

<b>Title</b>	Historical Fire Extent and Severity Mapping (FESM) - Statewide 2012-13
<b>Alternative title(s)</b>	FESM - 2012/13
<b>Abstract</b>	<p>Fire severity is a metric of the loss of biomass caused by fire. In collaboration with the NSW Rural Fire Service, the department's Remote Sensing &amp; Regulatory Mapping team has developed a semi-automated approach to mapping fire extent and severity through a machine learning framework based on satellite imagery.</p> <p>The method uses standardised classes to allow comparison of different fires across the landscape. The FESM severity classes include: unburnt, low severity (burnt understory, unburnt canopy), moderate severity (partial canopy scorch), high severity (complete canopy scorch, partial canopy consumption), extreme (full canopy consumption).</p> <p>Here we provide statewide historical severity mapping of fires &gt;100ha for the 2012-13 fire year, which is based on Landsat satellite imagery (30m pixels). From 2016/17 to the current fire year is covered in the statewide FESM data, which is based on Sentinel 2 satellite imagery (10m pixels).</p>
<b>Resource locator</b>	
<a href="#">Data Quality Statement</a>	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for Historical Fire Extent and Severity Mapping (FESM) - Blue Mountains Region</p> <p>Function: download</p>
<a href="#">FESM - Statewide 2012-13 - Hazard Reduction Burns</a>	<p>Name: FESM - Statewide 2012-13 - Hazard Reduction Burns</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p>
<a href="#">FESM - Statewide 2012-13 - Wildfires</a>	<p>Name: FESM - Statewide 2012-13 - Wildfires</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p>
<a href="#">Disclaimer</a>	<p>Name: Disclaimer</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p>
<b>Unique resource identifier</b>	
<b>Code</b>	4d0de137-501e-495a-9b00-e802678f3ad7
<b>Presentation form</b>	Image digital
<b>Edition</b>	FESMv3
<b>Dataset language</b>	English
<b>Metadata standard</b>	
<b>Name</b>	ISO 19115
<b>Edition</b>	2016

<b>Dataset URI</b>	<a href="https://datasets.seed.nsw.gov.au/dataset/4d0de137-501e-495a-9b00-e802678f3ad/">https://datasets.seed.nsw.gov.au/dataset/4d0de137-501e-495a-9b00-e802678f3ad/</a>
<b>Purpose</b>	fire management planning and reporting, landscape and fire ecology research
<b>Status</b>	Completed
<b>Spatial representation type</b>	grid
<b>Spatial reference system</b>	
Code identifying the spatial reference system	4283
<b>Spatial resolution</b>	30 m
<b>Topic category</b>	

<b>Keyword set</b>	
keyword value	HAZARDS-Fire ECOLOGY-Landscape ECOLOGY-Habitat VEGETATION
<b>Originating controlled vocabulary</b>	
Title	ANZLIC Search Words
Reference date	2008-05-16
<b>Geographic location</b>	
West bounding longitude	141
East bounding longitude	154
North bounding latitude	-37.7
South bounding latitude	-28
NSW Place Name	NSW
<b>Vertical extent information</b>	
Minimum value	-100
Maximum value	2228
<b>Coordinate reference system</b>	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
<b>Temporal extent</b>	
Begin position	2012-01-07
End position	N/A
<b>Dataset reference date</b>	
<b>Resource maintenance</b>	
Maintenance and update frequency	Not planned
<b>Contact info</b>	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
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Responsible party role	pointOfContact

**Lineage**

Individual fire events are processed then mosaicked into a statewide layer for each fire year in the record.

**Limitations on public access****Responsible party**

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Responsible party role	pointOfContact

**Metadata point of contact**

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Responsible party role	pointOfContact

**Metadata date** 2025-02-21T00:59:39.368442

**Metadata language**