

Title

Persistence of ecosystems 2024 data package

Abstract

This is the data package for the **persistence of ecosystems** indicator, supporting the reports **NSW biodiversity outlook report 2024** and **Persistence of ecosystems: Report card supplementing the NSW biodiversity outlook report 2024**. This data package provides underlying data for the indicator **persistence of ecosystems (vascular plants)**, reporting on results for 2007, 2013, 2017 and 2020.

This data package is a snapshot of the data used to calculate indicators as reported in the NSW biodiversity outlook report 2024 and supporting report cards.

Persistence of ecosystems indicator

The **persistence of ecosystems** indicator reports the percentage of original ecosystem diversity that is likely to persist into the future. Ecosystem diversity is lost due to declining ecological condition and ongoing habitat fragmentation. A modelled distribution of vascular plant ecosystems that originally occurred across the state is assessed against habitat remaining.

NSW Biodiversity Indicator Program

The **Biodiversity Indicator Program** reports on the state and trends over time of biodiversity and ecological integrity in New South Wales. The program was established by the *Biodiversity Conservation Act 2016*. We have developed a framework of indicators to help scientists, managers and policy-makers understand the current state of biodiversity, how it has changed from the past, and how it is likely to change in the future.

NSW biodiversity outlook report

The **NSW biodiversity outlook report** is a summary of the state of biodiversity and ecological integrity in New South Wales. It is based on rigorous science and has been peer reviewed by recognised experts. New reports are published from time to time as data become available and are analysed. Each report covers the set of indicators from the framework that have been developed and are ready for publication at that time.

Report cards

Report cards are stand-alone documents that provide more detailed indicator results and commentary than the biodiversity outlook report.

Implementation reports

Implementation reports describe in technical detail how indicators are calculated. In combination with the corresponding data package, indicator results can be replicated by anyone with sufficient technical expertise.

Data packages

Each data package consists of tabular results and raw output such as spatial layers. Data packages provide supporting information for the NSW biodiversity outlook report and associated report cards. Data packages reflect results as presented in their corresponding report card and outlook report, creating an archive of the indicator results at the time of analysis.

Resource locator

[Data Quality Statement](#)

Name: Data Quality Statement

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

Description:

Data quality statement for Persistence of ecosystems 2024 data package

Function: download

[Persistence of ecosystems: Report card supplementing the NSW biodiversity](#)

Name: Persistence of ecosystems: Report card supplementing the NSW biodiversity outlook report 2024

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

Description:

[outlook report 2024](#)

Report card for the persistence of ecosystems indicator, reporting on years 2007, 2013, 2017 and 2020

Function: download

[A model-based indicator of capacity for biodiversity persistence using vascular plant records and habitat condition](#)

Name: A model-based indicator of capacity for biodiversity persistence using vascular plant records and habitat condition

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

Description:

Implementation report describing the method for the persistence of ecosystems indicator

Function: download

[Data package guide](#)

Name: Data package guide

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

Description:

Description of core files constituting the data package.

Function: download

[Summary table](#)

Name: Summary table

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

Description:

Summary results of indicator for 2007, 2013, 2017 and 2020, reported by IBRA region.

Function: download

[Workflow for persistence of ecosystems indicator](#)

Name: Workflow for persistence of ecosystems indicator

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

Description:

High-resolution image of the workflow for the **persistence of ecosystems** indicator.

Function: download

[Unique diversity \(spatial layer\) in 2020 - Vascular plants](#)

Name: Unique diversity (spatial layer) in 2020 - Vascular plants

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

Description:

Spatial layer (raster) of unique diversity values for each 90m cell for 2020. Values are standardised as a proportion of unique diversity values for 2017.

Function: download

[Difference in unique diversity \(spatial layer\) between 2020 and 2017 - Vascular plants](#)

Name: Difference in unique diversity (spatial layer) between 2020 and 2017 - Vascular plants

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

Description:

Spatial layer (raster) of differences in unique diversity values for each 90m cell between 2020 and 2017. Values are standardised as a proportion of unique diversity values for 2017.

Function: download

Unique resource identifier

Code ee44d030-f055-4153-b9c6-d7b7c8f96c14

Presentation

Model digital

form	
Edition	1.0
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/ee44d030-f055-4153-b9c6-d7b7c8f96c14
Purpose	Legislative and Regulatory requirements
Status	Completed
Spatial representation type	None
Spatial reference system	
Code identifying the spatial reference system	4283
Additional information source	TBD
Topic category	

Keyword set	
keyword value	ECOLOGY ECOLOGY-Ecosystem ECOLOGY-Landscape
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	141
East bounding longitude	154
North bounding latitude	-37.7
South bounding latitude	-28
NSW Place Name	New South Wales
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	2007-01-01
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