessment and validation to arrive at a best-possible dataset.

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

**National forest type**
Any one of eight broad forest types in which Australia’s forests are categorised in the National Forest Inventory for the purpose of reporting and analysis (Acacia, Calitris, Casuarina, Eucalypt, Mangrove, Melaleuca, Rainforest, and Other native forest).

**Native**
Of a species, located within its natural range.

See **Non-native**.

**Native forest**
Forest that is dominated by the suite of native tree species naturally associated with forest in that location and located within their natural range, and that is not a plantation.

**Nature conservation reserve (Public)**
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 formal reserves in state forests. It does not include informal reserves and those pending gazettal. The commercial harvesting of wood and non-wood forest products is generally not permitted.

See **Conservation reserve, Crown land**.

**Non-forest**
Vegetation communities and habitats that are not forest, including marine environments, alpine meadows, other woody vegetation (including open woodland, heathland and shrubland), grassland, non-forest waterways and wetlands, rock outcrops, mudflats and farmland.

See **Forest, Habitat, Other woody vegetation, Vegetation community**.
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition and use in SOFR 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-forest land</td>
<td>Land that does not carry forest. See Forest land.</td>
</tr>
<tr>
<td>Non-merchantable tree species</td>
<td>A tree species or provenance with no currently known commercial uses for wood products, based on standards, technology or market conditions. See Merchantable tree species.</td>
</tr>
<tr>
<td>Non-native</td>
<td>Of a species, located outside its natural range. See Native.</td>
</tr>
<tr>
<td>Non-production native forest</td>
<td>Native forest that is not managed for commercial wood production.</td>
</tr>
<tr>
<td>Non-vascular plant</td>
<td>A plant without a water-conducting system, including algae, liverworts and mosses.</td>
</tr>
<tr>
<td>Non-wood forest product</td>
<td>A product of biological origin, other than wood, derived from forests, including game animals, seeds, berries, chemical products, mushrooms, oils, foliage, medicinal plants, flowers, fodder, and wood and non-wood Indigenous artefacts.</td>
</tr>
<tr>
<td>Old-growth forest</td>
<td>Ecologically mature forest where the effects of disturbances are now negligible. See Ecologically mature, Mature.</td>
</tr>
<tr>
<td>Open forest</td>
<td>Forest in which tree crown cover ranges from 50% to less than 80%. See Crown cover.</td>
</tr>
<tr>
<td>Other forest</td>
<td>Non-industrial plantations and planted forests that are not reported through the National Plantation Inventory but satisfy the definition of forest; it includes farm forestry and agroforestry plantations, sandalwood plantations, environmental plantings, plantations within the reserve system, and plantations regarded as no commercially viable. Non-planted forests dominated by introduced species are also included in this category. See Forest, Industrial plantation, Plantation.</td>
</tr>
<tr>
<td>Other native forest</td>
<td>A national native forest type comprising forest types of minor extent such as Agonis, Atalaya, Banksia, Hakea, Grevillea, Heterodendron, Leptospermum, Lophostemon and Syncarpia (named after their dominant genera), as well as native forests where the type is unknown. See Forest, Native forest.</td>
</tr>
<tr>
<td>Other special rights (of lands)</td>
<td>Lands subject to Native Title determinations and active Indigenous Land Use Agreements. These are independent of tenure and, in most cases, do not grant ownership or management rights of land to Indigenous communities. They can provide for the right to access areas of cultural significance, or a legal requirement for consultation with the local Indigenous community before any major development activities take place. See Indigenous co-managed (of lands), Indigenous managed (of lands), Indigenous owned and managed (of lands).</td>
</tr>
<tr>
<td>Other woody vegetation</td>
<td>A non-forest vegetation type: open woodland, heathland or shrubland generally containing a tree component with actual or potential tree height greater than 2 metres, but either actual or potential tree canopy crown cover of 5–20% or combined cover of shrubs and trees greater than 10% but cover of trees less than 20%. See Crown cover, Heathland, Shrubland.</td>
</tr>
<tr>
<td>Overstorey</td>
<td>1. The uppermost layer of foliage in a forest.</td>
</tr>
<tr>
<td></td>
<td>2. Trees occupying the uppermost layer in a forest of more than one layer (storey).</td>
</tr>
<tr>
<td>Parasitoid</td>
<td>An organism that spends a significant proportion of its life attached to or within a single host organism, which it ultimately kills (and often consumes).</td>
</tr>
<tr>
<td>Particleboard</td>
<td>A panel product made by compressing wood particles (usually from softwood) and resin under heat and pressure, commonly used in flooring and joinery. See Fibreboard.</td>
</tr>
<tr>
<td>Patch</td>
<td>Basic unit of a landscape mosaic.</td>
</tr>
<tr>
<td>Pattern</td>
<td>The spatial arrangement or configuration of forest across the landscape.</td>
</tr>
<tr>
<td>Peeler log</td>
<td>A pulpwood or low-quality sawlog meeting specifications for peeling—that is, suitable for rotary peeling to produce veneer for structural-grade plywood.</td>
</tr>
<tr>
<td>Photosynthesis</td>
<td>A process in plants in which energy from sunlight and carbon dioxide from the air are used to produce plant matter, releasing oxygen.</td>
</tr>
<tr>
<td>Pile</td>
<td>A specialised round wood product that meets specified durability requirements and is used principally for wharves and to support the framework of buildings in a marine environment.</td>
</tr>
<tr>
<td>Term</td>
<td>Definition and use in SOFR 2013</td>
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<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Pine                      | 1. A tree of the genus *Pinus* in the family Pinaceae.  
2. Also refers to a tree of other conifer families, e.g. Araucariaceae, Cupressaceae and Podocarpaceae.  
See Conifer, Softwood.                                                                                       |
| Planned fire              | Fire started in accordance with a fire management plan or planned burning program, such as fuel-reduction burning.  
See Prescribed burn.                                                                                         |
| Plantation                | Intensively managed stand of trees of either native or exotic species, created by the regular placement of seedlings or seeds.  
See Environmental planting, Industrial plantation, Other forest.                                               |
| Plant community           | See Community (definition 1), Vegetation community.                                                                                                             |
| Planted forest            | Forest comprising planted trees. The ‘Industrial plantation’ and ‘Other forest’ categories (excluding forests of naturalised exotic species) comprise Australian ‘planted forest’. |
| Plywood                   | A panel product made by gluing together veneers of wood under heat and pressure, commonly used in construction and joinery.  
See Veneer.                                                                                                 |
| Pole                      | A specialised round wood product generally treated with preservatives that is used to support transmission lines or as structural members in pole-frame building construction. |
| Post                      | A specialised wood product from durable hardwood or treated softwood species that is used in an upright support role and meeting specifications for a range of functions.       |
| Prescribed burn           | Fire started in accordance with a fire management plan or planned burning program, such as fuel-reduction burning.  
See Planned fire.                                                                                           |
| Private forest            | Forest on land held under freehold title and typically under private ownership. It excludes leased Crown land, and includes land held under freehold title with special conditions attached for designated Indigenous communities. |
| Privately managed forest  | Forest that is managed under private ownership (including private land managed by the Crown), as well as privately managed leasehold forest and Indigenous managed forests.           |
| Productivity              | 1. Capacity of an ecosystem to grow, produce or yield products.  
2. Amount of growth or product yield per unit area per unit time.  
3. Potential annual volume growth of trees per unit area at peak mean annual increment in fully stocked forest stands. |
| Protected area            | 1. General definition: a geographically defined area that is designated or regulated and managed to achieve specific conservation objectives (Article 2, Convention on Biological Diversity).  
2. Specific definitions for reserve system: an area of land and/or sea especially dedicated to the protection and maintenance of biological diversity, and of natural and associated cultural resources, and managed through legal or other effective means (IUCN definition); a clearly defined geographical space, recognised, dedicated and managed, through legal or other effective means, to achieve the long-term conservation of nature with associated ecosystem services and cultural values (revised IUCN definition).  
See Indigenous Protected Area.                                                                                 |
| Provenance                | 1. The place of origin of a plant or animal.  
2. A set of individuals of a plant or animal species that originate from a particular location.                                                               |
| Public forest             | See Publicly managed forest.                                                                                                                                      |
| Public land               | Land belonging to the Crown, i.e. a government, but excluding leasehold Crown land.  
| Publicly managed forest   | 1. Forest on public land for which management responsibility has generally been delegated to government agencies, including multiple-use forests, nature conservation reserves and other Crown land, but excluding leasehold forest.  
2. Any forest on Crown land for which management responsibility has been delegated to government agencies, local governments or other instrumentalities.  
<p>| Pullog                    | A log harvested from a plantation or native forest stand that does not meet sawlog quality specifications and is designated to produce pulpwood.                             |
| Pulpwood                  | Wood used to manufacture pulp or paper products.                                                                                                                  |
| Rainforest                | A national forest type that is dominated by rainforest species, typically in moist to wet or sheltered environments, and with broad-leaved species. Can include areas with up to 30% cover of non-rainforest species, typically as emergents, but where rainforest species dominate the character of the site. |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Reconstituted wood products</td>
<td>Products manufactured from reconstituted wood fibres or flakes, originating from sources such as woodchips, sawdust, wood shavings or sawmill off-cuts. Includes fibreboard (particleboard, medium-density fibreboard, high-density fibreboard and hardboard) and laminated products (but not laminated veneer).</td>
</tr>
<tr>
<td>Recycling</td>
<td>The collection, separation and processing of previously used and recovered wood fibre and wood and paper products for manufacture into raw materials or new products.</td>
</tr>
<tr>
<td>Reforestation</td>
<td>Establishment of forest on land that historically contained forest but was converted to some other use, such as agriculture. The Kyoto Protocol and initiatives such as the Carbon Farming Initiative use specific definitions of reforestation. See Forest.</td>
</tr>
</tbody>
</table>
| Regeneration                    | 1. A native forest growth stage that includes juvenile and sapling stages, where trees are very small and crowns exhibit apical dominance.  
2. A native forest growth stage generally taken as less than 20 years since disturbance. One of four growth stages used at the national level to describe the age of trees and stands of trees.  
3. New trees arising naturally or with human assistance after harvesting, fire or other causes have removed all or some of the overstorey. See Apical dominance, Mature, Regrowth, Senescent. |
| Regional Forest Agreement       | An agreement between the Australian Government and a state government about the long-term management and use of forests in a region that meets the requirements now listed in the Regional Forest Agreements Act 2002. |
| Regrowth                        | 1. A native forest growth stage in which trees generally have well-developed stems with crowns of small branches and are actively growing in height and diameter, but are below mature stand height. Apical dominance is apparent in vigorous trees.  
2. A native forest growth stage generally taken as 20–80 years since disturbance. One of four growth stages used at the national level to describe the age of trees and stands of trees. See Apical dominance, Mature, Regeneration, Senescent. |
<p>| Remote sensing                  | Practice of acquiring and using data from satellites or aircraft to infer or measure land cover, land use and vegetation parameters. May be used in combination with ground surveys to check the accuracy of interpretation. |
| Re-sawing                       | Cutting timber along the grain to reduce larger boards into smaller sections.                                                                                                                                                                    |
| Research and development        | Investigative work conducted to acquire knowledge, apply knowledge, develop or implement new products or procedures, or make significant improvements to existing products or procedures.                                                                 |
| Resilience (ecological and ecosystem) | The capacity of an ecological system to absorb and respond to shocks while retaining essentially the same function, structure and feedbacks, and therefore identity.                                                                                           |
| Resolution (image)              | Measurement of the output quality or detail of an image, usually given as pixel size (the size of the square areas recorded). Higher resolution means more image detail and smaller pixels; for example, an image with 1 m × 1 m pixels is of higher resolution than an image with 1,000 m × 1,000 m pixels. |
| Riparian zone                   | The interface between land and a flowing water body such as a stream or river. Plant communities along perennial watercourses are called ‘riparian vegetation’. See Community (definition 1), Vegetation community. |
| River regulation                | The control or modification of the natural flow of a river or stream, most commonly by the use of dams.                                                                                                                                          |
| Rotation                        | The planned number of years between regeneration or establishment of a stand of trees, and final harvesting. Rotation length is used in forest management planning to determine sustainable yield. See Harvesting, Regeneration. |
| Roundwood                       | Wood in round form, e.g. sawlogs, pullogs, poles, piles, girders and posts.                                                                                                                                                                     |
| Rural dieback                   | See Dieback.                                                                                                                                                                                                                                     |
| Rut                             | A depression or groove worn into a snig track, path or road by machinery or erosion by water. Typically, rutting is reported in terms of rut depth. See Snig Track.                                                                                      |
| Salinity / salinisation         | The amount of salt in water or soil. Salinisation is the process of increasing salinity levels, such as occurs in soils and streams when saline groundwater rises towards the surface following clearing of forests for farmland. |
| Salvage harvesting              | The harvest of trees that are dead or dying as a result of insect attack, disease, drought, fire or other factors.                                                                                                                             |
| Sandalwood                      | A native tree (e.g. Santalum spicatum, S. lanceolatum) or exotic tree (e.g. S. album) in the family Santalaceae, which yields fragrant timber and oil.                                                                                                   |</p>
<table>
<thead>
<tr>
<th>Term</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Sawlog</td>
<td>Log used to manufacture sawn timber. High-quality sawlogs are sawlogs meeting specified size and grade specifications (including amount of permissible defect). Low-quality sawlogs are sawlogs not meeting high-quality sawlog specifications.</td>
</tr>
<tr>
<td>Sawlog</td>
<td>Log used to manufacture sawn timber. High-quality sawlogs are sawlogs meeting specified size and grade specifications (including amount of permissible defect). Low-quality sawlogs are sawlogs not meeting high-quality sawlog specifications.</td>
</tr>
<tr>
<td>Sawmill</td>
<td>A wood-processing facility in which logs are sawn by specialised machinery into timber such as boards.</td>
</tr>
<tr>
<td>Sawn timber</td>
<td>Timber produced by sawing logs into particular sizes; also called ‘sawn wood’.</td>
</tr>
<tr>
<td>Sawn wood</td>
<td>See Sawn timber.</td>
</tr>
<tr>
<td>Sclerophyll</td>
<td>A description of plants or vegetation that have tough leaves, such as eucalypts and acacias, adapted to dry or nutrient-poor conditions.</td>
</tr>
<tr>
<td>Seed orchard</td>
<td>A stand planted and managed especially for the production of abundant superior seeds.</td>
</tr>
<tr>
<td>Seed tree</td>
<td>A tree left standing in a harvested area for the purpose of providing seed for regeneration.</td>
</tr>
<tr>
<td>Seed-tree silviculture</td>
<td>A silvicultural system in which trees are retained in a harvested area to provide seed for natural regeneration. See Silvicultural practices / systems.</td>
</tr>
<tr>
<td>Selection logging</td>
<td>A silvicultural system in which trees, typically above a certain specified size or growth stage, are removed singly or in groups, while regrowth, pole timber or habitat trees are retained to maintain an uneven-aged forest. See Group selection, Silvicultural practices / systems, Single-tree/small group selection.</td>
</tr>
<tr>
<td>Term</td>
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</tr>
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<td>------------------------------------------------</td>
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</tr>
<tr>
<td>Species diversity</td>
<td>The variety of species in an ecosystem. See Biodiversity, Ecosystem diversity, Genetic diversity.</td>
</tr>
<tr>
<td>Standing volume</td>
<td>The volume (excluding branches) above stump height of living or dead standing trees.</td>
</tr>
<tr>
<td>Statistical local area (SLA)</td>
<td>Base spatial unit at which the Australian Bureau of Statistics collects statistics across Australia.</td>
</tr>
<tr>
<td>Stocking</td>
<td>Stand density measured in a number of ways: number of trees, basal area, volume, or percentage of crown closure. Can apply to stocking of retained trees after harvest, or to adequacy of seedlings, regeneration or planted stock to establish stands of trees.</td>
</tr>
<tr>
<td>Streamflow</td>
<td>Movement of water along streams, rivers and other watercourses, especially expressed as volume of flow.</td>
</tr>
<tr>
<td>Subspecies</td>
<td>A taxonomically recognised subdivision of a species.</td>
</tr>
<tr>
<td>Sustainable development</td>
<td>Development that meets current needs without compromising the ability of future generations to meet their own needs.</td>
</tr>
<tr>
<td>Sustainable forest management</td>
<td>1. A set of objectives, activities and outcomes consistent with maintaining or improving the forest's ecological integrity and contributing to people's wellbeing now and in the future.</td>
</tr>
<tr>
<td></td>
<td>2. The practice of stewardship and use of forests and forest lands in such a way, and at a rate, that maintains their biodiversity, productivity, regeneration capacity and vitality, and their potential to fulfil, now and in the future, relevant ecological, economic and social functions at local, national and global levels, and that does not cause damage to other ecosystems. See Ecologically sustainable forest management.</td>
</tr>
<tr>
<td>Sustainable yield</td>
<td>Yield of forest products (e.g. wood, water) that ensures that the functioning of the forest ecosystem as a whole is maintained and the flow of products continues indefinitely under a given management strategy and suite of sustainable-use objectives.</td>
</tr>
<tr>
<td>Taxon</td>
<td>A taxonomic unit in the classification of plants or animals (e.g. a subspecies, species or genus). Plural: taxa.</td>
</tr>
<tr>
<td>Tenure</td>
<td>Title to land as controlled by legislation. See Land tenure.</td>
</tr>
<tr>
<td>Threat</td>
<td>A natural, human-induced or human-exacerbated factor or process that increases the risk to a species of population reduction or extinction, or that creates a significant risk to the persistence or integrity of an ecological community. See Ecological community, Threatening process.</td>
</tr>
<tr>
<td>Threatened ecological community</td>
<td>An ecological community listed in any one of the following categories defined in section 182 of the Environment Protection and Biodiversity Conservation Act 1999: critically endangered, endangered or vulnerable. See Critically endangered species / ecological community, Ecological community, Endangered species / ecological community, Vulnerable species / ecological community.</td>
</tr>
<tr>
<td>Threatened species</td>
<td>A species of native flora or fauna that is listed in any one of the following categories defined in section 179 of the Environment Protection and Biodiversity Conservation Act 1999: extinct, extinct in the wild, critically endangered, endangered or vulnerable. See Critically endangered species / ecological community, Endangered species / ecological community, Extinct, Extinct in the wild, Vulnerable species / ecological community.</td>
</tr>
<tr>
<td>Threatening process</td>
<td>1. A process that threatens, or may threaten, the survival, abundance or evolutionary development of a native species or ecological community (section 188 of the Environment Protection and Biodiversity Conservation Act 1999).</td>
</tr>
<tr>
<td></td>
<td>2. A natural, human-induced or human-exacerbated process that increases the risk to a species of population reduction or extinction, or is a significant risk to the persistence or integrity of an ecological community.</td>
</tr>
<tr>
<td></td>
<td>3. A process identified as a historical, current or future threat in listing or conservation advice of a threatened ecological community or species. See Ecological community, Key threatening process, Threat.</td>
</tr>
<tr>
<td>Timber</td>
<td>Products square or rectangular in cross-section that are sawn from logs of variable lengths, and conform to industry grades, standards or specifications.</td>
</tr>
<tr>
<td>Translocation</td>
<td>The deliberate transfer of plant material from one area to another for the purpose of conservation. The plant material may be in the form of plants, seeds, cuttings or propagated seedlings.</td>
</tr>
<tr>
<td>Turbidity</td>
<td>The degree to which the clarity of water is reduced by suspended solids, silt, sediments or organic matter.</td>
</tr>
<tr>
<td>Turnover</td>
<td>Sales and service income: the total value of sales of all goods and services, whether or not manufactured by the business (exclusive of goods and services tax, and not deducting the costs of inputs or intermediate goods and services).</td>
</tr>
<tr>
<td>Understorey</td>
<td>Layer or layers of vegetation beneath the main canopy of a forest.</td>
</tr>
<tr>
<td>Term</td>
<td>Definition and use in SOFR 2013</td>
</tr>
<tr>
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</tr>
<tr>
<td>Uneven-aged forest</td>
<td>Forest with trees of more than one age or age class present on the same site. See Even-aged forest.</td>
</tr>
<tr>
<td>Unplanned fire</td>
<td>Fire started naturally (such as by lightning), accidentally or deliberately (such as by arson), but not in accordance with planned fire management prescriptions. See Bushfire, Wildfire.</td>
</tr>
<tr>
<td>Unresolved tenure</td>
<td>Areas where tenure is unknown or for which there are no tenure data.</td>
</tr>
<tr>
<td>Value-adding</td>
<td>The process of converting timber or forest products into one or more higher-valued products.</td>
</tr>
<tr>
<td>Variable retention</td>
<td>Retention of trees in a harvested area in forests harvested for wood, with the amount and configuration of retention dependent upon silvicultural objectives; an alternative to clearfelling. See Aggregated retention, Clearfelling, Silvicultural practices / systems.</td>
</tr>
<tr>
<td>Vascular plant</td>
<td>A plant with conducting tissue that transports water, mineral salts and sugars; includes clubmosses, horsetails, ferns, gymnosperms (including conifers) and angiosperms (flowering plants).</td>
</tr>
<tr>
<td>Vegetation community</td>
<td>A naturally occurring group of plant species inhabiting a particular area and interacting with each other, especially through biotic relationships, relatively independently of other plant communities. See Community (definition 1).</td>
</tr>
<tr>
<td>Veneer</td>
<td>Thin slices of wood, usually thinner than 3 millimetres, which can be glued and pressed to make plywood, or glued and pressed onto core panels (typically wood, particleboard or medium-density fibreboard) to produce flat panels.</td>
</tr>
<tr>
<td>Veneer logs</td>
<td>Logs used to produce sliced veneers or plywood. Excludes peeler logs used to produce rotary-peeled veneer.</td>
</tr>
<tr>
<td>Water yield</td>
<td>The amount of water that flows out of a catchment (drainage basin).</td>
</tr>
<tr>
<td>Watershed</td>
<td>The underground level at which the ground is saturated with water, where the water pressure is equal to atmospheric pressure.</td>
</tr>
<tr>
<td>Watertable</td>
<td>The underground level at which the ground is saturated with water, where the water pressure is equal to atmospheric pressure.</td>
</tr>
<tr>
<td>Wet forest / wet sclerophyll forest</td>
<td>Typically, eucalypt-dominated forest (not dry forest or rainforest) associated with moist conditions, and with an understorey (if present) dominated or co-dominated by rainforest species or non-sclerophyll shrubs. See Dry forest / dry sclerophyll forest, Eucalypt, Rainforest, Sclerophyll.</td>
</tr>
<tr>
<td>Wetland</td>
<td>Land consisting of swamps, marshes or mangroves. Forest wetlands are wetland ecosystems where forests are present. See Mangroves.</td>
</tr>
<tr>
<td>Wild harvest</td>
<td>Commodity harvested from the wild, including farming of wildlife and feral animals.</td>
</tr>
<tr>
<td>Wilderness</td>
<td>Land that, together with its plant and animal communities, has not been substantially modified by, and is remote from, the influences of European settlement, or is capable of being restored to such a state; is of sufficient size to make its maintenance in such a state feasible; and can provide opportunities for solitude and self-reliant recreation.</td>
</tr>
<tr>
<td>Wildfire</td>
<td>1. A large destructive forest fire that spreads rapidly. 2. Fire started naturally (such as by lightning), accidentally or deliberately (such as by arson), but not in accordance with planned fire management prescriptions. See Bushfire, Unplanned fire.</td>
</tr>
<tr>
<td>Wildlife corridor</td>
<td>An area or strip of suitable habitat design to connect or reconnect wildlife populations that have been separated by human activities.</td>
</tr>
<tr>
<td>Wildling</td>
<td>A wild plant of a tree species that has escaped from plantations.</td>
</tr>
<tr>
<td>Windthrow</td>
<td>Trees uprooted or broken as a result of severe wind associated with storms.</td>
</tr>
<tr>
<td>Wood</td>
<td>The hard, fibrous, underbark component of the stem and/or branches of a tree, often suitable for conversion into products.</td>
</tr>
<tr>
<td>Woodchips</td>
<td>Wood converted from logs into small chips for use in fibre products or conversion to pulp for paper manufacture.</td>
</tr>
<tr>
<td>Woodland forest</td>
<td>Forest in which the tree crown cover ranges from 20% to less than 50%. See Crown cover, Other woody vegetation.</td>
</tr>
</tbody>
</table>


