

Title	Streambanks 3rd Order Strahler and Above 40m Buffer - Cessnock LGA
Abstract	<p>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 maps all streambanks of larger streams in the 196,468-hectare Cessnock Local Government Area using the Strahler system to identify stream type. All tenures were mapped excluding National Parks and Wildlife Service (NPWS) estate because they are formally reserved and protected under Local Environment Plans and were outside of the scope of the Environmental Lands Study. Data is in vector format and was produced to a scale range of 1:500 - 1:3000. The process for delineating streambanks for the Cessnock LGA began by mapping stream order, then adding LiDAR and NearMap imagery as a basemap. The technique of hillshading was then used to show the streambank top edge and topographic features of streambanks. All streams higher than 2nd order were buffered by 100m to create the area of interest (Aoi) for mapping streambanks. High resolution Light (or Laser) Detection and Ranging (LiDAR) was converted to a hillshade to facilitate the delineation of 3rd order and above streambanks. Streambanks were mapped at a scale of 1:3,000 as lines using a pen graphic tablet and the dataset saved to a file geodatabase. Streambanks were then buffered by 40m (as required by the Water Management Act 2000) and any areas where streambanks were more than 80m apart were eliminated.</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 Streambanks 3rd Order Strahler and above buffered by 40m - Cessnock LGA</p> <p>Function: download</p>
Cessnock Environmental Lands Study	<p>Name: Cessnock Environmental Lands Study</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>The Department of Climate Change, Energy, the Environment and Water's Biodiversity, Conservation and Science - Regional Delivery collaborated with Cessnock City Council in 2021 to 2022 to deliver a report and package of spatial data layers to inform an environmental lands study. It comprises 6 comprehensive map layers that collectively cover the entire Cessnock Local Government Area (LGA) and identify lands of environmental or ecological value.</p> <p>Function: download</p>
Download Package	<p>Name: Download Package</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data (Shapefile and Geodatabase)</p> <p>Function: download</p>
Unique resource identifier	
Code	31c1f4b4-6694-4640-aaa1-b9b0291ebc3f
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/31c1f4b4-6694-4640-aaa1-b9b0291ebc3f>

Purpose Biodiversity assessment and legislative planning.

Status Completed

Spatial representation

Type vector

Spatial reference system

Code identifying the spatial reference system 4283

Equivalent scale 1:None

Topic category

Keyword set	
keyword value	WATER-Hydrology
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
NSW Place Name	Cessnock LGA
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	2022-01-06
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
Lineage	Polygon 40m buffer of the Streambank Strahler method data
Limitations on public access	

Responsible party

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Metadata date 2024-08-27T22:13:12.368506

Metadata language