Title	Fire Heterogeneity Index - Statewide	
Alternative title(s)	FHI	
Abstract	Remote sensing scientists from the NSW Department of Climate Change, Energy, the Environment and Water (NSW DCCEEW) Science and Insights Division have developed a new approach to mapping the landscape patterns of high severity fire, based on NSW Fire Extent and Severity Mapping (FESM).	
	High severity fire impacts an ecosystem by completely scorching or consuming the canopy biomass. Such impacts can be harmful to biodiversity, although some species benefit or even depend on this level of fire impact.	
	Recent advances in remote sensing of fire and innovative computation solutions by DCCEEW Remote Sensing Scientists offer accessibility to data on fire severity and landscape patterns of fire heterogeneity across broad regions.	
Resource locato	r	
<u>Data Quality</u> <u>Statement</u>	Name: Data Quality Statement	
	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	Data quality statement for Fire Heterogeneity Index	
	Function: download	
<u>Factsheet</u>	Name: Factsheet	
	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	FHI Factsheet	
	Function: download	
<u>Published journal</u>	Name: Published journal article	
<u>article</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	Remotely Sensed Fire Heterogeneity and Biomass Recovery Predicts Empirical Biodiversity Responses	
	Function: download	
Unique resource identifier		
Code	87d464b8-b9bb-46a7-83cf-02d5ed802a9c	
Presentation form	Image digital	
Edition	v1	
Dataset language	English	
Metadata standard		
Name	ISO 19115	
Edition	2016	
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/87d464b8-b9bb-46a7-83cf-02d5ed802a9c	

Purpose	fire management and 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	140.27344		
East bounding longitude	155.08301		
North bounding latitude	-36.35477		
South bounding latitude	-27.99906		
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	2006-01-07		
End position	N/A		
Dataset reference date			
Resource maintenance			
Maintenance and update frequency	Annually		
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

The fire heterogeneity index (FHI) layers are derived from the Fire Extent and Severity Mapping products, which are generated through a machine learning framework based on Sentinel 2 or Landsat satellite imagery. The high and extreme severity areas are the basis for the calculation of the FHI.

Limitations on public access

Responsible party

Contact position Data Broker

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

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Metadata date 2025-04-16T21:50:40.962535

Metadata language