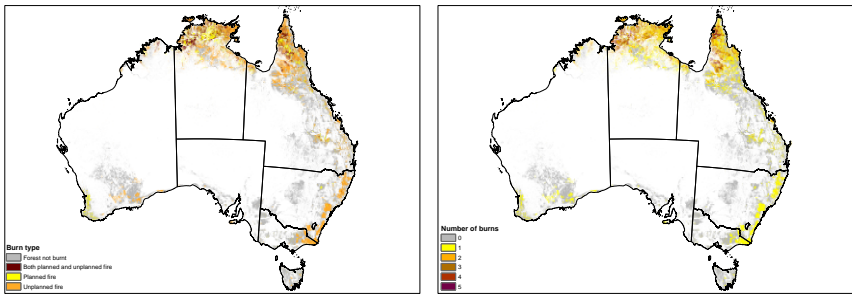


Resource title	Fires in Australia's Forests 2016–21 (2024) dataset
Graphic(s)	
Citation	ABARES 2024, <i>Fires in Australia's Forests 2016–21 (2024)</i> , Australian Bureau of Agricultural and Resource Economics and Sciences, Canberra, October. CC BY 4.0
Digital object identifier (DOI)	https://doi.org/10.25814/b28t-qj03
Custodian	Australian Government Department of Agriculture, Fisheries and Forestry – Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES)
Jurisdiction	Australia
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Email	Info.ABARES@aff.gov.au
Abstract	<p><i>Fires in Australia's Forests 2016-21 (2024)</i> is a continental spatial dataset of the extent and frequency of planned and unplanned fires occurring in forest in the five financial years between July 2016 and June 2021, assembled for the 2024 update of Indicator 3.1b for Australia's State of the Forests Report. It was developed from multiple fire area datasets contributed by state and territory government agencies, after consultation with Australia's Forest Fire Management Group. The fire dataset is then combined with forest cover information sourced from the Forests of Australia (2023) dataset, and forest tenure information sourced from the Tenure of Australia's forests (2023) dataset.</p> <p>Planned fire: Fire started in accordance with a fire management plan or planned burning program, such as fuel-reduction burning or prescribed burning.</p> <p>Unplanned fire: Fire started naturally (such as by lightning), accidentally, or deliberately (such as by arson), but not in accordance with planned fire management prescriptions. Also called bushfire or wildfire.</p> <p>The dataset was compiled by the Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES) for the National Forest Inventory (NFI), a collaborative partnership between the Australian and state and territory governments. The role of the NFI is to collate, integrate and communicate information on Australia's forests. The NFI applies a national</p>

	<p>classification to state and territory data to allow seamless integration of these datasets. Multiple independent sources of external data are used to fill data gaps and improve the quality of the final dataset.</p> <p>Forest areas burnt by fire are allocated by the month of the fire to a financial year (July–June inclusive). Where more than one fire event occurs on any one hectare during a financial year, only the first fire is recorded for that area in the financial year. Fires are also classified into two categories, planned and unplanned, based on the fire seasonality and advice from state and territory agencies.</p> <p>The <i>Fires in Australia's forests 2016–21 (2024)</i> dataset is produced to fulfil requirements of Australia's <i>National Forest Policy Statement</i> and the <i>Regional Forests Agreement Act 2002</i> (Cwth), and is used by the Australian Government for domestic and international reporting.</p>
Purpose	For describing fires in Australia's forests, as reported in 2024 update of Indicator 3.1b for Australia's State of the Forests Report .
ANZLIC search words	<p>FORESTS</p> <p>FORESTS Natural</p> <p>FORESTS Plantation</p> <p>HAZARDS</p> <p>HAZARDS fire</p> <p>VEGETATION</p> <p>VEGETATION Floristic</p> <p>VEGETATION Structural</p>
Keyword(s)	<p>Forest</p> <p>Fire</p> <p>Bushfire</p> <p>Wildfire</p> <p>Prescribed fire</p> <p>Prescribed burn</p> <p>Planned fire</p> <p>Unplanned fire</p> <p>Australia</p>
Sources used to generate this resource	<p>Fire information used to develop the <i>Fires in Australia's forests 2016–21 (2024)</i> dataset was sourced from:</p> <ul style="list-style-type: none"> • ACT Parks and Conservation Service • New South Wales Rural Fire Service • Northern Australian Fire Information website, with advice from Northern Territory Department of Environment and Natural Resources • Queensland Government Open Data Portal • South Australia Government Data Directory • Tasmania Department of Natural Resources and Environment • Victorian Government Data Portal • Western Australian Government Data Portal

