Title	Fire Heterogeneity Index (FHI) - Sturt Region
Alternative title(s)	FHI Sturt
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 locator	r
<u>Data Quality</u>	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 Sturt	Name: Raw FHI Sturt
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Function: download
Classified FHI	Name: Classified FHI Sturt
Sturt	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Function: download
<u>Factsheet</u>	Name: Factsheet
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Function: download
<u>Published journal</u>	Name: Published journal article
article	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Remotely Sensed Fire Heterogeneity and Biomass Recovery Predicts Empirical Biodiversity Responses
	Function: download
Unique resource	identifier
Code	54d67cb0-592e-40d9-85db-507a6a6fc4fa
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/54d67cb0-592e-40d9-85db-507a6a6fc4fa	
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		

Reyword value Reyword value Reference date Reference date Responsible party role Reference date Responsible party role Reference date Responsible party role RANZLIC Search Words Reference date Reference date Responsible party role ROBA-9-1-6 REFERENCE SEARCH RESPONSIble party role REFERENCE SEARCH RESPONSIBLE party role RESPONSIBLE party role ROBA-9-1-6 RESPONSIBLE Party role REFERENCE SEARCH RESPONSIBLE Party role ROBA-9-1-6 REFERENCE SEARCH REFERENCE	Keyword set				
ECOLOGY-Habitate VEGETATION Originating controlled vocabulary Titlle ANZLIC Search Words Reference date 2008-05-16 Geographic location West bounding longitude 140-98206 East bounding longitude 142-44324 North bounding lattude -29,55176 South bounding lattude -28,96229 NSW Place Name NSW Vertical extent information 100 Maximum value 2228 Coordinate reference system 5711 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 Annually Contact info Contact position 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	keyword value	HAZARDS-Fire			
Originating controlled vocabulary Title ANZLIC Search Words Reference date 2008-05-16 Geographic location West bounding longitude 140.98206 East bounding longitude 142.44324 North bounding latitude -29.55176 South bounding latitude -28.96229 NSW Place Name NSW Vertical extent information Minimum value 2228 Coordinate reference system Authority code urn.ogc.defr.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 info Organisation name NSW Department of Climate Change, Energy, the Environment and Water Telephone number 131555 Email address data.broker@environment.nsw.gov.au https://www.nsw.gov.au/departments-and-agencies/doceew https://www.nsw.gov.au/departments-and-agencies/doceew https://www.nsw.gov.au/departments-and-agencies/doceew		ECOLOGY-Landscape			
Title ANZLIC Search Words Reference date 2008-05-16 Geographic location West bounding longitude 140-98206 East bounding longitude 142-44324 North bounding latitude -29.55176 South bounding latitude -28.96229 NSW Place Name NSW Vertical extent information Minimum value 2028 Coordinate reference system		ECOLOGY-Habitat			
Title Reference date 2008-05-16 Geographic location West bounding longitude 140-98206 East bounding longitude 142-44324 North bounding latitude -29.55176 South bounding latitude -28.96229 NSW Place Name NSW Vertical extent information Minimum value -100 Maximum value 2228 Coordinate reference system Authority code urn.ogc:defr.cs:EPSG:: Code identifying the coordinate reference system 1989-01-07 End position 1989-01-07 End position N/A Dataset reference date Resource maintenance Maintenance and update frequency Annually Contact info Organisation name NSW Department of Climate Change, Energy, the Environment and Water Telephone number 131555 Email address data.broker@environment.nsw.gov.au https://www.nsw.gov.au/departments-and-agencies/dcceew https://www.nsw.gov.au/departments-and-agencies/dcceew		VEGETATION			
Reference date 2008-05-16 Geographic location West bounding longitude 140-98206 East bounding longitude -29.55176 South bounding latitude -29.55176 South bounding latitude -28.96229 NSW Place Name NSW Vertical extent information Minimum value -100 Maximum value 2228 Coordinate reference system Authority code urro.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 Organisation name NSW Department of Climate Change, Energy, the Environment and Water Telephone number 131555 Email address data_broker@environment.nsw.gov.au https://www.nsw.gov.au/departments-and-agencies/dcceew	Originating controlled vocabulary				
Geographic location West bounding longitude 140.98206 East bounding longitude 142.44324 North bounding latitude -29.55176 South bounding latitude -28.96229 NSW Place Name NSW Vertical extent information Minimum value 100 Maximum value 2228 Coordinate reference system Authority condinate reference system Code identifying the coordinate reference system 1989-01-07 End position 1989-01-07 End position N/A Dataset reference date Resource maintenance Maintenance and update frequency Annually Contact info Organisation name NSW Department of Climate Change, Energy, the Environment and Water Telephone number 131555 Email address data. hrose-genvironment.nsw.gov.au Mtos://www.nsw.gov.au/departments-and-agencies/doceew https://www.nsw.gov.au/departments-and-agencies/doceew	Title	ANZLIC Search Words			