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### Tables

#### Criterion 1

<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Australia's forest area, by jurisdiction</td>
<td>33</td>
</tr>
<tr>
<td>1.2</td>
<td>Australia's forest area, by forest type</td>
<td>37</td>
</tr>
<tr>
<td>1.3</td>
<td>Area of native forest, by crown cover class and jurisdiction</td>
<td>38</td>
</tr>
<tr>
<td>1.4</td>
<td>Area of native forest, by type and crown cover class</td>
<td>39</td>
</tr>
<tr>
<td>1.5</td>
<td>Forest area, by forest type and jurisdiction</td>
<td>41</td>
</tr>
<tr>
<td>1.6</td>
<td>Area of native forest, by tenure and jurisdiction</td>
<td>41</td>
</tr>
<tr>
<td>1.7</td>
<td>Area of native forest (by crown cover type) and plantation, by tenure</td>
<td>42</td>
</tr>
<tr>
<td>1.8</td>
<td>Areas of forest in Regional Forest Agreement regions, by region</td>
<td>44</td>
</tr>
<tr>
<td>1.9</td>
<td>Areas of forest in Regional Forest Agreement regions, by forest type</td>
<td>44</td>
</tr>
<tr>
<td>1.10</td>
<td>Areas of forest in Regional Forest Agreement regions, by forest tenure</td>
<td>45</td>
</tr>
<tr>
<td>1.11</td>
<td>Differences in reported forest areas between SOFR 2013 and SOFR 2008, by jurisdiction</td>
<td>48</td>
</tr>
<tr>
<td>1.12</td>
<td>Difference in areas of reported forest in Regional Forest Agreement regions between 2008 and 2013</td>
<td>51</td>
</tr>
<tr>
<td>1.13</td>
<td>Status of native forest growth stage data over the SOFR 2013 reporting period</td>
<td>60</td>
</tr>
<tr>
<td>1.14</td>
<td>Areas of native forest of known growth stage, by tenure</td>
<td>61</td>
</tr>
<tr>
<td>1.15</td>
<td>Areas of forest of different forest types, by growth stage</td>
<td>61</td>
</tr>
<tr>
<td>1.16</td>
<td>Area of Tasmanian native forest types by growth stage and tenure</td>
<td>64</td>
</tr>
<tr>
<td>1.17</td>
<td>Forest area in formal public nature conservation reserves, as reported in SOFR 2013 and previous SOFRs</td>
<td>67</td>
</tr>
<tr>
<td>1.18</td>
<td>Area of protected native forest on public land in New South Wales, by CAR reserve type</td>
<td>68</td>
</tr>
<tr>
<td>1.19</td>
<td>Area of protected native forest on public and private land in Tasmania, by CAR reserve type</td>
<td>68</td>
</tr>
<tr>
<td>1.20</td>
<td>Area of protected native forest on public land in Victoria, by CAR reserve type</td>
<td>68</td>
</tr>
<tr>
<td>1.21</td>
<td>Area of protected native forest on public land in Western Australia, by CAR reserve type</td>
<td>68</td>
</tr>
<tr>
<td>1.22</td>
<td>Area and type of forest in properties in the National Conservation Lands Database, by jurisdiction</td>
<td>70</td>
</tr>
<tr>
<td>1.23</td>
<td>Area of forest in CAPAD, by tenure and jurisdiction</td>
<td>70</td>
</tr>
<tr>
<td>1.24</td>
<td>Area of forest in IUCN protected-area categories, by jurisdiction</td>
<td>71</td>
</tr>
<tr>
<td>1.25</td>
<td>Area of forest in IUCN protected-area categories, by forest type</td>
<td>73</td>
</tr>
<tr>
<td>1.26</td>
<td>Area of native forest on land protected for conservation of biodiversity, by jurisdiction</td>
<td>73</td>
</tr>
<tr>
<td>1.27</td>
<td>Area of native forest in World Heritage areas</td>
<td>74</td>
</tr>
<tr>
<td>1.28</td>
<td>Parameters of landscape fragmentation</td>
<td>77</td>
</tr>
<tr>
<td>1.29</td>
<td>Number of forest-dwelling vertebrate species, by jurisdiction</td>
<td>80</td>
</tr>
<tr>
<td>1.30</td>
<td>Number of forest-dependent vertebrate species, by jurisdiction, 2011</td>
<td>80</td>
</tr>
<tr>
<td>1.31</td>
<td>Percentage habitat use of forest-dwelling and forest-dependent vertebrate species</td>
<td>81</td>
</tr>
<tr>
<td>1.32</td>
<td>Number of forest-dwelling vascular plant species, by jurisdiction</td>
<td>82</td>
</tr>
<tr>
<td>1.33</td>
<td>Assessed level of ecological knowledge on forest-dwelling species, by taxonomic group</td>
<td>83</td>
</tr>
<tr>
<td>1.34</td>
<td>Listed key threatening processes affecting forest-dwelling threatened species</td>
<td>86</td>
</tr>
<tr>
<td>1.35</td>
<td>Threatened forest-dwelling species listed under the EPBC Act, by taxonomic group</td>
<td>87</td>
</tr>
<tr>
<td>1.36</td>
<td>Threats to forest-dwelling threatened species</td>
<td>90</td>
</tr>
<tr>
<td>1.37</td>
<td>Forest-dwelling species on the national list of threatened species with changed rating during the SOFR 2013 reporting period</td>
<td>91</td>
</tr>
<tr>
<td>1.38</td>
<td>Forest-dwelling species removed from the national list of threatened species during the SOFR 2013 reporting period</td>
<td>91</td>
</tr>
</tbody>
</table>
Table 1.39: Reasons for the removal of forest-dwelling species from the national list of threatened species during the SOFR 2013 reporting period

Table 1.40: Forest-dwelling species added to the national list of threatened species during the SOFR 2013 reporting period

Table 1.41: Species added to the national list of forest-dwelling threatened species during the SOFR 2013 reporting period, and primary threats given as reasons for listing

Table 1.42: Number of forest ecological communities listed under the EPBC Act, by jurisdiction

Table 1.43: Threatened forest ecological communities listed under the EPBC Act

Table 1.44: Taxonomic groups for which representative species are being monitored

Table 1.45: Threatened forest-dwelling species in Australia with conservation concerns about isolation or genetic capacity

Table 1.46: Number of forest-dwelling threatened and priority species in Tasmania potentially at risk from isolation and loss of genetic variation

Table 1.47: Number of forest-dwelling species in the Northern Territory potentially at risk from isolation and loss of genetic variation

Table 1.48: Plantation species with reproductive material available in seed collections in Australia

Table 1.49: Plantation species present in seed orchards in Australia

Table 1.50: Plantation species in tree improvement and breeding programs in Australia

Table 1.51: Tree improvement trials in Australia

Criterion 2

Table 2.1: Area of leasehold native forest, multiple-use public native forest and native forest on private land legally restricted and not legally restricted from wood harvesting, by jurisdiction, 2010–11

Table 2.2: Area of leasehold, private and multiple-use native forest, by level of wood commerciality, 2006 and 2011

Table 2.3: Net harvestable area of public native forest, and proportion of total public native forest, by jurisdiction, 1995–96 to 2010–11

Table 2.4: Average area of multiple-use public native forest harvested in Western Australia

Table 2.5: Silvicultural systems used in multiple-use public native forest in Australia

Table 2.6: Forest area harvested annually from multiple-use public native forest in Australia

Table 2.7: Area of components of Industrial plantation estate, by type and rotation, 2010–11

Table 2.8: Area proportion of Industrial plantations by ownership category

Table 2.9: Main plantation species by region, and main uses

Table 2.10: Change in sustainable yield from public multiple-use forests across SOFR reporting periods, from those reported in SOFR 1998, by jurisdiction

Table 2.11: Firewood and fuelwood use in Australia, 1973–75 to 2006–10

Table 2.12: Logs harvested by native forest and plantation sector, 2000–01 to 2010–11

Table 2.13: Proportions of wood harvest volumes derived from native forests and plantations, 2000–01 to 2010–11

Table 2.14: Forecast plantation log supply, Australia, 2010–14 to 2050–54

Table 2.15: Examples of NWFPs produced and used in Australia

Table 2.16: Contemporary land-use pressures on the land environment: forest

Table 2.17: Estimated tree fern numbers, by land tenure, in Tasmania

Table 2.18: Tree fern harvesting in Tasmania

Table 2.19: Wildflower and seed harvest from south-west Western Australian native environments covered by the Forest Management Plan 2004–2013

