Title	Fire Heterogeneity Index (FHI) - Kosciuszko Region	
Alternative title(s)	FHI Kos	
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	
Data Quality	Name: Data Quality Statement	
Statement	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	Data quality statement for Fire Heterogeneity Index (FHI) 2023/24	
	Function: download	
Raw FHI	Name: Raw FHI Kosciuszko	
<u>Kosciuszko</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Function: download	
Classified FHI	Name: Classified FHI Kosciuszko	
Classified FHI Kosciuszko	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Function: download	
<u>Factsheet</u>	Name: Factsheet	
racisneei	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Function: download	
Dublish ad issues at		
<u>Published journal</u> <u>article</u>	Name: Published journal article	
	Protocol: WWW:DOWNLOAD-1.0-httpdownload Description:	
	Remotely Sensed Fire Heterogeneity and Biomass Recovery Predicts Empirical Biodiversity Responses	
	Function: download	
Unique resource		
Code	f2fc6283-19f7-44d9-b572-4b92a145c8a8	
	121C020J-131/-44U3-NJ/Z-4N3ZQ14JC0QO	
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/f2fc6283-19f7-44d9-b572-4b92a145c8a8	
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	147.99683			
East bounding longitude	148.89771			
North bounding latitude	-36.9305			
South bounding latitude	-35.35135			
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	1989-01-07			
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			
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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 2025-04-16T22:20:53.921008

Metadata language