

<b>Title</b>	NSW Aridity Index - High resolution (30 meter)
<b>Abstract</b>	<p>The aridity index, also known as the Budyko radiative index of dryness, is a dimensionless parameter that represents the long-term balance between net radiation and precipitation. The method used to generate the high-resolution aridity index layer across New South Wales was developed by Nyman et al., 2014. To create the high-resolution (30 m) aridity index layer for New South Wales, the following parameters were used: 1 arc second monthly net radiation and shortwave radiation ratio, 30 years of historical data encompassing precipitation and surface temperature from the period 1992 to 2021, 30-meter Shuttle Radar Topography Mission digital elevation model, and 30-meter Leaf Area Index layer which provides insights into the density and distribution of vegetation across the region. The aridity index layer is a high-resolution dataset that allows identification of finer-scale variations in local moisture balance related to aspect unlike existing aridity index layers. This dataset serves as a valuable tool for understanding and managing water resources, assessing environmental conditions, and informing decision-making in a wide range of applications related to water management, land use, and climate change adaptation.</p> <p>The Aridity Index factsheet provides more information about the method and some potential application of the layer.</p>

## Resource locator

<a href="#">Show on SEED Web Map</a>	<p>Name: Show on SEED Web Map</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Display dataset on SEED's map</p> <p>Function: download</p>
<a href="#">Show on SEED Web Map</a>	<p>Name: Show on SEED Web Map</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Display dataset on SEED map viewer</p> <p>Function: download</p>
<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 NSW Aridity Index - High resolution (30 meter)</p> <p>Function: download</p>
<a href="#">Download Package</a>	<p>Name: Download Package</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data (GeoTIFF)</p> <p>Function: download</p>
<a href="#">ArcGIS REST Services Directory - NSW Aridity Index - High resolution (30 meter)</a>	<p>Name: ArcGIS REST Services Directory - NSW Aridity Index - High resolution (30 meter)</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>An ArcGIS Server web service represents a GIS resource such as a map, locator, or image that is located on an ArcGIS Server site and is made available to client applications. Depending on the layers enabled, this web service allows a user to query its features and/or visualise the dataset. This service is aimed at advanced geographical information users, and will require access to geographical information system (GIS) software such as ArcGIS/ArcMap.</p>

Function: download

[NSW Aridity Index factsheet](#)

Name: NSW Aridity Index factsheet

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

Description:

The high-resolution aridity index dataset has a range of potential applications due to its high spatial resolution, including in environmental management decision-making.

Function: download

## Unique resource identifier

Code d7052ea2-e207-4b06-aeb5-565d657e107d

Presentation form Map digital

Edition 1

Dataset language English

## Metadata standard

Name ISO 19115

Edition 2016

Dataset URI <https://datasets.seed.nsw.gov.au/dataset/d7052ea2-e207-4b06-aeb5-565d657e107d>

Purpose Fire management planning

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
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
<b>Geographic location</b>	
West bounding longitude	141
East bounding longitude	154
North bounding latitude	-37.7
South bounding latitude	-28
<b>Vertical extent information</b>	
Minimum value	-100
Maximum value	2228
Coordinate reference system	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
<b>Temporal extent</b>	
Begin position	1992-01-01
End position	N/A
<b>Dataset reference date</b>	
<b>Resource maintenance</b>	
Maintenance and update frequency	Unknown
<b>Contact info</b>	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	<a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>
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Responsible party role	pointOfContact
<b>Lineage</b>	The Aridity Index factsheet provides more information about the method and some potential application of the layer.
<b>Limitations on public access</b>	

## Responsible party

Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
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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** 2024-06-18T23:27:19.368936

**Metadata language**