Table 2.20: Australian sandalwood production, 2005–06 to 2011–12

Table 2.21: Annual harvest of wallaby meat in Tasmania

Table 2.22: Annual harvest of common brush-tailed possums in Tasmania

Table 2.23: Number of beekeepers and hives by jurisdiction

Table 2.24: Average number of apiary sites and hives on state forest land in Tasmania

Table 2.25: Area proportion of harvested multiple-use public native forest effectively regenerated, New South Wales, 2001–02 to 2010–11

Table 2.26: Area of multiple-use public native forest treated for regeneration and area effectively regenerated, Victoria, 1993–94 to 2010–11

Table 2.27: Area of multiple-use public native forest effectively regenerated, Western Australia, 2001–02 to 2010–11

Table 2.28: Area of regenerated multiple-use public native forest meeting stocking standards, Tasmania, 1998–99 to 2010–11
Table 2.29: Annual assessment performance rating for regeneration in native forestry operations, Tasmania, 2003–04 to 2010–11

Table 2.30: Percentage of regenerated multiple-use public native forest meeting the regeneration stocking standard or effectively regenerated

Table 2.31: Planned subsequent land use of harvested plantation forest (public and private), Tasmania, 1999–2000 to 2010–11

Table 2.32: Proportion of plantation establishment meeting stocking standards on state forest lands, Tasmania, 2006–10

Table 2.33: Annual assessment performance rating for re-establishment in plantation operations, Tasmania, 2003–04 to 2010–11

Table 2.34: Annual area of public softwood plantation re-established, and area achieving stocking density standards specified in the silviculture guidelines, Western Australia

Table 2.35: Public softwood plantation establishment and re-establishment, South Australia, 2001–02 to 2010–11

Table 2.36: Public softwood and hardwood plantation planting, New South Wales, 1998 to 2011

Criterion 3

Table 3.1: Rainfall zones and seasons used to classify fires as planned or unplanned

Table 3.2: Total forest area burnt, by rainfall zone, 2006–07 to 2010–11 (MODIS data)

Table 3.3: Forest areas burnt by planned and unplanned fire, 2006–07 to 2010–11, by jurisdiction (MODIS data)

Table 3.4: Total forest area burnt by planned and unplanned fire, 2006–07 to 2010–11, by jurisdiction (data from states and territories)

Table 3.5: Total forest area burnt by planned and unplanned fire, by jurisdiction, 2006–07 to 2010–11 (combination of MODIS data and state and territory data)

Table 3.6: Mega-fires in southern Australia, 1993–94 to 2010–11

Criterion 4

Table 4.1: Area of public forest from which wood harvesting was excluded, 2011

Table 4.2: Area of forest in catchments managed specifically to supply water for human or industrial use, 2011

Table 4.3: Categories of the extent to which the regulatory framework requires the maintenance of soil values

Table 4.4: Extent to which legally and non-legally binding instruments address the risk of soil erosion due to forest operations, road and trail works, and recreation activities

Table 4.5: Categories of the extent to which the risks of soil erosion are assessed in planning processes

Table 4.6: Area of multiple-use public forest where disturbance activities were planned, proportion assessed for risk of soil erosion, and assessed category, 2010–11

Table 4.7: Knowledge base on soil erosion and soil physical properties, by jurisdiction

Table 4.8: Categories for the performance of forest managers in complying with prescribed mitigation measures for soil impacts

Table 4.9: Compliance outcomes for soil impacts achieved in multiple-use public forests, 2005–06

Table 4.10: Categories of the extent to which a regulatory framework requires the maintenance of soil physical properties

Table 4.11: Extent to which legally and non-legally binding instruments address the risk to soil physical properties from forest operations, road and trail works, fire management and recreation activities

Table 4.12: Categories of the extent to which soil physical properties are assessed in planning processes

Table 4.13: Area of multiple-use public forest where disturbance activities were planned, proportion assessed for risk to soil physical properties, and assessed category, 2011–12

Table 4.14: Categories of the extent to which regulatory frameworks aim to maintain water quantity after disturbances associated with forest management

Table 4.15: Extent to which legally binding and non-legally binding instruments address the risk to water quantity from forest management activities in multiple-use public forests (including plantations)

Table 4.16: Knowledge base on water quantity, by jurisdiction

Table 4.17: Categories of the extent to which the regulatory framework requires the maintenance of water quality

Table 4.18: Extent to which legally and non-legally binding regulatory instruments address the risk to water quality from forest operations, road and trail works, fire management and recreation

Table 4.19: Categories of the extent to which risks to water quality are assessed in planning processes

Table 4.20: Proportion of disturbance activities in multiple-use public forest assessed for risk to water quality in 2010–11, and assessed category

Table 4.21: Knowledge base on water quality, by jurisdiction
Criterion 5

Table 5.1: Carbon accounts for Australia’s forests, 2001–10 238
Table 5.2: Carbon stored in forest lands and harvested wood products 240
Table 5.3: Carbon input to, and output from, the harvested wood products pool in Australia 244
Table 5.4: Emissions and sequestrations of greenhouse gases during production of plantation softwood and native hardwood logs 245

Criterion 6

Table 6.1: Volume of logs harvested by log type 254
Table 6.2: Estimated gross value of production of selected non-wood forest products 263
Table 6.3: Australian crocodile hide production and exports, 2006–07 and 2011–12 263
Table 6.4: Australian crocodile meat production, exports and domestic consumption, 2006–07 and 2011–12 263
Table 6.5: Crocodile egg harvest, from farms and the wild, Northern Territory, 2006–07 to 2010–11 263
Table 6.6: Venison production, exports and consumption, and exports of live deer and deer hides, 2006–07 and 2011–12 264
Table 6.7: Velvet antler production, exports and consumption, 2006–07 and 2011–12 264
Table 6.8: Number of game pig kills, and game pig meat production, exports and consumption, 2006–07 and 2011–12 265
Table 6.9: Kangaroo products: production, export and value, Australia 266
Table 6.10: Wallaby products: production, export and value, Tasmania 266
Table 6.11: Volume of Australian honey production, export, import and consumption, 2008 and 2011–12 267
Table 6.12: Eucalyptus oil production, exports and consumption, 2006–07 and 2011–12 267
Table 6.13: Tea-tree oil production, exports and consumption, 2006–07 and 2011–12 267
Table 6.14: Sandalwood production, value, consumption and exports, 2005–06 to 2011–12 268
Table 6.15: International and domestic visitors to forest nature-based tourism destinations, New South Wales, 2009 and 2010 273
Table 6.16: Visitors to state forests, South Australia, 2006–07 to 2010–11 273
Table 6.17: Forest product exports, 2010–11 276
Table 6.18: Commercially used native plant foods associated with forests 280
Table 6.19: Australian industrial wood waste production and trade, 2006–11 282
Table 6.20: Major sources of rubbish in landfills in Australia, 2006–11 283
Table 6.21: Recycling of forest products in Victoria 284
Table 6.22: Expenditure on forest management in New South Wales state forests, 2006–07 to 2010–11 286
Table 6.23: Total expenditure by ForestrySA, 2005–06 to 2010–11 286
Table 6.24: Total operating expenditure by Forestry Tasmania, 2006–07 to 2010–11 287
Table 6.25: Planned and actual expenditure for management of state-run parks and forests, Victoria, 2009–10 and 2010–11 287
Table 6.26: Expenditure on nature conservation and sustainable forest management in state-owned parks and forests, Western Australia, 2006–07 to 2010–11 287
Table 6.27: Area of new plantation establishment, 2006–07 to 2010–11 288
Table 6.28: Area and cost of plantings in state-owned plantations, New South Wales, 2006–07 to 2010–11 288
Table 6.29: Area and cost of new plantings in state-owned plantations, South Australia, 2006–07 to 2010–11 289
Table 6.30: Area and cost of plantings in state-owned plantations, Tasmania, 2006–07 to 2010–11 289
Table 6.31: Area and cost of plantation establishment under Forest Products Commission schemes, Western Australia, 2006–07 to 2010–11 290
Table 6.32: Investment and expenditure in the Australian forestry and logging subsector, 2006–07 to 2010–11 291
Table 6.33: Investment and expenditure in the Australian wood product manufacturing subsector, 2006–07 to 2010–11 291
Table 6.34: Investment and expenditure in the Australian pulp, paper and converted paper product manufacturing subsector, 2006–07 to 2010–11 291
Table 6.35: Business R&D expenditure in the forest and wood products sector, and proportion of total business R&D expenditure, 2005–06 to 2010–11 293
Table 6.36: Area and proportion of forest available for general recreation and tourism on public land, by jurisdiction and tenure class 296
Table 6.37: Number of permits issued by Forests NSW for organised recreational activities in New South Wales state forests, 2008–09 to 2010–11 298
Table 6.38: Tracks, sites and events provided for recreation and tourism in public multiple-use forests, 2005–06 and 2010–11 298
Table 6.39: Datasets compiled on areas of forest over which Indigenous people have use and rights

Table 6.40: Area of land, including forest land, under Indigenous ownership and management, Indigenous management, Indigenous co-management and Other special rights

Table 6.41: Area of native forest on the Register of the National Estate for Indigenous values

Table 6.42: Heritage registers by jurisdiction and relevant legislation

Table 6.43: Area of forested land on sites included in the Non-Indigenous Heritage Sites of Australia dataset

Table 6.44: Focus of farmers’ native vegetation management

Table 6.45: Future management intentions for native vegetation

Table 6.46: Forest-related employment in Tasmania—inclusions and exclusions

Table 6.47: Wages and salaries, wood and wood products industries, 2005–06 to 2010–11

Table 6.48: Estimated annual wage, selected primary sectors, 2005–06 to 2010–11

Table 6.49: Estimated annual wage, selected manufacturing sectors, 2005–06 to 2010–11

Table 6.50: Number of serious claims and compensated fatalities, 2003–04 to 2009–10

Table 6.51: Characteristics of Statistical Local Areas with more than 4% employment dependence on, and more than 20 workers employed in, the forest and wood products industries

Table 6.52: Forestry worker characteristics in Statistical Local Areas with more than 4% employment dependence on, and more than 20 workers employed in, the forest and wood products industries, 2006 and 2011

Table 6.53: Characteristics of Indigenous communities and workers, in Indigenous Regions with more than 0.4% of the Indigenous workforce employed in forest and wood products industries, 2011

Table 6.54: Indigenous student enrolments in the ForestWorks Forest and Forest Products Training Package

Table 6.55: Completions of ForestWorks course qualifications by Indigenous students, 2011

Criterion 7

Table 7.1: Major pieces of legislation relating to the conservation and sustainable management of Australia’s forests, by jurisdiction, active during the SOFR reporting period 2006–11

Table 7.2: Examples of management plans prescribed in legislation for the conservation and sustainable management of Australian forests

Table 7.3: Area of Australia’s forests covered by a management plan

Table 7.4: Major non-legislative policies, strategies and charters that influence the sustainable management of Australia’s forests, June 2011

Table 7.5: New South Wales forestry monitoring and compliance, 2007–08 to 2010–11

Table 7.6: University degree completions in South Australia in areas that may lead to employment in forest management, 2006–11

Table 7.7: National completions in vocational education and training, 2006–10

Table 7.8: Status of understanding, planning, inputs/resources, processes, outputs and outcomes associated with conservation and sustainable management of forests, 2006–11

Table 7.9: Value of Australia’s environmental assets

Table 7.10: Investment in new plantations, by investor type, 2008 and 2010–11

Table 7.11: Quality of data coverage, currency, frequency and capacity to report trends, and overall change since SOFR 2008, for each indicator addressed by SOFR 2013

Table 7.12: Status of management plans covering forests in the National Reserve System

Table 7.13: Full-time-equivalent employees engaged in forest-related research and development in Australia

Table 7.14: Full-time-equivalent employees engaged in forest-related research and development in Forests NSW

Table 7.15: Full-time-equivalent employees engaged in forest-related research and development in ForestrySA

Table 7.16: Tasmanian forest and forestry research and development effort, 2005–06 and 2010–11

Table 7.17: Full-time-equivalent employees engaged in forest-related research and development in Tasmania

Table 7.18: Full-time-equivalent employees engaged in forest-related research and development in Victoria

Appendix

Table A1: Alignment of the international Montreal Process indicators with Australia’s national indicators used in SOFR 2013
Figures

Introduction
Figure I.i: Agro-ecological regions of Australia 16
Figure I.ii: Mean annual rainfall across Australia 17
Figure I.iii: Distribution of native eucalypt forest, by crown cover class 19
Figure I.iv: Eucalypt mallee, eucalypt non-mallee and non-eucalypt native forest 20
Figure I.v: National Plantation Inventory regions of Australia 22
Figure I.vi: Regional Forest Agreement and related regions in Australia 23

Criterion 1
Figure 1.1: Australia’s forest extent, and the distribution of forest types (fold-out map) 35
Figure 1.2: Native forest crown cover, height classes, and area proportions 38
Figure 1.3: Native forest, by crown cover class 40
Figure 1.4: Australia’s forest extent by tenure (fold-out map) 36
Figure 1.5: Comparison of SOFR 2013 (NFI 2011) and NCAS 2011 datasets 46
Figure 1.6: Australia’s forest area compared with 2005 forest area 47
Figure 1.7: Examples of differences between national forest mapping in SOFR 2013 and SOFR 2008 (fold-out map) 49
Figure 1.8: Differences between forest mapping in SOFR 2013 and SOFR 2008, northern part of the Northern Territory 51
Figure 1.9: Box-plot of changes in forest type between SOFR 2008 and SOFR 2013 52
Figure 1.10: Box-plot of changes in forest tenure between SOFR 2008 and SOFR 2013 53
Figure 1.11: Example of the effect of better resolution data on mapped forest area 55
Figure 1.12: Examples of areas reported as forest in SOFR 2008 but as non-forest in SOFR 2013, as a result of corrected vegetation classification 56
Figure 1.13: Examples of areas of reported as non-forest in SOFR 2008 but as forest in SOFR 2013 57
Figure 1.14: Examples of areas reported as forest in SOFR 2008 but as non-forest in SOFR 2013, as a result of detected land-use change 58
Figure 1.15: Classification of growth stages in native forests 60
Figure 1.16: Australia’s forest extent, by IUCN protected area category (fold-out map) 49
Figure 1.17: Native forest areas with World Heritage status 75
Figure 1.18: Species richness of all biodiversity groups recorded in each treatment 84
Figure 1.19: Tephromela alectoronica, a crustose lichen associated with mature trees and large-diameter logs 84
Figure 1.20: Distribution of threatened forest-dwelling and forest-dependent fauna and flora species 88–89
Figure 1.21: Distribution of listed threatened forest ecological communities 94
Figure 1.22: Female and male forest red-tailed black-cockatoo Calyptorhynchus banksii nasa from south-west Western Australia 96
Figure 1.23: Distribution of the red-tailed black-cockatoo Calyptorhynchus banksii and its subspecies 97
Figure 1.24: Annual population counts of the south-eastern red-tailed black-cockatoo Calyptorhynchus banksii graptogyne 97
Figure 1.25: Northern quoll (Dasyurus hallucatus), which occurs in the tropical forests of northern Australia 100
Figure 1.26: Distribution of the swift parrot in Australia 101
Figure 1.27: Swift parrot breeding range 102
Figure 1.28: Tasmanian devil population estimated from spot-light transects 103
Figure 1.29: Devil facial tumour disease distribution in 2010 104
Figure 1.30: Location of Warra Long-Term Ecological Research (LTER) site 105
Figure 1.31: Malaise trap for sampling flighted arthropods, installed in the 600-metre altitude plot at Warra 106
Figure 1.32: Discontinuities in community composition with altitude 106
Figure 1.33: Indicative distribution of the koala in Australia 110
Figure 1.34: Plant health experts observing superior red mahogany (Eucalyptus pellita) trees in a forest species trial in north Queensland 115
Criterion 2

Figure 2.1: Commerciality of Australia’s native forest, assessed across the leasehold, private and multiple-use public forest estate, 2011

Figure 2.2: Australia’s native forests available and suitable for wood production across the leasehold, private and multiple-use public forest estate

Figure 2.3: Silvicultural systems used in Australia’s native forests

Figure 2.4: Australia’s Industrial plantation area, 1940–2010

Figure 2.5: Australia’s Industrial plantation area, 1995–2011

Figure 2.6: Area of Industrial plantation establishment and re-establishment by five-year period, to 2006–10

Figure 2.7: Area proportions of Industrial hardwood plantation estate in 2010–11, by jurisdiction

