

Title	Cumberland Subregion BIO Map Core Areas
Abstract	<p>The Biodiversity Investment Opportunities Map (BIO Map) is a key deliverable of the NSW Government's \$40 million Green Corridors program, a Government priority action identified in <i>NSW 2021: A Plan to make NSW number one</i>. The map was prepared with funding provided by the NSW Environmental Trust.</p> <p>BIO Map has been prepared for the Cumberland subregion, a 275 693-hectare area containing the Cumberland Plain, a broad shale basin in Western Sydney. The areas identified for investment are termed priority investment areas, and include core areas (this layer) and biodiversity corridors of regional significance.</p> <p>Mapping criteria were used to identify and map priority investment areas, and targeted stakeholder consultation was conducted to inform the outputs of the project. Stakeholders consulted included the Commonwealth Department of the Environment, six state government authorities, 16 local councils and eight non-government organisations.</p> <p>The final Cumberland subregion BIO Map identifies a network of 87 core areas and 27 regional biodiversity corridors within the Cumberland subregion. The 87 core areas include all of the Priority Conservation Lands identified by the Cumberland Plain Recovery Plan. The total area represented within the mapped priority investment areas is 42,124 hectares. Mapped core areas make up 24,197 hectares.</p> <p>The BIO Map project aims to achieve better biodiversity outcomes by directing biodiversity investment funding to the strategic locations of greatest benefit. A landholder's right to carry out agricultural and developmental activities on their land are not altered by their property being identified as a priority investment area on the BIO Map. The BIO Map identifies areas where landowners have more opportunities to receive funding to protect their bushland. Any involvement by a landowner in such programs is entirely voluntary.</p>
Resource locator	
Data Quality Statement	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for Cumberland Subregion BIO Map Core Areas</p> <p>Function: download</p>
BioMapCumberlandSubregionCoreAreas	<p>Name: BioMapCumberlandSubregionCoreAreas</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Report, spatial data and metadata associated with Cumberland Plain Bio Map.</p> <p>Function: download</p>
Unique resource identifier	
Code	7a35d78d-9c8b-46ee-9d14-012ffdb93969
Presentation form	Map digital
Edition	1 (original)
Dataset language	English

Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/7a35d78d-9c8b-46ee-9d14-012ffdb93969
Purpose	The BIO Map project aims to achieve better biodiversity outcomes by directing biodiversity investment funding to the strategic locations of greatest benefit
Status	Completed
Spatial representation	
Type	vector
Spatial reference system	
Code identifying the spatial reference system	4283
Equivalent scale	1:None
Additional information source	Report Title: Biodiversity Investment Opportunities Map: Mapping Priority Investment Areas for the Cumberland Subregion
Topic category	
Keyword set	
keyword value	LANDUSE CONSERVATION CORRIDORS BIO MAP PIAs INVESTMENT CUMBERLAND
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	150.55345
East bounding longitude	151.01805
North bounding latitude	-34.28844
South bounding latitude	-33.51274
NSW Place Name	Cumberland Plain
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	1990-01-01
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
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Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact

Lineage

Lineage: Core areas are areas of native vegetation and habitat where management will be of greatest benefit to the conservation of state and regional biodiversity values within a region. Combined with state and regional corridors, the areas are termed Priority Investment Areas (PIAs).

An updated vegetation map of the study area, where areas cleared up to 2012 were removed, was combined with a Biodiversity Forecaster Tool (BFT) analysis, assessment of current and future land use and connectivity and patch size considerations to identify core areas for the Cumberland subregion.

The Plant Community Types (PCTs) mapped in the Cumberland subregion were used to define 30 key state and regional biodiversity values to be included in core areas. Core areas were then identified to represent each of these values to a minimum level of 15% of their existing extent within the Cumberland subregion. The minimum representation of 15% was selected to maintain consistency with the target used to define the Priority Conservation Lands (PCLs) identified by the Cumberland Plain Recovery Plan. This target recognises that many vegetation communities within the Cumberland subregion are substantially cleared and highly fragmented and face ongoing land-use and clearing pressure.

The PCLs were incorporated into the BIO Map core areas as a first step. This layer satisfied the target for many PCTs. Lands identified by OEH in a high management viability (HMV) review were also included.

Nine PCTs where the target was not met by the PCLs and HMV lands were then targeted for inclusion in core areas, based on patch size, connectivity, BFT result and current and future land use considerations (i.e. viability). The boundaries of these new core areas were predominantly defined using vegetation and/or cadastral boundaries.

Many of the key state and regional biodiversity values substantially exceeded the minimum 15% representation target within the 87 core areas identified. Land within regional biodiversity corridors, which does not count towards the minimum target, also considerably increases the representation of some key state and regional biodiversity values within the PIAs.

In total the 87 core areas occupy approximately 24,197 hectares. This represents approximately 9% of the Cumberland subregion, or approximately 35% of all mapped vegetation within the subregion. 42 124 hectares are mapped as PIAs when both core areas and corridors are considered. This represents approximately 15% of the Cumberland subregion, or approximately 61% of all mapped vegetation within the subregion.

Positional accuracy: Digitising was conducted at a scale of approximately 1:10,000-1:15,000.

Attribute accuracy: All attributes have been checked.

Completeness: The layer is complete. The layer will require periodic updating to account for any clearing or vegetation change resulting from future landuse activities.

Limitations on public access

Scope	dataset
DQ Completeness Commission	
Effective date	1901-01-01
DQ Completeness Omission	
Effective date	1901-01-01
DQ Conceptual Consistency	
Effective date	1901-01-01
DQ Topological Consistency	
Effective date	1901-01-01
DQ Absolute External Positional Accuracy	
Effective date	1901-01-01
DQ Non Quantitative Attribute Correctness	
Effective date	1901-01-01
Responsible party	
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
Metadata point of contact	
Contact position	Data Broker
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Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact
Metadata date	2024-02-26T13:08:24.387632
Metadata language	