Title	Corridors - Cessnock LGA	
Abstract	The Department of Planning provides support to Local Government to enable evidence-based planning decisions. Biodiversity and Conservation Division collaborated with Cessnock City Council in 2021-2022 to deliver environmental map layers (Environmental Lands Study) that facilitate council's review of their Local Environment Plan. This dataset is one of those and provides a scientifically valid structural connectivity analysis for the 196,468-hectare Cessnock Local Government Area (LGA) at fine/local scale using evidence-based data. The connectivity analysis was conducted at multiple raster scales then combined into a final vector format with accuracy commensurate to a scale range of 1:500 to 1:1000. This connectivity analysis is one aspect of biodiversity information that maps the current state of biodiversity movement at a scale that can inform local planning decisions. This dataset was derived using the Spatial Links analysis tool described in the mapping of habitat linkages study by M. Drielsma et al. (2007) because it overcomes some of the limitations of GAP CLoSR. The Spatial Links tool does not require nodes for patches because it can assess each cell in a patch as a start/endpoint. Additionally, Spatial Links overcomes any limitations of addressing the infinitely variable and complex spatial configuration of any landscape. A more detailed examination of the Spatial Links methodology compared to other analytical techniques is discussed in the detailed studies of connectivity for planning by M. J. Drielsma et al. (2022). This study adopted the 106 m gap-crossing threshold and overcame the singular 1100m maximum dispersal threshold by applying multiple scales that addressed a range of dispersal distances to cater for varying ecological traits of fauna and flora. The final dataset results from the Spatial Links analysis at fine scale across the Cessnock LGA buffered by 1km to avoid any abrupt termination of connectivity at the edges of the LGA.	
Resource locator		
<u>Data Quality</u> <u>Statement</u>	Name: Data Quality Statement	
	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	Data quality statement for Corridors - Cessnock LGA	
	Function: download	
Download	Name: Download Package	
<u>Package</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	Data (Shapefile)	
	Function: download	
Unique resourc	ce identifier	
Code	e5836276-4387-4d68-b837-e59b525481c7	
Presentation form	Map digital	
Edition	1	
Dataset language	English	
Metadata standard		
Name	ISO 19115	
Edition	2016	
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/e5836276-4387-4d68-b837-e59b525481c7	

Purpose	Biodiversity assessment and legislative planning.	
Status	Completed	
Spatial representation		
Туре	vector	
Spatial reference system		
Code identifying the spatial reference system	4283	
Spatial resolution	10 m	
Topic category		

Reyword set	
keyword value	ECOLOGY-Habitat
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	150.80129
East bounding longitude	151.62356
North bounding latitude	-33.13904
South bounding latitude	-32.65055
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	2022-01-04
End position	N/A
End position Dataset reference date	N/A
End position Dataset reference date Resource maintenance	N/A
End position Dataset reference date Resource maintenance Maintenance and update frequency	N/A As needed
End position Dataset reference date Resource maintenance Maintenance and update frequency Contact info	N/A As needed
End position Dataset reference date Resource maintenance Maintenance and update frequency Contact info Contact position	N/A As needed Data Broker
End position Dataset reference date Resource maintenance Maintenance and update frequency Contact info Contact position Organisation name	N/A As needed Data Broker NSW Department of Climate Change, Energy, the Environment and Water
End position Dataset reference date Resource maintenance Maintenance and update frequency Contact info Contact position Organisation name Telephone number	N/A As needed Data Broker NSW Department of Climate Change, Energy, the Environment and Water 131555
End position Dataset reference date Resource maintenance Maintenance and update frequency Contact info Contact position Organisation name Telephone number Email address	N/A As needed Data Broker NSW Department of Climate Change, Energy, the Environment and Water 131555 data.broker@environment.nsw.gov.au
End position Dataset reference date Resource maintenance Maintenance and update frequency Contact info Contact position Organisation name Telephone number Email address Web address	N/A N/A As needed Data Broker NSW Department of Climate Change, Energy, the Environment and Water 131555 data.broker@environment.nsw.gov.au https://www.nsw.gov.au/departments-and-agencies/dcceew

Lineage This dataset was derived using the Spatial Links analysis tool described in the mapping of habitat linkages study by M. Drielsma et al. (2007) because it overcomes some of the limitations of GAP CLoSR. The Spatial Links tool does not require nodes for patches because it can assess each cell in a patch as a start/endpoint. Additionally, Spatial Links overcomes any limitations of addressing the infinitely variable and complex spatial configuration of any landscape. A more detailed examination of the Spatial Links methodology compared to other analytical techniques is discussed in the detailed studies of connectivity for planning by M. J. Drielsma et al. (2022). This study adopted the 106 m gap-crossing threshold and overcame the singular 1100m maximum dispersal threshold by applying multiple scales that addressed a range of dispersal distances to cater for varying ecological traits of fauna and flora. The final dataset results from the Spatial Links analysis at fine scale across the Cessnock LGA buffered by 1km to avoid any abrupt termination of connectivity at the edges of the LGA.		
Limitations on public acce	255	
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		
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Responsible party role	pointOfContact	
Metadata date	2024-02-26T13:28:00.731448	
Metadata language		