Figure 2.8: Area proportions of Industrial softwood plantation estate in 2010–11, by jurisdiction

Figure 2.9: Area proportion of 2011 Industrial plantation growing stock by age-class

Figure 2.10: Area proportion of Industrial plantation land and trees in ownership categories in 2011, by establishment age-class

Figure 2.11: Average annual harvest and sustainable yield for multiple-use public native forests in New South Wales, by SOFR reporting period

Figure 2.12: Average annual harvest and sustainable yield for multiple-use public native forests in Tasmania, by SOFR reporting period

Figure 2.13: Average annual harvest and sustainable yield for multiple-use public native forests in Victoria, by SOFR reporting period

Figure 2.14: Average annual harvest and sustainable yield for multiple-use public native forests in south-west Western Australia, by SOFR reporting period

Figure 2.15: Average annual harvest and sustainable yield for multiple-use public native forests in Queensland, by SOFR reporting period

Figure 2.16: Average annual harvest and sustainable yield for multiple-use public native forests in Australia, by SOFR reporting period

Figure 2.17: Average annual production of special-species timbers from multiple-use public native forests, by SOFR reporting period

Figure 2.18: Average annual production of Western Australian sandalwood from public native forests, by SOFR reporting period

Figure 2.19: Average annual production of high-quality hardwood sawlogs from public plantations, by SOFR reporting period

Figure 2.20: Average annual sawlog production from private native forests, by SOFR reporting period

Figure 2.21: Average annual pulplog harvest from multiple-use public native forests, by SOFR reporting period

Figure 2.22: Average annual pulplog harvest from private native forests, by SOFR reporting period

Figure 2.23: Average annual harvest of ‘other wood products’ from native multiple-use public forests, by SOFR reporting period

Figure 2.24: Average annual residual residential use of firewood, 1973–75 to 2006–10, by jurisdiction

Figure 2.25: Average annual Australian consumption of fuelwood, 1973–75 to 2006–10, by industry type

Figure 2.26: Harvest of sawlogs and pulplogs from Australia’s native forests and plantations, 2000–01 to 2010–11

Figure 2.27: Production of sawlogs from Australia’s native forests, 1996–97 to 2010–11

Figure 2.28: Production of pulplogs from Australia’s native forests, 1996–97 to 2010–11

Figure 2.29: Distribution of Industrial plantations and National Plantation Inventory regions

Figure 2.30: Forecast supply of plantation hardwood pulplog, by National Plantation Inventory region

Figure 2.31: Forecast supply of plantation hardwood sawlog, by National Plantation Inventory region

Figure 2.32: Forecast supply of plantation softwood sawlog, by National Plantation Inventory region

Figure 2.33: Forecast supply of plantation softwood pulplog, by National Plantation Inventory region

Figure 2.34: Forecast availability of wood from native production forest in Australia (public plus private), 2010–14 to 2045–49

Figure 2.35: Forecast sustainable yield of high-quality native forest sawlogs from public production forest in Australia, 2010–14 to 2045–49

Figure 2.36: Projected changes in log availability due to effects of predicted climate change

Figure 2.37: Density of macropods in Tasmania from annual spotlight surveys, 2002–10. A, Tasmanian pademelon. B, Bennett’s wallaby.

Figure 2.38: Density of common brushtail possums in Tasmania from annual spotlight surveys, 2002–10

Figure 2.39: Regeneration after harvesting using a fire-salvage (clearfell) silviculture system in Victorian native forests. A, Site immediately after harvesting; B, site four years after harvesting; C, site six years after harvesting. Granite Spur, Mitta Mitta, Victoria. Alpine Ash (Eucalyptus delegatensis) killed by wildfire in 2003 then salvage-logged and regenerated.

Figure 2.40: New plantation establishment, Australia
Figure 6.24: Softwood sawn wood production, trade and consumption, 2006–07 to 2010–11
Figure 6.25: Wood-based panel production, trade and consumption, 2006–07 to 2010–11
Figure 6.26: Medium-density fibreboard production, trade and consumption, 2006–07 to 2010–11
Figure 6.27: Particleboard production, trade and consumption, 2006–07 to 2010–11
Figure 6.28: Paper and paperboard production, trade and consumption, 2006–07 to 2010–11
Figure 6.29: Consumption, collection rate and utilisation rate of paper and paper products, 2006–07 to 2010–11
Figure 6.30: Proportion of waste paper products recycled or reused by households, March 2006 and March 2009
Figure 6.31: Expenditure on forestry and forest product R&D, 1981–82 to 2007–08, actual and adjusted for inflation
Figure 6.32: Cumberland State Forest map
Figure 6.33: Forest on Indigenous owned and managed lands, Indigenous managed lands, Indigenous co-managed lands, and lands with Other special rights
Figure 6.34: Forests on Indigenous sites on the Register of the National Estate
Figure 6.35: Forest on sites included in the Non-Indigenous Heritage Sites of Australia dataset
Figure 6.36: Proportion of people agreeing with statements relating to tree harvesting, native forest management and plantations, May 2009, May 2011 and May 2012
Figure 6.37: Perceptions of materials as environmentally friendly, October 2008, May 2011 and May 2012
Figure 6.38: Proportion of females and males agreeing with statements related to tree harvesting, native forest management and plantations, May 2012
Figure 6.39: Proportion of people agreeing with statements on trees and wood, October 2008, May 2011 and May 2012
Figure 6.40: Proportion of people agreeing with various statements relating to climate change, May 2011 and May 2012
Figure 6.41: Acceptability of various land uses to residents in Tasmania and south-west Western Australia, 2008
Figure 6.42: Acceptability of plantations to residents in Tasmania, 2008 and 2011
Figure 6.43: Proportion of landholders who planted trees for a given purpose, 2010
Figure 6.44: Adoption by landholders of tree planting for carbon sequestration, 2010
Figure 6.45: Total national employment in forestry, by employment status, 2001–11
Figure 6.46: Employment in the forestry and logging subsector, 2006–11
Figure 6.47: Employment in the wood product manufacturing subsector, 2006–11
Figure 6.48: Employment in the pulp, paper and converted paper product manufacturing subsector, 2006–11
Figure 6.49: Employment in the forestry support services subsector, 2006–11
Figure 6.50: Employment in the timber wholesaling subsector, 2006–11
Figure 6.51: Number of people employed in the forest industry, and number of forest-related businesses, Tasmania, 2006–11
Figure 6.52: Employment in the forest-growing and nurseries subsector, Tasmania, 2006–11
Figure 6.53: Employment in the wood-processing subsector, Tasmania, 2006–11
Figure 6.54: Employment in forest contracting, Tasmania, 2006–11
Figure 6.55: Employment dependence on forest and wood products industries by Statistical Local Area, 2011
Figure 6.56: Indigenous Regions and level of Indigenous workforce employment in forest and wood products industries, 2011

Criterion 7
Figure 7.1: Australian university forestry and forestry-related degree completions, 2006–11
Figure 7.2: Area of certified forest management in Australia, 2003–12
Figure 7.3: Chain-of-custody certificates issued in Australia, 2004–12
Figure 7.4: Distribution of forest monitoring plots in the Victorian Forest Monitoring Program
Figure 7.5: Changes in spotted gum forest, South Brooman State Forest, Batemans Bay, New South Wales
Figure 7.6: Changes in Cumberland State forest, West Pennant Hills, compartments 8b, 9a and 9b
Figure 7.7: Number of full-time-equivalent employees in research relating to sustainable forest management, Western Australian Department of Environment and Conservation
Figure 7.8: Airborne LiDAR ‘virtual forest’ image of uniform stands of Pinus radiata plantation forest surrounding remnant patches of taller Eucalyptus trees
## Boxes

### Introduction

**Box 1.i:** National goals set out in Australia’s National Forest Policy Statement  

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Box Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Criterion 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box 1.1:</td>
<td>Data sources for Indicator 1.1a (Area of forest by forest type and tenure)</td>
<td>34</td>
</tr>
<tr>
<td>Box 1.2:</td>
<td>Comparison of forest area datasets from the National Forest Inventory (NFI) and the National Carbon Accounting System (NCAS)</td>
<td>46</td>
</tr>
<tr>
<td>Box 1.3:</td>
<td>Differences in reported areas between SOFR 2008 and SOFR 2013, by forest type and tenure</td>
<td>52–53</td>
</tr>
<tr>
<td><strong>Criterion 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box 2.1:</td>
<td>State and territory legislation relevant to the harvesting of non-wood forest products</td>
<td>155</td>
</tr>
<tr>
<td><strong>Criterion 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box 3.1:</td>
<td>Where and when do bushfires occur?</td>
<td>189</td>
</tr>
<tr>
<td>Box 3.2:</td>
<td>Potential effects of projected climate change on fires</td>
<td>190</td>
</tr>
<tr>
<td><strong>Criterion 5</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box 5.1:</td>
<td>The Carbon Farming Initiative</td>
<td>237</td>
</tr>
<tr>
<td><strong>Criterion 6</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box 6.1:</td>
<td>Recycling of forest products in Victoria</td>
<td>284</td>
</tr>
<tr>
<td>Box 6.2:</td>
<td>Employment categories used for the intersectoral comparisons</td>
<td>332</td>
</tr>
<tr>
<td>Box 6.3:</td>
<td>Sub-indices of adaptive capacity</td>
<td>337</td>
</tr>
</tbody>
</table>
### Case studies

**Criterion 1**

Case study 1.1: Forest growth stages in Tasmania 63–64
Case study 1.2: Strategic Biodiversity Corridors Project 78
Case study 1.3: The forestcheck project: integrated biodiversity monitoring in jarrah forest 84
Case study 1.4: Red-tailed black-cockatoo 96–97
Case study 1.5: Island Ark program 100
Case study 1.6: Swift parrot 101–102
Case study 1.7: Tasmanian devil 103–104
Case study 1.8: Monitoring changes in plants and beetles up an altitudinal transect 105–106
Case study 1.9: Koala 109–110

**Criterion 3**

Case study 3.1: Myrtle rust 184–187
Case study 3.2: Black Saturday bushfires in Victoria 198–199
Case study 3.3: Monitoring fire regimes in the Greater Blue Mountains World Heritage Area 199

**Criterion 4**

Case study 4.1: Caring for our Country 207
Case study 4.2: Response of stream flow to afforestation and thinning at Red Hill, near Tumut, Murray-Darling Basin 223
Case study 4.3: Water quality in forested catchments 229

**Criterion 5**

Case study 5.1: Carbon dynamics of managed native forests in New South Wales 246

**Criterion 6**

Case study 6.1: The South East Queensland Ecosystem Services Project 272
Case study 6.2: BushBids supports biodiversity stewardship in the eastern Mount Lofty Ranges 273
Case study 6.3: Valuation of water from forested catchments 274
Case study 6.4: Native plant food industry 280
Case study 6.5: Cumberland State Forest 299–300
Case study 6.6: Protection of Aboriginal heritage in forests in South Australia 306
Case study 6.7: Kaanju Ngaachi Wenlock and Pascoe Rivers Indigenous Protected Area 315
Case study 6.8: Indigenous community engagement with Forests NSW 316
Case study 6.9: Native vegetation management on agricultural land 324
Case study 6.10: Potential adaptive capacity and contribution of forestry to the Tumut community 338
Case study 6.11: Indigenous training and enterprise development 346
Case study 6.12: Barriers to Indigenous employment in forestry 346

**Criterion 7**

Case study 7.1: Forest Management Plans in Western Australia 353
Case study 7.2: Monitoring and compliance of forest management in New South Wales 361
Case study 7.3: Managed investment schemes (MIS) 369
Case study 7.4: Tracking change and trend in native forest condition 381–382
Case study 7.5: Outputs from the CRC for Forestry 386
Case study 7.6: LiDAR research and development 393
## Index

### A

<table>
<thead>
<tr>
<th>Term</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABARES</td>
<td>see Australian Bureau of Agricultural and Resource Economics and Sciences</td>
</tr>
<tr>
<td>Aboriginal and Torres Strait Islander people</td>
<td>see Indigenous Australians</td>
</tr>
<tr>
<td>Aboriginal Lands Trust lands</td>
<td>Northern Territory, 313 Western Australia, 313–14</td>
</tr>
<tr>
<td>ABS</td>
<td>see Australian Bureau of Statistics</td>
</tr>
<tr>
<td>Acacia</td>
<td>34, 112</td>
</tr>
<tr>
<td>A. aneura</td>
<td>18</td>
</tr>
<tr>
<td>A. auriculiformis</td>
<td>112</td>
</tr>
<tr>
<td>A. crassicarpa</td>
<td>112, 114</td>
</tr>
<tr>
<td>A. dealbata</td>
<td>141</td>
</tr>
<tr>
<td>A. harpophylla</td>
<td>18</td>
</tr>
<tr>
<td>A. mangium</td>
<td>112, 114, 134</td>
</tr>
<tr>
<td>A. melanoxylon</td>
<td>18, 137, 141</td>
</tr>
</tbody>
</table>
| Acacia forest | area, 29, 32, 34, 37 area by crown cover class, 39 area by growth stage, 61 area by IUCN protected-area categories, 4, 73 area by jurisdiction, 41 area on Register of the National Estate for Indigenous values, 305 description, 18 distribution, 2, 35 in World Heritage areas, 74 acidification see soil acidification adaptive capacity community adaptive capacity, 11, 249–50, 252, 335–8, 340–6 ecosystems, 380–1 sub-indices, 337 aerial photography, 191, 393 African mahogany (Khaya senegalensis), 134, 135 agency names, ix Agonis forest, 20 agriculture, 3, 240 land clearing, 91–2, 241–2 land use, 4, 76 agro-ecological regions of Australia, 16 agroforestry see farm forestry Aichi Biodiversity Targets, 30, 65, 72 Allocasuarina, 112, 182 A. decaisneana, 18 A. luehmannii, 96 A. verticillata, 182 allowable cut see sustainable yield alpine ash (Eucalyptus delegatensis), 18, 198, 199 altitudinal patterns (plant and animal communities), 105–6 amenity services, 248, 249, 271 see also tourism and recreation Angophora, 18, 34 Animal Genetics and Breeding Unit, 113 animal products, 156, 158–61 apiary products see beekeeping industry; honey Araucaria cunninghamii (hoop pine), 113, 114, 134, 135, 178 arboreta, 5, 31, 111, 112 archaeological sites and objects see heritage sites aromatic products, 9, 121, 154, 157–8, 267–8 Association of Consulting Foresters of Australia, 364 Atalaya forest, 20 Athosperma moschatum (sassafras), 141 Athrotaxis selaginoides (King Billy pine), 141 attitudinal values see community attitudes audits see compliance Australasian Fire and Emergencies Authorities Council, 189 Australia state of the environment report (SoE), 154–5, 366, 378 Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES), 24, 131, 152, 324, 367, 375, 387 Australian Bureau of Statistics (ABS), 251, 290, 292, 325, 335, 337, 367, 375 Australian Forest Certification Scheme, 12, 364 Australian Forest Education Alliance, 359 Australian Forest Growers, 367 Australian Forest Products Association, 370 Australian Forestry Standard, 210, 226, 357, 360 Australian Pesticides and Veterinary Medicines Authority, 176 Australian Reptiles Online Database, 98 Australian Supersites Network, 387 Australian Tree Seed Centre, 111, 112 Australia’s Biodiversity Conservation Strategy 2010–2030, 86, 109

