Abstract	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 NSW 2021: A Plan to make NSW number one. The map was prepared with funding provided by the NSW Environmental Trust.
	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.
	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.
	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.
	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.
Resource locator	
Data Quality Statement	Name: Data Quality Statement
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Data quality statement for Cumberland Subregion BIO Map Core Areas
	Function: download
$\underline{BioMapCumberlandSubregionCoreAreas}$	Name: BioMapCumberlandSubregionCoreAreas
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Report, spatial data and metadata associated with Cumberland Plain Bio Map.
	Function: download
Unique resource identifier	
Code	7a35d78d-9c8b-46ee-9d14-012ffdb93969
Presentation form	Map digital
Edition	1 (original)

English

Cumberland Subregion BIO Map Core Areas

Title

Dataset language

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		
Туре	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	COMBENEAND	
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	
Telephone number	131555	
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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 approxiamtely 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 activites.

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			

Organisation name NSW Department of Climate Change, Energy, the Environment and Water

Telephone number 131555

Email address <u>data.broker@environment.nsw.gov.au</u>

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 2024-02-26T13:08:24.387632

## Metadata language