Abstract The Department of Planning decisions. Biodiversity and Conservation Division collatorated with Cessnock CLP Council no 2012-1022 to Deliver environmental map layers ment the 196, 468 heater a Cessnock Local Government Area suign the Strahler system to identify stream type. All tenures were mapped excluding National Parks and Wildlife Service (NPW) 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 1:00 - 1:300. The process for delineating streambanks for the Cessnock LGA began by mapping stream of the area of theores of other and theorem and the scope of the Environmental Lands Study. Data is in vector format and was produced to a scale range of 1:300 - 1:300. The process for delineating streambanks for the Cessnock LGA began by mapping stream of streambanks. Hister than 2nd order were buffered by 100m to create the area of interest (AII) for mapping streambanks. Hister and above streambanks. Hister and above streambanks. Hister and above streambanks and the delineation of 3rd order and above the streambanks were mapped at scale of 1:300 - 1:300. The process for delineating to 1:300 - 1:300. The process for delineating streambanks for the cessnock LGA began by mapping stream of 3rd order and above streambanks. Hister and above streambanks. Hister and show the Cessnock LGA Resource location Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-httpdownload Description: Data quality Statement for Streambank Mapping - 3rd Order Strahler and above - Cessnock LGA Protocol: WWW:DOWNLOAD-1.0-httpdownload Description: Data quality Statement for Streambank Mapping - 3rd Order Strahler and We	Title	Streambanks 3rd Order Strahler and Above - Cessnock LGA
Data Quality StatementName: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-httpdownload Description: Data quality statement for Streambank Mapping - 3rd Order Strahler and above - Cessnock LGA Function: downloadCessnock Environmental Lands StudyName: Cessnock Environmental Lands Study Protocol: WWW:DOWNLOAD-1.0-httpdownload Description: The Department of Climate Change, Energy, the Environment and Water's Biodiversity, Conservation and Science - Regional Delivery collaborated with Cessnock (CGA Conservation and Science - Regional Delivery collaborated with Cessnock (Cfy 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 cological value. Function: downloadDownload Package Protocol: WWW:DOWNLOAD-1.0-httpdownload Description: Data (Shapefile and Geodatabase) Function: downloadDurique resource formCodeOafsde2e-ea41-4cd2-9143-7d328539d5e3Presentation formfunguageLinglish	Abstract	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
StatementProtocol: WWW:DOWNLOAD-1.0-httpdownload Description: Data quality statement for Streambank Mapping - 3rd Order Strahler and above - Cessnock LGA Function: downloadCessnockName: Cessnock Environmental Lands Study Protocol: WWW:DOWNLOAD-1.0-httpdownload Description: 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 regorn and package of spatial data layers to inform an environmental lands study. It comprises 6 comprehensive map layers that collectively cover the entire Cessnock LGA Government Area (LGA) and identify lands of environmental or ecological value. Function: downloadDownload PackageName: Download Package Protocol: WWW:DOWNLOAD-1.0-httpdownload Description: Data (Shapefile and Geodatabase) Function: downloadUnique resource formIdentifierCode20354e2e-ea41-4cd2-9143-7d328539d5e3Chataset anguagemag digitalEdition1Bataset englishEnglish	Resource loca	tor
Protocol:WWW:DOWNLOAD-1.0-httpdownloadDescription:Description:Data quality statement for Streambank Mapping - 3rd Order Strahler and above - Cessnock LGAFunction: downloadName: Cessnock Environmental Lands StudyProtocol:WW:DOWNLOAD-1.0-httpdownloadDescription: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 ands study.PownloadDewnloadName: Download Package Protocol: WWW:DOWNLOAD-1.0-httpdownload Description:Data (Shapefile and Geodatabase) Function: downloadPackageProtocol: WW:DOWNLOAD-1.0-httpdownload Description:Data (Shapefile and Geodatabase) Function: downloadPresentation formMap digitalEdition1Dataset anguageEnglish	Data Quality	Name: Data Quality Statement
Data quality statement for Streambank Mapping - 3rd Order Strahler and above - Cessnock LGAFunction: downloadCessnockFunction: downloadName: Cessnock Environmental Lands StudyProtocol: WWW:DOWNLOAD-1.0-httpdownloadDescription: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 to inform an environmental or ecological value.DownloadPownloadPackagePackageProtocol: WWW:DOWNLOAD-1.0-httpdownload Description: Data (Shapefile and Geodatabase) Function: downloadDuritor: cownloadUnique resource identifierCodeCodeQas4e2e-ea41-4cd2-9143-7d328539d5e3Edition1Dataset anguageEnglish	<u>Statement</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
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Code20a54e2e-ea41-4cd2-9143-7d328539d5e3Presentation formMap digitalEdition1Dataset languageEnglish		Function: download
Presentation formMap digitalEdition1Dataset languageEnglish	Unique resour	ce identifier
Map digital form Map digital Edition 1 Dataset language English	Code	20a54e2e-ea41-4cd2-9143-7d328539d5e3
Dataset English language		Map digital
language	Edition	1
Metadata standard		English
	Metadata stan	dard

Name	ISO 19115		
Edition	2016		
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/20a54e2e-ea41-4cd2-9143-7d328539d5e3		
Purpose	Biodiversity assessment and legislative planning.		
Status	Completed		
Spatial representation			
Туре	vector		
Spatial referer	Spatial reference system		
Code identifying the spatial reference system	4283		
Spatial resolution	2 m		
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	2022-01-04			
End position	N/A			
Dataset reference date				
Resource maintenance				
Maintenance and update frequency	As needed			
Contact info				
Contact position	Data Broker			
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Responsible party role	pointOfContact			

The object of this part of the Cessnock environmental lands study was to identify Lineage streambank edges accurately so that native vegetation within 40 m of a streambank edge could be mapped. Cessnock City Council will require this data for their LEP zoning framework specifically where the watercourse plus 40 m from the top of bank for third order streams or larger, comprises riparian and estuarine vegetation on waterfront land, consistent with the NSW Water Management Act 2000 or equivalent future legislation. To account for this legislative requirement, a buffer of 40 m was applied to mapped streambanks to ensure that any development or other activities consider the recommended riparian corridor widths as specified under the Act to establish and preserve the integrity of riparian corridors. The first step in mapping streambanks is to map stream order, which is undertaken using the Strahler system. The Strahler system (Strahler 1952, 1957) is based on the confluence of streams of the same order. A first order stream has no other streams flowing into it. When 2 streams with the same order join, the resulting stream has the next highest order than the joining streams. For example, when 2 second order streams join, the resulting stream is third order (DPI 2018). When 2 streams with different orders join, the resulting stream has the same order as the highest order of the 2 joining streams. For example, when a first and second order stream join, the downstream stream is second order.

Limitations on public access

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Responsible party role	pointOfContact		
Metadata point of contact			
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Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew		
Responsible party role	pointOfContact		
Metadata date	2024-08-27T22:09:37.475606		
Metadata language	Metadata language		