### B

<table>
<thead>
<tr>
<th>Term</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>bagasse</td>
<td>244</td>
</tr>
<tr>
<td>Banksia</td>
<td>182</td>
</tr>
<tr>
<td>Bankia forest</td>
<td>20</td>
</tr>
</tbody>
</table>
| Barber’s gum (Eucalyptus barberi), 111 bark beetles (Ips spp.), 173, 178, 191 Batemans Bay Local Aboriginal Land Council, 346 beekeeping industry, 119, 158, 160–1, 267 beetles, 82, 98, 173, 175 belah (Casuarina cristata), 18 bell miner–associated dieback, 177 Bennett’s wallaby (Macropus rufogriseus), 99, 158–9, 265 biodiversity, 5 in Australia (number of species), 79 ecosystem diversity, 28, 29–30 ecosystem diversity indicators, 79 effects of climate change, 6, 105 genetic diversity, 29, 31 monitoring programs, 82, 84, 98–106, 374 species diversity, 28–9, 30–1 biodiversity conservation, 4–5, 28–31 area of forest reserved or managed for conservation, 65–75 international targets, 72 see also Aichi Biodiversity Targets market-based initiatives, 273 Strategic Biodiversity Corridors Project, 78 see also forest area; forest conservation; nature conservation reserves; protected areas bioenergy, 144, 246, 387, 388 biological control agents, 174, 175, 178 biological diversity see biodiversity biomass, 235, 236, 241, 244 see also wood waste bird adverse impacts in forests, 177 bird monitoring, 78, 96, 98 Birdlife Australia, 98 Black Saturday bushfires in Victoria, 225 case study, 198–9
Cabinet rainforest timbers in New South Wales, 141 see also special-species timbers
Callictris forest, 18
  area, 37
  area by crown cover class, 39
  area by growth stage, 61
  area by IUCN protected-area categories, 73
  area by jurisdiction, 41
  area on Register of the National Estate for Indigenous values, 305
distribution, 35
  in World Heritage areas, 74
Calyptrahynchus banksii (red-tailed black-cockatoo) (case study), 96–7
Camden white gum (Eucalyptus benthamii), 111
cane toad (Rhinella marina, previously Bufo marinus), 98, 100, 177
CAPAD see Collaborative Australian Protected Areas Database
CAR reserve see Comprehensive, Adequate and Representative (CAR) reserve system
carbon credits, 237, 349, 350, 355, 366, 370
carbon cycle, 7, 232–46
  community understanding, 252
  role of forests, 232, 235–6, 241–2, 246
  wood products and landfills, 242–5
  see also carbon stocks
carbon dioxide, 7, 232, 235, 237
Carbon Farming Initiative (CFI), 237, 349, 350, 355, 366, 370
carbon monoxide, 235
carbon sequestration, 7, 233, 271
  community attitudes, 252, 322–3
  projects, 237
  carbon stocks, 7, 233–40
  accounting, 237–8, 246
  changes, 237, 238–40, 241
  in forest soil, 242
  in forests, 233, 234, 235, 240, 241–2, 246
  in landfills, 7, 233, 234, 235, 242–3
  reporting and inventory, 235–7
  in wood and wood products, 233, 234, 235, 242–4
Caribbean pine (Pinus caribaea), 134, 135, 178
Caring for our Country program, 204, 207, 370
  case studies
  altitudinal patterns (plant and animal communities), 105–6
  barriers to Indigenous employment in forestry, 346
  Black Saturday bushfires in Victoria, 198–9
  BushBids program to conserve native vegetation, 273
carbon dynamics of managed native forests in New South Wales, 246
Caring for our Country, 207
CFI for Forestry outputs, 386
Cumberland State Forest, 299–300
fire regime monitoring, 199
forest growth stages in Tasmania, 63–4
Forest Management Plans in Western Australia, 353
FORESTCHECK project, 84
Indigenous community engagement with Forests NSW, 316
Indigenous training and enterprise development, 346
Island Ark program, 100
Kaanju Ngaachi Wenlock and Pascoe Rivers Indigenous Protected Area, 315
koala (Phascolarctos cinereus), 109–10
LiDAR research and development, 393
managed investment schemes, 369
monitoring and compliance of forest management in New South Wales, 361
myrtle rust (Puccinia psidii), 184–7
native forest condition (tracking change and trend), 380–2
native plant food industry, 280
native vegetation management on agricultural land, 324
protection of Aboriginal heritage in forests in South Australia, 306
red-tailed black-cockatoo (Calyptrahynchus banksii), 96–7
represented species monitoring, 98–106
South East Queensland Ecosystem Services Project, 272
Strategic Biodiversity Corridors Project, 78
stream flow response to afforestation and thinning, 223
swift parrot (Lathamus discolor), 101–2
Tasmanian devil (Sarcophilus harrisii), 103–4
Tumut community adaptive capacity, 338
valuation of water from forested catchments, 274
water quality in forested catchments, 229
Casuarina, 112
  C. cristata, 18
  C. cunninghamiana, 18
Casuarina forest
  area, 37
  area by crown cover class, 39
  area by growth stage, 61
  area by IUCN protected-area categories, 73
  area by jurisdiction, 41
  area on Register of the National Estate for Indigenous values, 305
description, 18
distribution, 35
  in World Heritage areas, 74
catchments, 7, 204, 205–6, 219–23, 224, 228–9, 274
cats see exotic species; vertebrate pests
celery-top pine (Phyllocladius asplenifolius), 141
certification see forest certification
CFI see Carbon Farming Initiative
chain-of-custody certificates, 364, 365
clearfelling, 8, 120, 122, 127–30
clearing
  forest, 30, 76–7, 241–2
  land, 30, 76–7, 241–2
  see also land-use change
climatic change, 6, 105, 107
  community attitudes, 319–20
impact on forest health, 183
impact on water yields, 220
mitigating effects of forest management scenarios, 246
potential effects on fire regimes, 174, 190–1
climate change (continued)
 potential effects on forest productivity, 152–3, 183, 220
 potential effects on honey industry, 160
 research and development, 388, 389, 390, 391, 392
 climatic events, 6, 173–4, 182–3
 drought see drought
 extreme fire weather, 189, 190, 198
 tropical cyclones, 6, 173, 175
 wind and storm, 6, 173, 182–3
 closed forest, 15, 18, 19
 area, 37–40
 habitat use of forest-dwelling vertebrate species, 81
 COAG see Council of Australian Governments
 codes of forest practice, 7, 11, 112, 118, 164, 205, 349, 353–4, 357
 CSIRO assessment of, 354
 erosion risk mitigation, 208–10
 monitoring and compliance, 359–62
 protection of soil, 204–5, 208–10, 212, 214, 215–17
 protection of water resources, 204–5, 219–20, 225–6
 codes of forest practice, by jurisdiction
 Northern Australian Territory, 211, 216
 Northern Territory, 205, 209, 216
 New South Wales, 205, 209, 211, 216, 220, 354, 359–61, 362
 Queensland, 216, 226, 354, 362
 South Australia, 205, 210, 220
 Tasmania, 205, 209, 210, 216, 220, 226, 354, 360, 362
 Victoria, 209, 210, 216, 220, 226, 354, 360
 Western Australia, 209, 212, 216–17, 220, 226, 353, 354, 360, 362
 see also forest management
 cold temperatures, 183
 Collaborative Australian Protected Areas Database (CAPAD), 4, 30, 65, 69, 70, 71–2, 379–80
 common brushtail possums (Trichosurus vulpecula), 99, 158, 160
 common wallaroo or euro (Macropus robustus), 158, 265
 Commonwealth Heritage List, 72, 307
 Commonwealth Scientific and Industrial Research Organisation see CSIRO
 communities, forest-dependent, 252
 community attitudes, 11, 317–24
 acceptability of plantation forestry, 11, 252, 320–2
 climate change, 319–20
 farmer management of native vegetation, 324
 forest management, 11, 252, 317–18
 forest-related issues, 11, 251–2, 317–19
 forest value to community, 249, 317
 role of forests in carbon storage, 11, 252, 317, 319
 water resources management, 219–20, 222
 community participation, 357, 359
 community resilience, 249–50, 252, 334–9
 Tumut case study, 338
 competition policy, 366, 368
 compliance
 monitoring compliance with codes of practice, 359–62
 soil erosion mitigation measures, 212–13
 water quality risk assessment and monitoring, 225–9
 Comprehensive, Adequate and Representative (CAR) reserve system, 66–9, 355
 Comprehensive Regional Assessments (CRAs), 23, 355
 Conference of the Parties to the Convention on Biological Diversity, 115
 conservation
 of biodiversity see biodiversity conservation
 defined, 366
 forests see forest conservation; nature conservation reserves
 soil see under soil erosion; soil physical properties
 ‘state of the environment’ reports, 154–5, 366, 371, 373, 378
 ‘state of the forests’ reports, 372, 373, 375–9
 of water see water quality; water quantity
 Conservation Commission of Western Australia, 156, 164, 352, 353, 360, 362, 374
 conservation organisations, 207
 consultative processes see community participation
 consumption, 248, 275
 firewood, 120, 136, 144–5, 239
 fuelwood, 120, 136, 144–6
 paper and paper products, 243, 275, 279, 282, 283
 particleboard, 277–8
 sawn wood, 251, 256, 275, 276–7
 wood-based panels, 277–8
 Convention on Biological Diversity, 24, 379
 Nagoya Protocol, 115
 Strategic Plan for Biodiversity 2011–2020, 30, 65, 72
 Convention on International Trade in Endangered Species of Wild Fauna and Flora, 115
 Cooperative Research Centres (CRCs), 189, 199, 385, 386, 390
 Corymbia, 6, 34, 173, 179
 C. calophylla, 96, 179, 182, 183
 C. citriodora, 112, 113, 114, 179, 186
 C. henryi, 112, 114
 C. maculata, 18, 112, 113, 114, 135, 381
 C. torelliana, 114
 Corymbia forest
 forest condition, 381–2
 pests and diseases, 173, 175, 177
 population of red-tailed black-cockatoo, 96
 Council of Australian Governments (COAG), 24, 357
 CRCs see Cooperative Research Centres
 criteria and indicators, 1, 12, 24, 123, 371, 379, 380
 alignment of Montreal Process indicators with Australia’s national indicators, 395–8
 Critically Endangered species (category), 31, 85, 86, 91–3
 crocodile industry, 161, 263
 crown cover, 2, 15, 18, 19, 37–40
 crown dieback see dieback
 Crown land, 4
 biodiversity conservation, 72
 leasehold, 21
 Other Crown land, 21
 CSIRO, 384
 assessment of plantation codes of practice, 354
 bushfire research, 189
 changes in R&D activities and staff, 10, 349, 383, 388
 collaboration, 387, 389, 390
 Flagship, 222, 384
 cultural, spiritual and social values, 10, 249
 Cumberland State Forest (case study), 299–300
 cyclones, 6, 173
 cypress pine, 18, 152
 harvest and sustainable yield, 138, 140, 146–7
 silviculture, 120, 122, 128, 130, 163, 166
 see also Callitris forest
 D
 Darwin stringybark (Eucalyptus tetrodonta), 18
 Darwin woollybutt (Eucalyptus miniata), 18
 Dasyurus hallucatus (northern quoll), 100
 data and datasets, 3, 375–8
 data sources for area of forest by type and tenure, 34
 ecological knowledge of forest-dwelling species, 30, 79, 82–4
 on fire and its impact, 191–5
 forest area dataset comparison, 4, 45–7
 gaps, 372, 378
 growth stage information, 59–61
 Indigenous estate, 313
 on private forest reserves, 69–70
 SOFR 2013, 12, 24–5, 371, 375–8
 soil erosion knowledge base, 212, 218
data and datasets (continued)
  tenue as surrogate for inventory data, 23
  variation across tenures and jurisdictions, 378
  water resources, 220–3, 226–8
  see also mapping; monitoring; National Forest Inventory;
  Non-Indigenous Heritage Sites of Australia; research and
development

Deed of Grant in Trust, Queensland (Indigenous estate), 313
deer, 160, 177, 268, 263–4
Department of Agriculture (Commonwealth), 24
Department of Agriculture, Fisheries and Forestry
(Commonwealth), 369, 387
Department of Agriculture, Fisheries and Forestry, Queensland, 286
Department of Climate Change and Energy Efficiency
(Commonwealth), 235–6
Department of Environment and Conservation, Western Australia,
113, 156, 212, 287, 353, 360, 392
Department of Environment and Primary Industries, Victoria, 360, 373
Department of Environment and Resource Management,
Queensland, 286
Department of Primary Industries and Resources South Australia,
78, 390
Department of Primary Industries, New South Wales, 113, 246, 389
Department of Primary Industries, Parks, Water and Environment,
Tasmania, 105, 228, 287, 390
Department of Primary Industries, Victoria, 360
Department of Sustainability and Environment, Victoria, 164, 213,
220, 287, 359, 360, 373, 391
Department of Sustainability, Environment, Water, Population and
Communities (Commonwealth), 366
desert stringybark (Eucalyptus arenacea), 96
devil facial tumour disease, 103–4
Dicksonia antarctica (tree fern), 99, 156
dieback, 160, 172, 177, 179, 180–1
diseases see pests and diseases
disturbance activities, 203, 204, 205, 208, 213, 214–15, 217–18, 224–9
Dothistroma needle blight, 6, 173
DPIPWE see Department of Primary Industries, Parks, Water and
Environment, Tasmania
drought, 6, 32, 175
  forest area loss, 4, 237
  forest health, 172, 173–4, 182
  impact on regeneration, 163–4
  and public attitude to water management, 219–20
dryland salinity, 172, 183, 224
Dunn's white gum (Eucalyptus dunnii), 112, 113, 114, 134, 177, 179

E

eastern grey kangaroo (Macropus giganteus), 158, 265
ecological communities
  Critically Endangered, 95
  Endangered, 95
  threatened, 94–5
  Vulnerable, 95
ecological knowledge, level of, forest-dwelling and forest-
dependent species, 30, 79, 82–4
economic diversity, 337
economic framework, 348–9, 366–70
effectiveness, 366
overview, 368
ecosystem diversity, 28, 29–30
ecosystem health and vitality
  fire impact, 173, 174
  pests and diseases, 172, 173–4
ecosystem resilience, 380–1, 391
ecosystem services, 66, 72, 207, 248, 271, 279, 386
  Industrial plantations contribution, 21, 119
  investment in, 370
  overview, 271
  provided by animal species, 158
  provided by forests, 250, 270–4
  South East Queensland Ecosystem Services Project, 272
ecotourism, 271–3, 316 see also tourism and recreation
  Eden Local Aboriginal Land Council, 316
education and awareness programs (public engagement), 299, 359
education and training programs, 362–3
electricity generation from wood and wood waste, 145, 237, 244, 281
emerging industries, 156, 262, 269
employment, 11, 131, 249–50
  direct and indirect, 252, 325–30, 336
  economic diversity, 337
  forest-dependent communities, 252, 334–9, 340–6
  Indigenous employment in forestry, 340–6
  Tasmanian forest industry employment and trends, 329–30
  Tumut case study, 338
  wage rates, 252, 331–3
  worker characteristics, 338–9
Endangered species (category), 85, 86, 91–3
  northern quoll (Dasyurus hallucatus), 100
  red-tailed black-cockatoo (Calyptrahynchus banksii
graptoeye), 96–7
  Tasmanian devil (Sarcophilus harrisii), 103–4, 108
endemic species, 28–9
Environment and Sustainable Development Directorate,
Australian Capital Territory, 389
Environment Protection and Biodiversity Conservation Act 1999
environmental assets, 366, 367
environmental management systems, 364
environmental organisation, 207
environmental services see ecosystem services
environmental values, 6
EPBC Act see Environment Protection and Biodiversity Conservation
Act 1999
essential oils, 267, 269
Essigella californica (Monterey pine aphid), 178
Eucalypt forest
  aerial sawing, 199
  altitudinal patterns (plant and animal communities), 105–6
  area, 29, 32, 34, 37, 52
  area by crown cover class, 39
  area by growth stage, 61
  area by IUCN protected-area categories, 73
  area by jurisdiction, 41
  area on lands with Indigenous management regimes, 313–16
  area on Register of the National Estate for Indigenous
  values, 305
  areas reported in SOFR 2008 and SOFR 2013, 52
  description, 18–19
  distribution, 2, 19, 20, 35
  number of species, 18
  pests and diseases, 179, 186
  population of red-tailed black-cockatoo, 96
  regeneration performance, 164–6 see also forest regeneration
  subtypes, 18, 19, 20, 34
  water yield, 220, 222
  in World Heritage areas, 74
  see also multiple-use public forest; native forest
  eucalypt plantations, 2, 6, 11, 132, 173, 175, 179, 186, 320
  see also hardwood plantations
Eucalyptus, 6, 34, 96, 112, 141
  E. agglomerata, 186
  E. amygdalina, 179, 182
  E. angustissima, 107
  E. arenacea, 96
Eucalyptus (continued)
E. argophloia, 111, 114
E. barberi, 111
E. baxteri, 96
E. benthamii, 111, 114
E. biturbinata, 114
E. botryoides, 112, 113
E. brookeriana, 111
E. camaldulensis, 18, 67, 96, 112, 114, 144
E. cladocalyx, 112, 113, 114
E. cloeziana, 114, 182, 186
E. coccifera, 105, 182
E. dalyrympleana, 179
E. delegatensis, 18, 198, 199
E. diversicolor, 18, 96, 113, 164
E. dunnii, 112, 113, 114, 134, 177, 179
E. globulus, 21, 107, 112, 113, 114, 134, 135, 177, 179
E. grandis, 112, 113, 114, 134, 135, 177, 179, 182, 186
E. grandis × E. camaldulensis, 179
E. grandis × E. robusta, 114
E. gunnii, 111, 176
E. leucoxyylon, 96
E. longirostrata, 114
E. marginata, 18, 84, 96, 112, 144, 164, 179, 182, 183
E. melliodora, 144
E. miniata, 18
E. meluuccana, 114
E. morrisbyi, 111
E. nitens, 112, 113, 114, 134, 135, 176, 179, 180
E. obliqua, 18, 105, 182
E. occidentalis, 112, 113, 114
E. pauciflora, 18
E. permissana, 111
E. pilularis, 18, 113, 114, 135, 186
E. polyanthemos, 144
E. propinqua × E. resinifera, 114
E. pulchella, 179
E. regnans, 18, 135, 198, 199, 274
E. risdonii, 111, 182
E. robusta × E. grandis, 114
E. saligna, 112, 113, 114, 135, 177
E. saligna × E. grandis, 114
E. sideroxyylon, 112, 144
E. sideroxyylon × E. tricarpa, 114
E. sieberi, 18
E. tenuiramis, 179
E. tereticornis, 112, 114
E. tetrodonta, 18
E. tricarpa, 112
E. vernicosa, 111
E. viminalis, 112, 182
eucalyptus oil, 267
European house borer (Hylotrupes bajulus), 179
exotic species
harvesting, 119, 160
pests and diseases, 6, 87, 173, 175, 177
quarantine pests, 176
see also introduced species
expenditure see investment
exports, 154
from native forests in RFA regions, 355
non-wood forest products, 263–8
wood products, 250, 258, 275–9, 355
woodchips, 251, 256, 260–1, 275–6, 355
Extinct species (category), 5, 85, 86
rediscovered (previously categorised as extinct), 5, 31, 85
Extinct species (status), 91–3

