

Title	NSW Post-fire Biomass Recovery Monitoring by Remote Sensing
Alternative title(s)	PfBRM
Abstract	<p>Observational monitoring of post-fire biomass recovery at the landscape scale is important to help us understand drivers of recovery processes, identify vulnerable ecosystems and prioritise management interventions to support ecological resilience. Following the extreme bushfire season of 2019–20, there is considerable concern from land managers and researchers regarding the pressure these fires have imparted on ecological resilience at a landscape scale, particularly due to short inter-fire intervals.</p> <p>Remote sensing scientists from the Department of Planning and Environment’s (hereafter the department’s) Science, Economics and Insights Division have developed the NSW Post-fire Biomass Recovery Monitoring system. By mapping post-fire change in a satellite-based spectral reflectance index, the method can be used to monitor the change in the amount and greenness of vegetation cover following fires that have been previously mapped through the NSW fire extent and severity mapping (FESM) system.</p> <p>NSW post-fire biomass recovery monitoring data is available for 1, 2 and 3 years following the black summer of 2019–20.</p>

Resource locator

[Data Quality Statement](#)

Name: Data Quality Statement

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Data quality statement for NSW Post-fire Biomass Recovery Monitoring by Remote Sensing

Function: download

[Published journal article](#)

Name: Published journal article

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

The post-fire stability index - a new approach to monitoring post-fire recovery by satellite imagery

Function: download

[Factsheet](#)

Name: Factsheet

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

NSW Post-fire Biomass Recovery Monitoring Factsheet v1

Function: download

[Package download](#)

Name: Package download

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

NSW Post-fire Biomass Recovery Monitoring for 1 year following 2019-20

Function: download

[Package download](#)

Name: Package download

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

NSW Post-fire Biomass Recovery Monitoring for 2 years following 2019-20

Function: download

[Package download](#)

Name: Package download

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

NSW Post-fire Biomass Recovery Monitoring for 3 years following 2019-20

Function: download

Unique resource identifier

Code 99e6980e-4997-4f56-b71b-4d295df80e18

Presentation form Document digital

Edition v1

Dataset language English

Metadata standard

Name ISO 19115

Edition 2016

Dataset URI <https://datasets.seed.nsw.gov.au/dataset/99e6980e-4997-4f56-b71b-4d295df80e18>

Purpose Fire management planning

Status Completed

Spatial representation type None

Spatial reference system

Code identifying the spatial reference system 4283

Topic category

Keyword set	
keyword value	HAZARDS-Fire ECOLOGY-Landscape
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
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	2019-01-07
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	As needed
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
Limitations on public access	

Responsible party

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Metadata language