Title	NSW Koala Habitat Suitability Model 5m v1.1
Abstract	This is a state-wide model of the potential of a given location to support koalas. Two versions of the model exist, a continuous model with habitat suitability values ranging from 0-1 (this product), and a classified version in which the continuous values have been grouped into classes representing very high quality habitat, through to very low quality and non-habitat. Note the original floating point raster has been converted to integer values between 0 to10,000.
	The Koala Habitat Suitability Model (KHSM) is one of the core products in the Koala Habitat Information Base (KHIB). It provides the current, best available state-wide prediction of potential koala habitat across NSW, encompassing the distribution of preferred trees and koala sightings.
	The KHIB is a public resource intended to assist government agencies, local councils and private land holders with koala conservation decisions.
	The Koala Habitat Suitability Models v1.1 are built off a predictive (MaxEnt) model, iteratively developed following a series of expert reviews. The KHSM was developed as a set of six regional models across eastern and central NSW that are referred to as Koala Modelling Regions (KMRs). These regional models capture variations in habitat quality at a regional scale that are driven largely by changes in the distribution of available food tree species. An additional MaxEnt model was developed to predict the westerly extent that koalas have the potential to occupy over the Darling Riverine Plains, Far West and Riverina KMRs.
	Each of the models provide an indication of where animals have the potential to reside rather than where they do reside. Thus the term "habitat" refers to areas that koalas have the potential to occupy, but may not actually live.
	The suitability scores from all seven models have been mosaicked together into a single state-wide product. This is available for download as a zipped 5m tif image readable in any spatial software package. An ArcGIS mxd is also supplied for suggested symbology.
	All Koala Habitat Information Base datasets are available for download at the links below under 'Dataset relationship'.
	For further information on the data layers and their development, please see the Koala Habitat Information Base Technical Guide.
Resource locato	r
Data Quality	Name: Data Quality Statement
<u>Statement</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Data quality statement for Koala Habitat Information Base: Habitat Suitability Models v1.0
	Function: download
ArcGIS REST	Name: ArcGIS REST Services Directory - NSW Koala Habitat Suitability Models v1.0
<u>Services</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
<u>Directory - NSW</u> Koala Habitat	Description:
<u>Suitability Models</u> <u>v1.0</u>	ArcGIS REST Services Directory – provides a variety of interfaces for web browsers, GIS users and developers, to view maps
	Function: download
<u>WMS - NSW</u> <u>Koala Habitat</u>	Name: WMS - NSW Koala Habitat Suitability Models v1.0
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
<u>Suitability Models</u> <u>v1.0</u>	Description:
	Web Map Service (WMS) is a standard protocol for serving georeferenced map images over the internet that are generated by a map server using data from a GIS Database (NSW Government - Spatial Web Services Register June 2015). WMS allows a user to spatially visualise the dataset, but not query its features. This service is aimed at advanced geographical information users, and will require access to geographical information system (GIS) software such as QGIS and ArcGIS/ArcMap.

	Function: download			
<u>Koala Habitat</u> <u>Suitability Model</u> v1.1	Name: Koala Habitat Suitability Model v1.1			
	Protocol: WWW:DOWNLOAD-1.0-httpdownload			
<u>V1.1</u>	Description:			
	Koala Habitat Suitability Model v1.1 (5m .tif) for NSW			
	Function: download			
Unique resource identifier				
Code	cd5c0bbd-cf61-49fc-916e-102c27cca2ac			
Presentation form	Map digital			
Edition	1.1			
Dataset language	English			
Metadata standard				
Name	ISO 19115			
Edition	2016			
Dataset URI	https://www.planningportal.nsw.gov.au/opendata/dataset/cd5c0bbd-cf61-49fc-916e- 102c27cca2ac			
Purpose	The Koala Habitat Information Base can help prioritise the establishment of new koala reserves and private land conservation agreements, ensure local actions are based on the best available information, and improve the management of threats and disease. It will be an important resource to assist government agencies, local councils and private land holders with koala conservation decisions. The Koala Habitat Information Base is not an regulatory instrument, meaning that the data layers do not categorise land for regulatory purposes. It does provide the best available scientific information to support decision makers, rehabilitators, land managers and community members involved in koala conservation			
Status	Completed			
Spatial representation type	grid			
Spatial reference	e system			
Code identifying the spatial reference system	4283			
Spatial resolution	30 m			

eyword value	ECOLOGY-Habitat
	FAUNA-Native
Driginating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
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	1979-01-01
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Unknown
Contact info	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Full postal address	NSW
	Australia
	data.broker@environment.nsw.gov.au
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

Constraint set				
Use constraints	This data is provided under a Creative Commons Attribution 4.0 licence <u>http://creativecommons.org/licenses/by/4.0</u> . Attribute 'NSW Department of Climate Change, Energy, the Environment and Water' in publications using this data.			
Limitations on public access				
Scope	dataset			
DQ Completeness Omission				
Effective date	2019-08-31			
Explanation	Complete			
DQ Conceptual Consistency				
Effective date	2019-08-31			
Explanation	Consistent			
DQ Topological Consistency				
Effective date	2019-08-31			
Explanation	Consistent			
DQ Absolute E	xternal Posit	ional Accuracy		
Effective date	2019-08-31			
Explanation	Although derived at a 30m pixel and delivered at 5m, most of the drivers behind the model have been generated at a coarser scale.			
DQ Non Quant	itative Attribu	ute Correctness		
Effective date	2019-08-31			
Explanation	See tech	nical guide for model validation metrics		
Responsible	e party			
Contact posit	tion	Data Broker		
Organisation	name	NSW Department of Climate Change, Energy, the Environment and Water		
Full postal ac	ldress	NSW		
		Australia		
		data.broker@environment.nsw.gov.au		
Telephone nu	umber	131555		
Email addres	S	data.broker@environment.nsw.gov.au		
Web address		https://www.nsw.gov.au/departments-and-agencies/dcceew		
Responsible	party role	pointOfContact		

Metadata point of contact		
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Organisation name	NSW Department of Climate Change, Energy, the Environment and Water	
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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	
Metadata date	2024-02-26T13:39:20.296333	
Metadata language		