F

FAO see Food and Agriculture Organization of the United Nations
farm forestry, 21, 28, 43, 132
native vegetation management on agricultural land, 324
strategies, 357, 358
tree planting for carbon sequestration, 322–3
feral deer see deer
feral pigs see game pig industry; vertebrate pests
fire, 188–99
bushfire, 6, 174, 188, 189, 190, 196–9, 219, 224, 225, 385
see also wildfire
carbon stock losses, 237, 240, 241
case studies, 198–9
data on, 191–5
drivers, 189, 190
forest area burnt, 4, 6, 174, 188, 193–9, 213, 225, 237, 239
Forest Fire Danger Index, 190
forest health, 175
as forest/land management tool, 173, 188, 189, 190, 195–6, 239
grazing, 189
impact on forest health, 173–4, 188, 191
impact on regeneration, 164, 190
impact on soils, 213, 225
impact on water quality, 204, 224, 225
impact on water yields, 203, 219, 220
mapping and reporting, 191
mega-fires, 190, 196–9
origin and spread, 190
planned, 6, 173, 174, 188–9, 191–5, 239
potential effects of projected climate change, 173, 174, 188, 190–1
prescribed burning, 189, 195–6, 239
research and development, 385
unplanned, 6, 173, 188–9, 191–5
wildfire, 6, 7, 139, 173, 174, 189, 190, 195, 196–9, 213, 225, 240
fire management activities and soil protection, 213
fire regimes, 173, 190, 199
firewood, 9, 118
use, 120, 136, 144–5, 239
flooded gum (Eucalyptus grandis), 112, 113, 114, 134, 135, 177, 179, 182, 186
Food and Agriculture Organization of the United Nations (FAO), 115, 281
Commission on Genetic Resources for Food and Agriculture, 115
Global Forest Resources Assessments, 33, 43, 379
International Plant Protection Convention, 198, 199
State of the World’s Forests reports, 379
forest
benefits of, 10, 13
definition, 13, 15, 37
mature, 59, 60–2
multiple-use see multiple-use public forest
native see native forest
non-planted, 21
old-growth, 4, 30, 59, 62, 127, 129, 287, 360, 374, 390–1
other forest see Other forest
plantation see plantations
private see private forests
rainforest see rainforest
regeneration, 59, 60–1
regrowth, 59, 60–1
senescent, 59, 60–2
woodland see woodland forest
Forest and Wood Products Australia, 317, 319, 384–5
Forest and Wood Products Research, Development and Extension Forum, 384
forest area, 3, 29–30, 32–7
assessment methodology, 3, 28, 29, 32–3, 47–58 see also Multiple Lines of Evidence approach
available for tourism and recreation, 249, 251, 295–6
biomass density, 236
burnt, 6, 174, 188, 193–9, 213, 225, 237, 239
under certified forest management schemes, 12, 364, 365 change over time, 3, 4, 29, 32, 45–7 commercial wood production availability/suitability, 7–8 covered by management plans, 353–4 by crown cover and height classes, 37–40 by crown cover and tenure, 42 data see data and datasets differences in reported areas between SOFR 2008 and SOFR 2013, 33–4, 48–58 by growth stage, 4, 30, 59–64 Indigenous heritage value, 304–5
forest management (continued)
- protection of water quantity and quality, 202–7, 219–29
- protective functions, 202–7 see also heritage sites
- Vegetation Assets States and Transitions framework, 380–2
- see also forest conservation; forest regeneration; forestry operations; research and development; sustainable forest management

Forest Management Plan 2004–2012 (Western Australia), 352, 353
- achievement of objectives, 392
- case study, 353
- management area visits, 299
- monitoring of compliance, 360, 362, 374
- protection of soil and water, 209, 212, 216–17, 220, 226
- regeneration timeliness and effectiveness, 164
- sustainable use of resources, 156, 157
- Forest Practices Authority, Tasmania, 166, 168, 218, 360, 390
- forest products see harvest volume (forest wood products); non-wood forest products; wood products

Forest Products Commission, Western Australia, 212, 216, 289–90, 353, 358, 360
- forest regeneration, 162–70
- aims and management, 112, 118
- carbon stock gains, 237, 239, 240
- definition, 162
- native forest, 118, 163–7
- plantation establishment/re-establishment, 119, 167–70
- success rates in multiple-use public native forest, 120, 162
- see also regeneration (growth stage)
- Forest Stewardship Council (FSC), 12, 364
- forest tenure see tenure (forests)
- forest types see forest categories and types
- FORESTCHECK project, 82, 84, 99, 176, 374
- Forestry and Forest Products Committee (FFPC), 24, 357
- Forestry Corporation of NSW, 286, 351, 358
- forestry operations
- degree of threat to threatened species, 5, 31, 85
- employment see employment
- greenhouse gases emissions, 7, 233, 234, 244–5
- investment, 290–1
- R&D expenditure, 251, 293–4
- vocational education and training, 340, 345–6, 363
- wage rates, 252, 331–3
- see also codes of forest practice; forest industries; forest management

Forestry Tasmania, 105, 157, 168, 228, 229, 287, 289, 390
- forestry workers see employment
- ForestrySA, 286, 289, 390
- forests see forest

Forests NSW
- education and training programs, 299, 346
- engagement with Indigenous people, 316, 346
- investment and expenditure, 286, 288
- legislative authority, 351
- management for protective functions, 205
- management plans, 354
- monitoring and compliance, 359–60, 361
- policy, 357
- recreation and tourism permits issued, 297–8
- research and development, 246, 389
- soil protection and conservation, 209, 211, 216
- tree-improvement programs, 113
- water quantity/quality monitoring, 220, 223, 226, 228
- see also Forestry Corporation of NSW

ForestWorks vocational programs, 340, 345, 363
- foxes, 177 see also vertebrate pests
- FrogWatch, 98
- fuelwood, 9, 118
- use, 120, 136, 144–6
- Full Carbon Accounting Model (FullCAM), 236
- fungal leaf pathogens, 6, 172, 173, 179

G

game pig industry, 265
- genetic diversity, 29, 31, 107–10
- case study (koala), 109–10
- native forest wood species of commercial significance, 112
- risk mitigation, 109–10
- risk to, 107, 108–9
- genetic resources, 29
- conservation, 5, 111–15
- gene flow from plantations, 113–14
- international dispersion, 111–12
- use, 5, 112–13
- global carbon cycle, 7, 232–46
- Global Forest Resources Assessments, 33, 43, 379
- goats see exotic species; vertebrate pests
- Greater Blue Mountains World Heritage Area, 199
- greenhouse gases, 7, 232, 234–46
- emissions from forestry operations, 7, 233, 234, 244–5
- emissions from wildfire, 195
- IPCC scenarios, 152
- mitigation benefits of forest management, 7, 233, 234, 245–6, 271
- National Greenhouse Gas Inventory, 4, 29, 32, 234, 235–6, 242, 378
- reporting and inventory, 195, 235–6
- storage and release processes in forests, 235
- see also carbon credits; carbon cycle; carbon sequestration
- Greening Australia, 207
- Grevillea forest, 20
- Grevillea robusta, 112, 114
- gross domestic product, 253
- growing stock, 131, 132, 134
- growth stage see forest growth stages
- gumleaf skeletoniser (Uraba lugens), 179
- Gymnobelideus leadbeateri (Leadbeater’s possum), 59, 198, 199

H

habitat use of forest-dwelling and forest-dependent vertebrate species, 80–1
- hail damage, 183
- Hakea forest, 20
- hardwood plantations, 21
- area, 2, 30, 32, 37, 43, 120, 131, 132, 133–4
- area by jurisdiction, 41
- climatic events impacts, 182–3
- establishment, 131, 139
- establishment/re-establishment, 167–8, 170, 251, 288–90
- forecast plantation log supply, 149–53
- harvest volume, 9, 120–1, 136, 141–2, 145–8, 254–5
- investment in, 10, 288–90
- pests and diseases, 173, 177, 179–80, 186
- potential effects of climate change, 152–3
- species, 134, 135
- value of logs harvested, 254–5
- hardwoods, 34
- consumption of sawn wood, 251, 256, 276–7
- greenhouse gases emitted during log production, 245
- sequestered carbon in logs, 233, 234, 245
- species and uses, 134, 135
- use for pulp and paper (community attitudes), 252
- woodchip exports, 256, 261
- harvest volume (forest wood products), 8–9, 120, 122, 136–48
- annual harvests, 138–48, 254
- forecast native forest log supply, 152–3
- forecast plantation log supply, 149–53
- impact of fire, 139
- sustainable yield, 118, 120, 136–45
harvest volume (forest wood products) (continued)
trends, 9–10, 138–48, 250, 253, 254
see also wood production
harvested products see non-wood forest products; wood products
harvesting (forest wood products), 8–9, 118
community attitudes, 252
forest carbon losses, 241
impact on water yield in native forests, 222
‘legally restricted’ / ‘not legally restricted’ tenures, 123
minimisation of impact on soils, 214–15
regulation, 119
see also wood production; wood products
heritage sites, 10, 72, 249, 251, 301, 304–12
Heterodendron forest, 20
Honey, 9, 119, 121, 154, 160–1, 263, 267
hoop pine (Araucaria cunninghamii), 113, 114, 134, 135, 178
House of Representatives Standing Committee on Agriculture, Resources, Fisheries and Forestry, 368
household recycling see recycling
human capital, 337
huon pine (Lagarostrobos franklinii), 141
hybridisation, 108, 113
Hylotrupes bajulus (European house borer), 179

I
illegal logging, 355
imports and exports
non-wood forest product exports, 263–8
paper products, 251, 275, 279
prohibition of illegally logged timber, 355
wood products, 250–1, 256–61, 275–9, 355
indicators see criteria and indicators
Indigenous Australians
area of forest owned or managed see Indigenous estate capacity building, 252
cultural values, 252, 311–12
employment, 316, 340–6
participation in forest management, 249, 251, 312–16, 359
resilience of communities and forestry workers, 340–6
training and skills development, 345–6
use of fire, 190
use of non-wood forest products, 154, 161
worker characteristics, 344–5
Indigenous estate, 2, 10
area, 10, 251, 301, 303–4
dataset, 313
heritage sites, 249, 251, 301, 304–5, 306, 311–12
land tenure and management categories, 2, 10, 249, 251, 301, 302, 312–14
land-use agreements, 303, 316
management regimes, 301–4, 312–14
nature conservation reserves, 314
Other special rights, 302, 304, 315–16
pastoral leases, 314
protected areas, 67, 302, 312, 315
World Heritage areas, 314
see also native title
Indigenous Land Corporation, 313
Indigenous Protected Areas, 67, 302, 312, 315
Industrial plantations, 21
age-classes, 132, 134
area, 2, 8, 29, 30, 32, 37, 43, 120, 131–5
area by IUCN protected area categories, 73
area by jurisdiction, 41
area by type and rotation, 132
contribution to environmental services, 21, 119
defined, 15
distribution, 35
effects of climate change, 152–3
Industrial plantations (continued)
employment generated, 131
establishment/re-establishment, 119, 121, 131, 162, 167–70
forecast plantation log availability, 148–51
growing stock, 132, 134
harvest volume see harvest volume (forest wood products)
investment, 10, 288–90, 368–9
locations, 248–9
ownership of trees, 8, 21, 120, 131, 132, 134–5
plantation estate growth, 132
production volume, 120–1
purpose, 43, 119
regeneration, 112
species, 34, 131, 132, 134, 135
value (standing timber), 366, 367
see also hardwood plantations; softwood plantations
industry see forest industries
injury and fatality rates in forest sector, 252, 333
insect pests, 6, 172, 173, 175, 176–7, 182, 191
Institute of Foresters of Australia, 364
integrated pest management, 177–8
Intergovernmental Panel on Climate Change (IPCC), 152
International Plant Protection Convention, 115
International Tropical Timber Organization, 379
International Union for Conservation of Nature (IUCN), 4, 30, 65
protected areas categories, 71–3
International Union for the Protection of New Varieties of Plants, 115
introduced species, 21, 85, 91, 177 see also exotic species
introgression, 113 see also hybridisation
inventory of forests see National Forest Inventory
invertebrate pests, 172, 177–9
investment
forest industries, 10, 249, 251, 285–91, 368–71
managed investment schemes, 366
new plantations, 251, 288–90, 368–9
research and development, 10, 249, 251, 292–4
timber processing, 369
IPCC see Intergovernmental Panel on Climate Change
Ips grandicollis (bark beetle), 178, 191
Island Ark program, 98, 100
IUCN see International Union for Conservation of Nature

J
jarrah (Eucalyptus marginata), 18, 84, 96, 112, 144, 164, 179, 182, 183
jurisdictions, 22
codes of forest practice see codes of forest practice, by jurisdiction
forest area, 33, 38–42
forest measurement, monitoring and reporting, 372–4
institutional framework, 356–65
investment in forest management, 285–90
legal framework, 350–5
see also Regional Forest Agreements

K
Kaaaju Ngaachi Wenlock and Pascoe Rivers Indigenous Protected Area, 315
kangaroos
adverse impact in forests, 176
harvest volume and value, 265–6
products, 158–9, 265–6
protected, 158, 265
sustainable management of harvest, 158
karri (Eucalyptus diversicolor), 18, 96, 113, 164
key threatening processes see threats/threatening processes
Khaya senegalensis (African mahogany), 134, 135
King Billy pine (Athrotaxis selaginoides), 141, 182
knowledge base see data and datasets
koala (Phascolarctos cinereus), 92, 108, 109–10
Kyoto Protocol, 235, 379

