Title	Historical Fire Extent and Severity Mapping (FESM) - Statewide 2014-15	
Alternative title(s)	FESM - 2014/15	
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 2014-15 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 2014-15 - Hazard Reduction Burns	
2014-15 - Hazard Reduction Burns	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Function: download	
FESM - Statewide	Name: FESM - Statewide 2014-15 - Wildfires	
<u>2014-15 -</u> <u>Wildfires</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Function: download	
<u>Disclaimer</u>	Name: Disclaimer	
	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Function: download	
Unique resource identifier		
Code	5c8ba8c8-2518-460c-be6c-0901e4b77a3f	
Presentation form	Image digital	
Edition	FESMv3	
Dataset language	English	
Metadata standard		
Name	ISO 19115	
Edition	2016	
	https://datasets.seed.nsw.gov.au/dataset/5c8ba8c8-2518-460c-be6c-0901e4b77a3f	

Dataset URI	
Purpose	fire management planning and reporting, landscape and fire ecology research
Status	Completed
Spatial representation type	grid
Spatial reference	e 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	2014-01-07			
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			
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

Contact position Data Broker

Organisation name NSW Department of Climate Change, Energy, the Environment and Water

Telephone number 131555

Email address <u>data.broker@environment.nsw.gov.au</u>

Web address https://www.nsw.gov.au/departments-and-agencies/dcceew

Responsible party role pointOfContact

Metadata point of contact

Contact position Data Broker

Organisation name NSW Department of Climate Change, Energy, the Environment and Water

Telephone number 131555

Email address <u>data.broker@environment.nsw.gov.au</u>

Web address https://www.nsw.gov.au/departments-and-agencies/dcceew

Responsible party role pointOfContact

Metadata date 2025-02-21T00:55:47.354101

Metadata language