Title	Historical Fire Extent and Severity Mapping (FESM) - Statewide 2010-11
Alternative title(s)	FESM - 2010/11
Abstract	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 & Regulatory Mapping team has developed a semi-automated approach to mapping fire extent and severity through a machine learning framework based on satellite imagery.
	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).
	Here we provide statewide historical severity mapping of fires >100ha for the 2010- 11 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).
Resource locato	r
Data Quality	Name: Data Quality Statement
Statement	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Data quality statement for Historical Fire Extent and Severity Mapping (FESM) - Blue Mountains Region
	Function: download
FESM - Statewide	Name: FESM - Statewide 2010-11 - Hazard Reduction Burns
<u>2010-11 - Hazard</u> Reduction Burns	Protocol: WWW:DOWNLOAD-1.0-httpdownload
REQUCTION BULUS	Function: download
<u>FESM - Statewide</u>	Name: FESM - Statewide 2010-11 - Wildfires
<u>2010-11 -</u> Wildfires	Protocol: WWW:DOWNLOAD-1.0-httpdownload
withtes	Function: download
Disclaimer	Name: Disclaimer
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Function: download
Unique resource	identifier
Code	71ff50c1-b851-4fbd-b94c-1dc5e387c071
Presentation form	Image digital
Edition	FESMv3
Dataset language	English
Metadata standa	ard
Name	ISO 19115
Edition	2016
	https://datasets.seed.nsw.gov.au/dataset/71ff50c1-b851-4fbd-b94c-1dc5e387c071

Dataset URI		
Purpose	fire management planning and reporting, landscape and fire ecology research	
Status	Completed	
Spatial representation type	grid	
Spatial reference system		
Code identifying the spatial reference system	4283	
Spatial resolution	30 m	
Topic category		

Keyword set				
keyword value	HAZARDS-Fire			
	ECOLOGY-Landscape			
	ECOLOGY-Habitat			
	VEGETATION			
Originating controlled vocabulary				
Title	ANZLIC Search Words			
Reference date	2008-05-16			
Geographic location				
West bounding longitude	141			
East bounding longitude	154			
North bounding latitude	-37.7			
South bounding latitude	-28			
NSW Place Name	NSW			
Vertical extent information				
Minimum value	-100			
Maximum value	2228			
Coordinate reference system				
Authority code	urn:ogc:def:cs:EPSG::			
Code identifying the coordinate reference system	5711			
Temporal extent				
Begin position	2010-01-07			
End position	N/A			
Dataset reference date				
Resource maintenance				
Maintenance and update frequency	Not planned			
Contact info				
Contact position	Data Broker			
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water			
Telephone number	131555			
Email address	data.broker@environment.nsw.gov.au			
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew			

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	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact

Metadata point of contact

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Responsible party role	pointOfContact	
Metadata date	2025-02-21T01:00:37.768060	
Metadata language		