L

Lagarostrobus franklinii (huon pine), 141
Land & Water Australia, 387
land tenure, 2, 3, 4
  Crown land, 4
  Indigenous managed lands, 2, 10, 29
  Indigenous owned and managed lands, 2, 10, 29
  leasehold, 2, 3, 4, 29
  private land, 2, 4, 29
  see also tenure (forests)
land-use agreements, Indigenous, 303, 316 see also Indigenous estate
land-use change, 3, 4, 30, 76, 85
carbon stock gains and losses, 237, 238, 239, 240
  nature reserves, 205–6
  planned (harvested plantations, Tasmania), 167–8, 169
  see also forest clearing
land-use pressures on forests, 154, 156
Landcare groups, 207, 316, 370
landfill
carbon stocks, 7, 233, 234, 235, 237, 242–3
  sources of rubbish, 283
large-leaved spotted gum (Corymbia citriodora), 112
Lathamus discolor (swift parrot), 98, 101–2
Leadbeater’s possum (Gymnobelideus leadbeateri), 59, 198, 199
leasehold forest, 2, 3, 4, 21, 36
  area available/suitable for commercial wood production, 123–7
  leasehold land, 2, 3, 4, 29
legislation and legal/non-legal instruments, 357
  Australian (Commonwealth) see Environment Protection and Biodiversity Conservation Act 1999, Regional Forests Agreement Act 2002
  carbon credits, 349
  concerning Indigenous estate, 313–14
  framework for forest conservation and sustainable management, 155, 348–55
  harvesting non-wood forest products, 155
  heritage protection, 304, 307–8
  limiting disturbance in catchments, 205
  lists, by jurisdiction, 351–2, 357–8
  protection of soil, 204–5, 208–10, 212, 215–17
  protection of water resources, 204–5, 219–20, 221, 225–6
  lemon-scented gum (Corymbia citriodora), 112, 113, 114
  Leptospermum forest, 20
LiDAR research and development, 393
logging see forestry operations; harvesting (forest wood products); logs see pulplogs; sawlogs; wood products
Long-term Ecological Research Network (LTERN), 387
long-term ecological research sites (LTER), 82, 98, 99, 105–6, 387, 390
Lophostemon forest, 20
LTER see long-term ecological research

M

Macropus
  M. fuliginosus (western grey kangaroo), 158, 265
  M. giganteus (eastern grey kangaroo), 158, 265
  M. robustus (common wallaroo or euro), 158, 265
  M. rufogriseus (Bennett’s wallaby), 99, 158–9, 265
  M. rufus (red kangaroo), 158, 265
mallee eucalypts, 13, 18, 20, 107 see also Eucalypt forest managed investment schemes, 366, 368–9
mangrove, Avicennia marina, 19
Mangrove forest
  area, 37
  area by crown cover class, 39
  area by growth stage, 61
  area by IUCN protected-area categories, 73
  area by jurisdiction, 41
  area on Register of the National Estate for Indigenous values, 305
description, 19
  distribution, 35
  habitat use of forest-dwelling and forest-dependent vertebrate species, 81
  in World Heritage areas, 74
mapping, 3, 32
  changes in, 47–58
  for fire management and reporting, 191–3
  LiDAR research and development, 393
  soils in forested areas, 218
  see also remote sensing
maritime pine (Pinus pinaster), 134, 135, 182
market-based initiatives for conservation, 273
marr (Corymbia calophylla), 96, 179, 182, 183
mature (growth stage), 59, 60–2
  in Tasmania (case study), 59
meat and skins see animal products
mega-fires, 190, 196–9 see also bushfires
Melaleuca, 112
  M. leucadendra, 19
  M. quinquenervia, 185–7
  M. viridiflora, 19
Melaleuca forest
  area, 37
  area by crown cover class, 39
  area by growth stage, 61
  area by IUCN protected-area categories, 73
  area by jurisdiction, 41
  area on Register of the National Estate for Indigenous values, 305
description, 19
  distribution, 35
  in World Heritage areas, 74
messmate stringybark (Eucalyptus obliqua), 18
methylene, 235
Miera cider gum (Eucalyptus gunnii subsp. divaricata), 111, 176
millennium drought, 219–20, 237
Millennium Ecosystem Assessment, 270–1, 272
Millennium Seed Bank Project, 111–12
mining, 3, 240
Mirbelia oxylobioides, 182
MODIS (Moderate-resolution Imaging Spectroradiometer), 174, 188, 191–5, 386
monitoring, 359–62
  Bennett’s wallaby and Tasmanian pademelon, 158–9
  birds, 78, 96, 98
  brushtail possum, 158, 160
  capacity to measure and monitor changes in forests, 348, 349, 371–82
effectiveness of, 379–80
  forest biodiversity (FORESTCHECK project), 84, 99
  forest condition, 380–2
  international monitoring and reporting, 378–9
  national monitoring and reporting, 375–8
  representative species, 98–106
  state and territory measurement, monitoring and reporting, 372–4
  variation across tenures and jurisdictions, 372, 378
water quality, 226–9
  see also compliance; data and datasets
Monterey pine aphid (Essigella californica), 178

Australia’s State of the Forests Report 2013 443
Montreal Process, 24
'forest available for wood production' definition, 123 reporting, 378
Montreal Process Implementation Group for Australia (MIG), 24, 395
Montreal Protocol, 235
Morrisby's gum (Eucalyptus morrisbyi), 111
mountain ash (Eucalyptus regnans), 18, 125, 198, 199, 274
mulga (Acacia aneura), 18
Multiple Lines of Evidence approach, 3, 28, 29, 32, 33–4, 48–58
multiple-use public forest, 3, 4, 21, 137
area, 29
area available for tourism and recreation, 249, 251, 295–6
area available/suitable for commercial wood production, 7–8, 120, 122–7
area harvested for wood, 8–9, 120, 122, 125–7
distribution, 36
disturbance activities, 217
forecast log supply, 152–3
fragmentation, 78
growing stock, 130
growth stages, 30
harvest volume, 8–9, 120, 136–45
management of non-wood values, 120, 122
net harvestable area, 120, 122, 125–7
protected, 67
regeneration/re-stocking, 120, 162–7
sustainable yield, 137–43
Murray–Darling Basin, 183, 222–3
Mycosphaerella spp., 179
Myrtaceae, threat to, 184–7
myrtle rust (Puccinia psidii), 6, 173, 175, 184–7

N

Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization, 115
national parks
National Indigenous Forestry Strategy, 344, 346, 357, 359
National Heritage List, 72, 307
National Inventory Report (on greenhouse gas emissions), 195
National Inventory Report (on greenhouse gas emissions), 195
national parks see nature conservation reserves
National Plantation Inventory (NPI), 2, 32, 131
forecast plantation log availability, 150–1
regions, 21, 22, 149
National Trust of Australia (Western Australia), 69
National Vegetation Information System (NVIS), 34, 56

native animals
adverse impact in forests, 176–7
harvesting, 119, 158–61, 263, 265, 269
removal, 119, 158
native cypress pine see cypress pine
native forest
aerial sowing after fire, 199
area, 2, 4, 29, 32, 37
area available/suitable for commercial wood production, 7–8, 120, 122–7
area by crown cover class, 39
area by growth stage and tenure, 61
area by IUCN protected-area categories, 73
area by jurisdiction, 41
area harvested for wood, 8–9, 120, 127–30
area on lands with Indigenous management regimes, 313–16
area on Register of the National Estate for Indigenous values, 305
areas protected for biodiversity conservation, 65–75
carbon dynamics of managed forests (case study), 246
carbon stored in, 241
crown cover and height classes, 37–40
distribution, 35, 39
drought impact, 172, 173–4, 182
effects of climate change, 6, 105, 152–3
genetic materials see genetic resources
harvest see harvest volume (forest wood products)
health see forest health
by jurisdiction, 38, 40–2, 73
maintenance of productive capacity, 118–21
management see forest management
multiple-use see multiple-use public forest
net harvestable area, 120, 122, 125–7
pests and diseases, 177, 179, 180–1, 182
products see harvest volume (forest wood products);
non-wood forest products; wood products
regeneration after harvest, 112, 120, 163–7
see also forest regeneration
types, 2, 15–20, 28, 39
value (standing timber), 366, 367
with World Heritage status, 74–5
see also multiple-use public forest; private forests; and specific types of forest: Acacia forest; Callitris forest; Casuarina forest; Eucalypt forest; Mangrove forest; Melaleuca forest; Other native forest; Rainforest

native pests, 6
native plants
bush foods (native food industry), 269, 280
forest-dwelling and forest-dependent species, 81–2
harvesting, 119, 154, 156–8, 269, 280
market-based initiatives for vegetation conservation, 273
regulation of ecologically sustainable use, 154
vegetation management on agricultural land, 324
see also specific species

native title, 302, 303, 312, 315–16, 340
see also Indigenous estate
Natural Resource Management Ministerial Council, 357
natural resource management projects, 78, 204, 207, 370
Nature Conservancy, 69
nature conservation reserves
area, 4, 29, 30, 205–6
description, 21
distribution, 36
forest area, 65, 66–9
forest growth stages, 30
formal reserves (definition), 66
fragmentation, 78
informal reserves (definition), 66
management codes of practice, 354, 362
new, 205–6
private CAR reserves (definition), 66
reports on, 373, 378
nature conservation reserves (continued)
   tourism and recreation, 249, 251, 295–6
   transfer of multiple-use public forest to reserves, 4, 8
   see also biodiversity conservation; forest conservation; forest management
Nature Conservation Trust (New South Wales), 69
NCAS see National Carbon Accounting System
NCLD see National Conservation Lands Database
NFI see National Forest Inventory
nitrous oxide, 235
non-forest, 3, 15, 29, 33, 37, 46, 48–9, 51–7, 66, 76, 80–1, 109, 158,
  167, 240–1, 262
non-forest habitats, habitat use of forest-dwelling and forest-dependent vertebrate species, 80–1
Non-Indigenous Heritage Sites of Australia, 10, 72, 251, 307–10
non-wood forest products, 9, 10, 119, 121, 158–61, 262–9
Non-Indigenous vertebrate species, 80–1
   see also emerging industries, 15, 162, 167, 262–9
   examples, 154, 263–8
   gross annual growth, 262–3
   harvest by Indigenous Australians, 154, 161
   impact on environment, 121, 154
   legislation relevant to harvesting, 155
   monitoring commercially harvested species, 99
   plant products, 154, 156–8, 267–9, 280
   production and consumption, 275, 279
   regulation, 154
   sustainable harvesting, 154–61
   sustainable management, 119
   tree-based industries (horticultural crops), 269
   value of production, 250
   values, quantities and use, 262–9
   yields, 154
   see also aromatic products; essential oils; honey; wildflowers
Northern quoll (Dasyurus hallucatus), 100
Nothofagus cunninghamii (myrtle), 137, 141
NPI see National Plantation Inventory
NRS see National Reserve System
NVIS see National Vegetation Information System
O
Observatory for the Forests of Central Africa, 379
Office of Environment and Heritage, New South Wales, 211, 216,
  359–60, 361, 373
old-growth forest, 4, 30, 59, 62, 127, 198, 287, 360, 374, 390–1
   open forest, 15, 18, 19
   area, 37–40, 42
   habitat use of forest-dwelling and forest-dependent vertebrate species, 80–1
   tenure, 42
other Crown land, 21, 36
Other forest, 2, 21
   area, 29, 30, 32, 37, 43
   area by IUCN protected-area categories, 73
   area by jurisdiction, 41
   defined, 15
   habitat use of forest-dwelling and forest-dependent vertebrate species, 81
Other native forest, 20, 34
   area, 37
   area by crown cover class, 39
   area by growth stage, 61
   area by IUCN protected-area categories, 73
   area by jurisdiction, 41
   area on Register of the National Estate for Indigenous values, 305
Other native forest (continued)
   distribution, 35
   in World Heritage areas, 74
Other special rights (of lands) see under Indigenous estate
   other woody vegetation, 3, 15, 33, 37, 46, 48–9, 51, 3, 55–6, 66, 81
   ownership of trees see under Industrial plantations
P
paper and paperboard, 252
   carbon stocks, 7, 242–3
   collection rate, 262, 283
   consumption, 243, 275, 279, 282, 283
   employment in product manufacturing, 327, 328
   from eucalypts (community attitudes), 252, 320
   fatalities and injuries in product manufacturing, 252, 333
   imports and exports, 251, 275, 279
   investment and expenditure, 291
   production volume and value, 259
   recycled, 9, 243, 251, 281, 282, 283–4
   research and development, 251, 292–3
   transferred to landfill, 243
paperbarks see Melaleuca, Melaleuca forest
   parasitoids, 175, 178
Parks and Wildlife Service, Tasmania, 212, 362, 390
Parks Victoria, 359
parrots, adverse impact in forests, 177
particleboard
   consumption, 277–8
   volume and value exported, 281
paths see pests and diseases
   pencil pine (Athrotaxis cupressoides), 182
pest management, 119, 177–8, 263, 265, 286, 386
pesticides, 174, 175, 176, 178
pests and diseases, 6, 86, 87, 172–82
   case study (myrtle rust), 184–7
   incidence and severity due to fire, 188, 191
   invertebrate pests, 172, 177–9, 191
   pathogens, 172, 176, 179–81, 184–7
   quarantine pests, 176
   vertebrate pests, 87, 98, 100, 119, 160, 172, 176–7, 262
   see also threats/threatening processes; weeds
Phascolarctos cinereus (koala), 92, 108, 109–10
Phyllocladus asplenifolius (celery-top pine), 141
Phytolophus, 6, 172, 173, 180
pigs see exotic species; game pig industry; vertebrate pests
pine
   Caribbean pine (Pinus caribaea), 134, 135, 178
   hoop (Araucaria cunninghamii), 113, 114, 134, 135, 178
   King Billy pine (Athrotaxis selaginoides), 141, 182
   maritime (Pinus pinaster), 134, 135, 182
   pencil pine (Athrotaxis cupressoides), 182
   Pinus taeda, 178
   radiata (Pinus radiata), 21, 134, 135, 173, 175, 177–8, 182, 338
   slash pine (Pinus elliottii), 134, 135
   southern, 135
pine plantations, 2, 6, 21, 252, 320, 338 see also softwood plantations
PIRSA see Department of Primary Industries and Resources
   South Australia
planned fires, 6, 173, 174, 188–9, 191–5, 239
plantation species
   with reproductive material in seed collections, 112
   in seed orchards, 113
   in tree improvement and breeding programs, 114
plantations
   area, 2, 43
   carbon stocks, 7, 238–40, 241, 242
   climatic events impacts, 182–3
plantations (continued)
commercial wood production availability, 8
community attitudes, 11, 252, 320–2
definition, 15
establishment/re-establishment, 119, 121, 131, 162, 167–70, 251, 288–90, 370
habitat use of forest-dwelling and forest-dependent vertebrate species, 81
hardwood see hardwood plantations
harvest volume, 120–1, 254–5 see also harvest volume
health see forest health
Industrial see Industrial plantations
investment in, 10, 288–90, 368–9
maintenance of productive capacity, 118–21
Other forest, 21
pest damage, 6
productivity, 112
purpose, 43, 119
regeneration, 112
softwood see softwood plantations
value (standing timber), 366, 367
water use, 219, 222–3
planted forests, 33, 43 see also Industrial plantations; softwood plantations; wildlife corridors
plants
native see native plants
threatened see threatened species
pulps, 134, 258, 268, 276 see also wood-based panels
policy and regulation, 11–12, 22, 119, 356–65
competitiveness, 366, 368
effectiveness of government policies in promoting conservation and sustainable management, 366–7
trade policy, 368
see also jurisdictions; legislation and legal/non-legal instruments
population monitoring, 31
possoms
adverse impact in forests, 176
monitoring, 158, 160
see also brushtail possum; Leadbeater’s possum
prescribed burning, 189, 195–6, 239
Primary Industries Ministerial Council, 357, 384
Primary Industries Standing Committee, 24, 357
private forests, 21, 23, 36
area available/suitable for commercial wood production, 122, 123–7
assessment of role, values and potential, 142
forecast log supply, 152
fragmentation, 78
harvest sustainability, 120, 136, 142
harvest volume, 145, 147–8
harvest yield, 142
importance for supply of hardwood lags, 120, 136
investment to improve management, 370
managed for conservation objectives, 65
public access for recreation and tourism, 295, 296
regeneration/re-stocking, 120, 162, 166
private land, managed for CAR values, 66, 67, 68–70
production see harvest volume (forest wood products); non-wood forest products; wood production; wood products
Productivity and Regulatory Reform Committee, 24, 357
professional bodies, 364
protected areas
area of forest in protected area categories, 65–75
definitions, 66
see also biodiversity conservation; nature conservation reserves
public participation see community participation
public perceptions see community attitudes
Puccinia psidii (myrtle rust), 6, 173, 184–7
pulps, 118, 137
annual harvests, 145–8
emissions and sequestrations of greenhouse gases during production, 245
forecast log supply, 149–52
harvest volume, 8–9, 120, 136–7, 143, 260
species, 135
pulpwood
from eucalypts (community attitudes), 252
for exported woodchips, 260–1
investment and expenditure, 291
plantation species, 135
pulp and paper manufacturing, 260, 291
volume and value, 143, 260
see also pulps
Q
Quambalaria shoot blight, 6, 173, 175, 179
quarantine pests, 176 see also pests and diseases
Queensland Parks and Wildlife Service, 166
Queensland western gum (Eucalyptus argophloia), 111, 114
quolls, 100
R
rabbits, 177 see also vertebrate pests
radiata pine (Pinus radiata), 21, 134, 135, 173, 175, 177–8, 182, 338
rainfall, 34
mean annual, 17
zones, 192
see also water quantity
Rainforest, 20
rainforest
area, 2, 29, 32, 33, 34, 37, 52
area by crown cover class, 39
area by growth stage, 61
area by IUCN protected-area categories, 73
area by jurisdiction, 41
area on Register of the National Estate for Indigenous values, 305
area reported in SOFR 2008 and SOFR 2013, 3, 29, 52
distribution, 35
ecosystems, 272
habitual use of forest-dwelling and forest-dependent vertebrate species, 81
types and description, 20
in World Heritage areas, 74
rainforest species, impact of pests and diseases, 185–6
recovery plans, 86
recreation and tourism see tourism and recreation
recycling, 9, 243, 251, 281–4
red box (Eucalyptus polyanthemos), 144
red ironbark (Eucalyptus sideroxylon), 112, 114, 144
red kangaroo (Macropus rufus), 158, 265
red mahogany (Eucalyptus pellita), 112, 113, 114, 182
red-tailed black-cockatoo (Calyptorhynchus banksii) (case study), 96–7
reforestation
genera sowing after fire, 199
protective functions, 207, 224
see also forest regeneration
regeneration (growth stage), 59, 60–1
regeneration (of forests) see forest regeneration
Regional Forest Agreements Act 2002 (RFA Act), 13, 23
Regional Forest Agreements (RFAs), 23, 29, 354–5
approach to forest conservation, 66, 372
forest area in RFA regions, 3, 29, 33, 43–5, 51, 54
threatened species protection, 86
Register of the National Estate (RNE), 72, 251, 301, 304, 307
Registered Professional Forester scheme, 364
regrowth (growth stage), 59, 60–1
in Tasmania (case study), 59
remote sensing, 191–3, 236
renewable energy production, 244
reporting see data and datasets; monitoring
ReptileWatch, 98
research and development, 10, 383–93
bushfires, 189, 199, 385
capacity, 10, 348, 349, 383–93
expenditure, 10, 251, 292–4
forest genetic resources, 111–12
investment, 249
national bodies, 383–9
researcher and technician numbers, 10, 383, 388–93
state and territory agencies, 10, 383, 389–93
university-based, 389, 390, 391
see also data and datasets
Research Priorities and Co-ordination Committee, 384
reserves see nature conservation reserves
reliance
community, 11, 249–50, 252, 334–9, 340–6
ecological, 380–1, 391
restocking see forest regeneration
revegetation, 78
RFAs see Regional Forest Agreements
Rhinella marina (cane toad), 98, 100, 177
RIRDC see Rural Industries Research and Development Corporation
Risdon peppermint (Eucalyptus risdonii), 111
river red gum (Eucalyptus camaldulensis), 18, 67, 96, 112, 114, 144
river regulation, 183
river she-oak (Casuarina cunninghamiana), 18
RNE see Register of the National Estate
road construction and maintenance, 204, 205
rotary-peeled veneer plants, 143
Royal Botanic Gardens, Melbourne, 112
Royal Botanic Gardens, United Kingdom, 112
Royal Tasmanian Botanical Gardens, 112
rural dieback see dieback
Rural Industries Research and Development Corporation, 387

