

Title	Fire Heterogeneity Index (FHI) 2023/24
Alternative title(s)	FHI 23/24
Abstract	<p>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).</p> <p>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.</p> <p>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.</p>
Resource locator	
<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 Fire Heterogeneity Index (FHI) 2023/24</p> <p>Function: download</p>
<a href="#">Factsheet</a>	<p>Name: Factsheet</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Function: download</p>
<a href="#">Raw FHI 23/24</a>	<p>Name: Raw FHI 23/24</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Raw FHI values for NSW Wildfires in the 2023-24 fire year</p> <p>Function: download</p>
<a href="#">Classified FHI 23/24</a>	<p>Name: Classified FHI 23/24</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Classified FHI product for NSW Wildfires in the 2023-24 fire year</p> <p>Function: download</p>
<a href="#">Published journal article</a>	<p>Name: Published journal article</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Remotely Sensed Fire Heterogeneity and Biomass Recovery Predicts Empirical Biodiversity Responses</p> <p>Function: download</p>
Unique resource identifier	
Code	781cc689-30dd-41a3-b733-709909536131
Presentation form	Image digital

Edition	v1
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	<a href="https://datasets.seed.nsw.gov.au/dataset/781cc689-30dd-41a3-b733-709909536131">https://datasets.seed.nsw.gov.au/dataset/781cc689-30dd-41a3-b733-709909536131</a>
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	

<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	140.27344
East bounding longitude	155.08301
North bounding latitude	-36.35477
South bounding latitude	-27.99906
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	2023-01-07
End position	N/A
<b>Dataset reference date</b>	
<b>Resource maintenance</b>	
Maintenance and update frequency	Annually
<b>Contact info</b>	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
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Web address	<a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>
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		
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Telephone number	131555		
Email address	<a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>		
Web address	<a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>		
Responsible party role	pointOfContact		
Metadata point of contact			
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Web address	<a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>		
Responsible party role	pointOfContact		
Metadata date	2025-04-16T21:50:07.467752		
Metadata language			