West bounding longitude 140.98206 East bounding longitude 142.44324 North bounding latitude -29.55176 South bounding latitude -28.96229 NSW Place Name NSW Vertical extent information Minimum value 2228 Coordinate reference system 2228 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 Organisation name NSW Department of Climate Change, Energy, the Environment and Water Telephone number 131555 Email address data.broker@environment.nsw.gov.au/departments-and-agencies/dcceew	Reference date	2008-05-16			
East bounding longitude 142.44324 North bounding latitude -29.55176 South bounding latitude -28.96229 NSW Place Name NSW Vertical extent information Minimum 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 info Organisation name NSW Department of Climate Change, Energy, the Environment and Water Telephone number 131555 Email address dates https://www.nsw.gov.au/departments-and-agencies/dcceew https://www.nsw.gov.au/departments-and-agencies/dcceew	Geographic location				
North bounding latitude -29.55176 South bounding latitude -28.96229 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 Telephone number 131555 Email address data. broker@environment.nsw.gov.au Meb address https://www.nsw.gov.au/departments-and-agencies/dcceew	West bounding longitude	140.98206			
South bounding latitude 728.96229 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 1989-01-07 End 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 Telephone number 131555 Email address data_broker@environment.nsw.gov.au Web address https://www.nsw.gov.au/departments-and-agencies/dcceew	East bounding longitude	142.44324			
NSW Place Name Vertical extent information Minimum value -100 Maximum value 2228 Coordinate reference system Authority code Code identifying the coordinate reference system Permoral extent Begin position 1989-01-07 End position N/A Dataset reference date Resource maintenance Maintenance and update frequency Annually Contact position Data Broker Organisation name NSW Department of Climate Change, Energy, the Environment and Water Telephone number Email address data.broker@environment.nsw.gov.au https://www.nsw.gov.au/departments-and-agencies/dcceew https://www.nsw.gov.au/departments-and-agencies/dcceew	North bounding latitude	-29.55176			
Vertical extent information Minimum value -100 Maximum value 2228 Coordinate reference system Authority code urn:ogc:def:cs:EPSG:: S711 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 Telephone number 131555 Email address data.broker@environment.nsw.gov.au Web address https://www.nsw.gov.au/departments-and-agencies/dcceew	South bounding latitude	-28.96229			
Maximum value -100 Maximum value 2228 Coordinate reference system	NSW Place Name	NSW			
Maximum value 2228 Coordinate reference system Authority code	Vertical extent information				
Coordinate reference system Authority code urn:ogc:def:cs:EPSG:: Code identifying the coordinate reference system 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 Telephone number 131555 Email address data.broker@environment.nsw.gov.au https://www.nsw.gov.au/departments-and-agencies/dcceew	Minimum value	-100			
Authority code Code identifying the coordinate reference system 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 Telephone number 131555 Email address data_broker@environment.nsw.gov.au Meb address https://www.nsw.gov.au/departments-and-agencies/dcceew	Maximum value	2228			
Code identifying the coordinate reference system 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 Telephone number 131555 Email address data.broker@environment.nsw.gov.au https://www.nsw.gov.au/departments-and-agencies/dcceew	Coordinate reference system				
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 Telephone number 131555 Email address data.broker@environment.nsw.gov.au https://www.nsw.gov.au/departments-and-agencies/dcceew	Authority code	urn:ogc:def:cs:EPSG::			
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 Telephone number 131555 Email address data.broker@environment.nsw.gov.au https://www.nsw.gov.au/departments-and-agencies/dcceew		5711			
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	Temporal extent				
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 Meb address https://www.nsw.gov.au/departments-and-agencies/dcceew	Begin position	1989-01-07			
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	End position	N/A			
Maintenance and update frequency Contact info Contact position Organisation name NSW Department of Climate Change, Energy, the Environment and Water Telephone number Email address data.broker@environment.nsw.gov.au Meb address https://www.nsw.gov.au/departments-and-agencies/dcceew	Dataset reference date				
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	Resource maintenance				
Contact position Data Broker 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	Maintenance and update frequency	Annually			
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	Contact info				
Telephone number 131555 Email address data.broker@environment.nsw.gov.au Web address https://www.nsw.gov.au/departments-and-agencies/dcceew	Contact position	Data Broker			
Email address data.broker@environment.nsw.gov.au Meb address https://www.nsw.gov.au/departments-and-agencies/dcceew	Organisation name	NSW Department of Climate Change, Energy, the Environment and Water			
Web address https://www.nsw.gov.au/departments-and-agencies/dcceew	Telephone number	131555			
	Email address	data.broker@environment.nsw.gov.au			
Responsible party role pointOfContact	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

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 2025-04-16T22:16:30.881198

Metadata language