S
salinity, 172, 183, 224, 370
sandalwood, 21, 137, 141, 154, 157–8, 267–8
Sarcophilius harrisii (Tasmanian devil), 98, 103–4, 108
sassafras (Atherosperma moschatum), 141
Save the Tasmanian Devil Program, 103
sawlogs, 118
annual harvests, 145–8
emissions and sequestrations of greenhouse gases during production, 245
forecast log supply, 149–53
harvest volume, 8–9, 120, 136–42
quota sawlogs, 138
species, 135
sustainable yield, 118, 137–42
Sawlogs for Salinity pilot project, 370
sawn wood, 251, 256–7, 275, 276–7 see also sawlogs
seed banks, 5, 31, 111–12
seed orchards, 5, 31, 111, 112, 113
seed-tree silviculture, 112
seed trees, 112
seeds (forest product), 9, 29, 121, 154, 156–7
selection logging, 8, 120, 122, 127–30
senescent (growth stage), 59, 60–2
in Tasmania (case study), 59
shelterwood systems, 8, 120, 122, 127–30
shining gum (Eucalyptus nitens), 112, 113, 134, 135, 176, 179, 180
silver wattle (Acacia dealbata), 141
sivertop ash (Eucalyptus sieberi), 18
silvicultural practices, 113
thinning, 223
silvicultural systems, 8, 120, 122, 127–30
silviculture, 112, 113, 119 see also forestry operations
Sirex wood wasp, 173, 175, 177–8
skins see animal products
slash pine (Pinus elliottii), 134, 135
social capital, 337
socio-economic benefits (overview), 248–52
softwood plantations, 21
area, 2, 30, 32, 37, 43, 120, 131, 132, 133–4
area by jurisdiction, 41
climatic events impacts, 182–3
establishment/re-establishment, 167–8, 170, 251, 288–90
forecast plantation log supply, 149–53
harvest volume, 9, 120–1, 136, 145–8, 254–5
investment in, 10, 288–90
pests and diseases, 173, 177–8, 180
potential effects of climate change, 152–3
species, 134, 135
Tumut case study, 338
value of logs harvested, 254–5
softwoods, 34
consumption of sawn wood, 251, 256, 276–7
greenhouse gases emitted during log production, 245
sequestered carbon in logs, 233, 234, 245
species and uses, 134, 135
woodchip exports, 256, 261
soil acidification, 172, 183
soil carbon stocks, 242
soil compaction, 212, 214, 216 see also soil physical properties
soil erosion
hazard assessment, 205, 209, 211, 217
knowledge base, 212, 218
mitigation, 202, 207, 208, 209, 212–13, 370
protective legal instruments and regulatory framework, 205,
208–10
soil physical properties, 202, 214–18
assessment during planning processes, 217
impact of forestry operations, 214
protective legal instruments and regulatory framework, 205,
212, 215–17
protective measures, 215
soil salinisation see salinity
South Australian Collection of Rare and Endangered Seeds (SACRED Seeds) Project, 112
South East Queensland Ecosystem Services Project, 272
southern pine, 135 see also Caribbean pine (Pinus caribaea); slash pine (Pinus elliottii)
southern (Tasmanian) blue gum (Eucalyptus globulus), 120, 131, 132, 133–4, 177, 179
Southern Tree Breeding Association (STBA), 113
special species timbers, 137, 141
species (categories)
critically endangered see Critically Endangered species (category)
derived see Endangered species (category)
dendemic see endemic species
oxotic see exotic species
extinct see Extinct species (category)
forest-dependent see forest-dwelling and forest-dependent species
forest-dwelling see forest-dwelling and forest-dependent species introduced see introduced species
threatened see threatened species
vulnerable see vulnerable species
species distribution prior to European settlement, 107
species diversity see under biodiversity
spinning gum (Eucalyptus perinniana), 111
spotted gum canker, 6, 173, 179
spotted gum (Corymbia maculata), 18, 112, 113, 114, 135, 381
spring needle cast, 6, 173, 175, 180
Standing Committee on Agriculture, Resources, Fisheries and Forestry (House of Representatives), 368
Standing Council on Primary Industries (SCoPI), 24, 357
‘state of the environment’ reports, 154–5, 366, 371, 373, 378
‘state of the forests’ reports, 372, 373, 375–9
‘state of the parks’ reports, 373, 378
states and territories see jurisdictions
storm damage, 6, 173, 182–3
Strategic Biodiversity Corridors Project, 78
stringybark
  Eucalyptus baxteri, E. arenacea, 96
  E. obliqua, 18
sugar gum (Eucalyptus cladocalyx), 112, 113, 114
sustainable diversion limit resource unit (water resources), 222
sustainable forest management, 1, 24, 348–9
criteria and indicators (C&I), 1, 12, 24, 395–8
see also forest management
sustainable management, defined, 366
sustainable yield see under harvest volume
swamp yate (Eucalyptus occidentalis), 112, 113
swift parrot (Lathamus discolor), 98, 101–2
Sydney blue gum (Eucalyptus saligna), 112, 113, 114, 135, 177
Syncarpiaceae, 20
Tasmania, forest growth stages (case study), 63–4
Tasmanian devil (Sarcophilus harrisii), 98, 103–4, 108
Tasmanian Forest Contractors Exit Assistance Program, 369
Tasmanian Forest Contractors Financial Support Program, 369
Tasmanian Forest Insect Collection, 82
Tasmanian Forest Practices Authority, 166, 168
Tasmanian Forests Intergovernmental Agreement, 369
Tasmanian pademelon (Thylagage billardierii), 99, 158–9, 265
Tasmanian Seed Conservation Centre, 112
Tasmanian (southern) blue gum (Eucalyptus globulus), 21, 107, 112, 113, 114, 135, 177, 179
Tasmanian special-species timbers, 137, 139, 141
tea-tree oil, 267
tea-trees see Melaleuca, Melaleuca forest
teach (Tectona grandis), 134, 135
Tectona grandis (teak), 134, 135
tenure (forest, see land tenure
Teratospoareia spp., 6, 173, 175, 179
Terrestrial Ecosystem Research Network, 385
territories (jurisdictions) see jurisdictions
tertiary education, 362, 389
thick-podded salwood (Acacia crassicarpa), 112
threat abatement plans, 85, 86, 176, 180
threatened ecological communities, 94–5
protection from firewood collection, 145
threatened species, 5, 29, 30–1
categories, 85
conservation status changes, 5, 30–1, 85, 91–3
distribution, 86, 88–9
genetic-related reasons, 108–9
population isolation, 107–9
protection from firewood collection, 145
specific species:
  barred galaxia, 198
  koala (Phascolarctos cinereus), 109–10
threatened species (continued)
Leadbeater’s possum (Gymnobelideus leadbeateri), 198, 199
native fish, 198, 199
northern quoll (Dasyurus hallucatus), 100
red-tailed black cockatoo (Calyptrhychnus banksii), 96–7
swift parrot (Lathamus discolor), 101–2
Tasmanian devil (Sarcophilus harrisii), 103–4
Threatened Species Scientific Committee, 86, 109–10
threats/threatening processes, 5, 31, 85–90
cane toads, 98, 100
definitions, 85
isolation of populations, 107–9
key threatening processes, 85–6, 176
koalas, 109
relating to forest flora and fauna, 87, 90–3, 96, 100–6
see also pests and diseases
Thylagage billardierii (Tasmanian pademelon), 99, 158–9, 265
timber
processing, 369
sawn wood, 251, 256–7, 275, 276–7 see also sawlogs
special-species timbers, 137, 141
wholesaling (employment), 327, 328
see also sawlogs; wood products
Timber Queensland, 216, 226
Toolangi Forest Discovery Centre, 359
tourism and recreation, 249, 295–6
area available, 249, 251
financial valuation, 249
Indigenous employment, 316
infrastructure planning, 225
range and use of facilities, 249, 251, 297–300
visits to forest-based tourism destinations, 271, 273, 298–9
see also multiple-use public forest
trade policy, 368
training and skills development, 345–6
tree-breeding, 5, 31, 111, 113–14
tree ferns, 99, 156
tree improvement programs, 113, 114, 119
tree planting for carbon sequestration, 322–3
TREPLAN® genetic evaluation system, 113
Trijchousrus vulgaris (common brushtail possum), 99, 158, 160
tropical cyclones, 6, 173, 175
Trust For Nature (Victoria), 69
turbdity, 225, 228, 229
U
Ulladulla Local Aboriginal Land Council, 316
UNESCO World Heritage List see World Heritage List
United Nations Convention on Biological Diversity, 24, 379
Nagoya Protocol, 115
Strategic Plan for Biodiversity 2011–2020, 30, 65, 72
United Nations Forum on Forests, 115
United Nations Framework Convention on Climate Change, 235, 379
University of Melbourne, 391
University of New England, 113, 246
United Nations of New South Wales, 135, 390
University of Tasmania, 385, 391
unslicated fire, 6, 173, 188–9, 191–5
unresolved tenure, 21, 36
Uraba lugens (gumleaf skeletoniser), 179
urban development, 3, 4, 76, 91–2, 110, 240
Uredo rangelii see Puccinia psidii

valuation of water from forested catchments, 274
value-adding, 253

varnished gum (Eucalyptus verrucosa), 111
Vegetation Assets States and Transitions (VAST) framework, 380, 381–2
vegetation mapping see National Vegetation Information System
veneer products, 118, 143, 258
vertebrate pests, 87, 98, 100, 119, 160, 172, 176–7, 262, 269
VicForests, 164, 198, 210, 220, 287, 360, 372
Victorian Conservation Seedbank, 112
Victorian Forest Monitoring Program, 99, 373–4
visits to forest-based tourism destinations, 271, 273, 298–9
vocational education and training, 340, 345–6, 363
Vulnerable species (category), 31, 85, 86, 91–3
koala (Phascolarctos cinereus), 92, 108
red-tailed black-cockatoo (Calyptorhynchus banksii naso), 96–7

W

wallabies
adverse impact in forests, 176
harvest value, 266
harvest volume, 159, 266
protected, 158, 165
sustainable management of harvest, 158
Warra Long-term Ecological Research, Tasmania, 82, 98, 99, 105–6, 387, 390
waste
paper, 243, 282
waste streams, 243, 282
wood waste, 145, 244, 281–2, 283
see also landfill; recycling
water buffalo see exotic species; vertebrate pests
water quality, 6, 7, 202, 203, 207, 224–9
water quantity, 202, 203, 219–23
water resources planning, 222–3
water supply, 204, 205–6, 219, 225
water, valuation of, 274
water yields, 6, 7, 202–3, 219–22, 274
weather see climatic events
weeds, 87, 172, 181–2
western grey kangaroo (Macropus fuliginosus), 158, 265
white mangrove (Avicennia marina), 19
Wilderness Society, 315
wildfire, 6, 7, 32, 139, 173, 189
carbon stock losses, 237, 240, 241
data, 195
forest area burnt, 174, 195, 213, 225, 239
mega-fires, 190, 196–9
see also fire; bushfires
wildflowers, 9, 121, 154, 156–7
wildlife corridors, 77, 78
wind and storm damage, 6, 173, 182–3
wood-based panels, 118, 258
consumption, 277–8
wood production, 253
forecast plantation log supply, 149–53
industry structural change, 249–50
native forest area available/suitable, 7–8, 120, 122–7
native forest productive capacity management, 118
plantation forests, 119, 120–1
plantation species and uses, 21, 134, 135
potential effects of climate change, 152–3
production and consumption, 248, 250–1
research and development, 251, 292–4
value, 250–1, 253–8
value added, 253
volume, 120, 136
see also forest industries; harvest volume
wood products (continued)
employment in product manufacturing, 327, 331–2, 335–9
fatalities and injuries in product manufacturing, 252, 333
firewood, 9, 118, 120, 136, 144–5, 239
fuelwood, 9, 118, 120, 136, 144–6
imports and exports, 250–1, 256–61, 275–9, 355
industry value, 9
investment and expenditure, 290–1, 369
main products, 118, 134, 137
national wood products model, 242–3
other wood products, 144
paper products see paper and paperboard
particleboard, 277–8, 281
pulplogs see pulplogs
sawlogs see sawmills
sawn wood, 251, 256–7, 275, 276–7
special species timbers, 137, 141
trade, 9
transferred to landfill, 243
value, 250–1, 253–8
veneer products, 118, 143, 258
wood-based panels, 118, 258, 277–8
see also specific products: paper and paperboard; pulplogs; pulpwod; sawlogs; woodchips
wood waste see under waste
woodchips
emissions and sequestrations of greenhouse gases during production, 245
volume and value exported, 251, 256, 260–1, 275–6, 281
woodland forest, 15, 18, 19
area, 29, 34, 37–40, 42
distribution, 35
habitat use of forest-dwelling and forest-dependent vertebrate species, 80
tenure, 42
worker characteristics see under employment
World Heritage areas, Indigenous estate, 314
World Heritage List, 30, 65, 74–5
forested areas, 74
Greater Blue Mountains World Heritage Area, 199
World Intellectual Property Organization, Intergovernmental Committee on Intellectual Property and Genetic Resources, Traditional Knowledge and Folklore, 115

Y

yellow box (Eucalyptus melliodora), 144
yellow gum (Eucalyptus leucoxylon), 96
Above: View of the Atherton Tablelands, Queensland.