Publication date	28 October 2024
Latest date of information/currency	30 June 2021
Data file name	Fire_for16-21
Resources for download	<p><u>Spatial data:</u></p> <ul style="list-style-type: none"> • Esri Grid (raster) and Layer file formats (compatible with Esri ArcGIS) • GeoTIFF (raster) (compatible with open-source GIS software) <p><u>Tabular data:</u></p> <ul style="list-style-type: none"> • Excel worksheet containing all attributes (for joining attributes to GeoTIFF and to support tabular analysis) • CSV worksheet containing all attributes (for joining attributes to GeoTIFF and to support tabular analysis) • Excel workbook containing colour look-up-tables (LUTs) for symbolising number of times forest was burnt and forest fire type. <p>Due to the complexity of this dataset, a version in vector format is not available.</p>
Compressed file size	ESRI GRID ZIP - 108,379 KB; GeoTIFF ZIP – 109,175 KB
Geographic extent	<p>Australia's mainland and close offshore islands, excluding external territories.</p> <p>North bounding Latitude: -8.2° South bounding Latitude: -44.4° East bounding Longitude: 157.2° West bounding Longitude: 109.5°</p>
Spatial resolution/cell size	1 hectare/100 x 100 metre
Spatial reference	<p>ESPG:3577 GDA94 Australian Albers</p> <p>Coordinate system: GDA_1994_Albers False Easting: 0 False Northing: 0 Central meridian: 132° Standard parallels: -18°, -36° Latitude of origin: 0° Datum: D_GDA_1994</p>
Positional accuracy	<p>Horizontal: ±100 metres Vertical: not applicable</p>
Attribute accuracy	Attributes are compiled exercising due care and skill. However, accuracy of attributes is in part dependent on accuracy of data supplied to ABARES and therefore cannot be guaranteed.
Completeness	<p>Coverage: Dataset provides coverage of 100% of Australia excluding external territories.</p> <p>Attributes: Fire type (planned and unplanned) information is available for all burnt forest areas.</p>
Update frequency	5 years

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Access constraints	No restriction, nil cost.
Use constraints	<p>CC BY 4.0 permits:</p> <p>Share – users may copy and redistribute the material in any medium or format.</p> <p>Adapt – users may remix, transform, and build upon the material for any purpose, even commercially.</p> <p>Attribution – users must give appropriate credit using the citation listed, provide a link to the licence, and indicate if changes were made. Users may do so in any reasonable manner, but not in any way that suggests the licensor endorses the use.</p>
Disclaimer	<p>The Australian Government acting through the Department of Agriculture, Fisheries and Forestry, represented by the Australian Bureau of Agricultural and Resource Economics and Sciences, has exercised due care and skill in preparing and compiling the information and data in this publication.</p> <p>Notwithstanding, the Department of Agriculture, Fisheries and Forestry, ABARES, its employees and advisers disclaim all liability, including liability for negligence and for any loss, damage, injury, expense or cost incurred by any person as a result of accessing, using or relying on any of the information or data in this publication to the maximum extent permitted by law.</p>
Metadata date	15 October 2024
Additional metadata	Documentation on dataset lineage, and attribute data descriptions and lookup tables for the <i>Fires in Australia's forest 2016–21 (2024)</i> dataset, are available from the Fires in Australia's forests spatial data webpage.