Title	Persistence of ecosystems (including undiscovered species) (vascular plants)
Abstract	This indicator measures the proportion of ecosystem diversity that is still existing or likely to persist based on a classification of known and undiscovered taxonomic groupings of species. The results presented here are for vascular plants. Future variants of this indicator will include results for other taxonomic groups. The persistence of ecosystems indicator 2.2c, reported here, is one of a series of indicators on the status of biodiversity and ecological integrity in NSW developed to contribute to assessing the performance of the Biodiversity Conservation Act 2016. The overarching indicator framework which outlines how indicators are related and derived is presented in the “method to assess biodiversity and ecological integrity across New South Wales” (OEH 2018a).

Resource locator

Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Persistence of ecosystems (including undiscovered species) for vascular plants indicator Function: download
Download Package	Name: Download Package Protocol: WWW:DOWNLOAD-1.0-http--download Description: Raster Data (TIFF) and Excel Table Function: download

Unique resource identifier

Code	eafa3240-44a2-4a2a-8d09-4471886bdb73
Presentation form	Document hardcopy
Edition	1
Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/eafa3240-44a2-4a2a-8d09-4471886bdb73
Purpose	Legislative and regulatory requirements
Status	Completed
Spatial representation type	grid

Spatial reference system

Code identifying

the spatial reference system	4283
Spatial resolution	10 m
Topic category	

Keyword set	
keyword value	ECOLOGY-Ecosystem VEGETATION FLORA-Native ECOLOGY-Habitat
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location	
West bounding longitude	140.932617
East bounding longitude	153.676758
North bounding latitude	-36.173357
South bounding latitude	-28.149503
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	2013-03-23
End position	N/A

Dataset reference date

Resource maintenance

Maintenance and update frequency	As needed
Contact info	
Contact position	Data Broker
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Responsible party role	pointOfContact

Lineage

The biodiversity persistence family of indicators aim to report on the overall amount of biodiversity (genes, species and ecosystems), both known and undiscovered, that currently exists and what is expected to persist in the long term. The indicators are measured indirectly through a suite of models that integrate biological records with remote mapping of environment, satellite remote-sensing of land condition and landuse information, which are combined using process understanding of biodiversity persistence. The assessment is undertaken using the best available data at relatively fine spatial scales (c. 90 m and 250 m). Specifically, a generalised dissimilarity model-based ecosystem classification defines the potential pre-clearing distribution of ecosystems across NSW (OEH 2016); which is intersected with a model of ecological condition and carrying capacity (Love et al. in prep.). Ecological carrying capacity has generally diminished due to clearing and disturbance since pre-industrial times, with the degree of impact varying considerably across NSW. Models of ecological condition and carrying capacity belong to the set of ecological integrity indicators in the ecosystem quality theme of the indicator framework (see (OEH in prep.) for details). For a detailed outline of source data, methods and processes refer to the Implementation Report at http://... The overarching indicator framework which outlines how indicators are related and derived is presented in the “method to assess biodiversity and ecological integrity across New South Wales” (OEH 2018a).

Limitations on public access

Responsible party

Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
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Metadata date

2024-02-26T15:23:47.219693

Metadata language