Title	NSW Blue Carbon Preservation for long term sequestration

Abstract

Preservation is defined as the capacity for coastal blue carbon decomposition to be inhibited due to saline anaerobic conditions, and for long-term sequestration within soils. Fine-grained sediments typical of alluvial floodplains, fluvial deltas and to some extent estuarine floodplains will inhibit decomposition more than sandy coastal barrier sediments (Saintilan et al., 2013) and carbon will be more concentrated in these regions. Due to significant decline in hydrodynamic energy as tributaries enter estuaries, fluvial deltas are composed predominantly of finer grain sizes (although pro-delta and delta fronts may have highly variable grain sizes) yet are influenced by tidal inundation resulting in saline conditions ideal for ongoing preservation of stored carbon. Coastal barrier sediments that are typically dominated by sands store less carbon due to greater oxidation of sediments (Kelleway et al., 2016) and in some locations, frequent reworking.

Saintilan, N., Rogers, K., Mazumder, D., and Woodroffe, C. (2013). Allochthonous and autochthonous contributions to carbon accumulation and carbon store in southeastern Australian coastal wetlands. Estuarine, Coastal and Shelf Science 128, 84-92.

Resource locator

Show on SEED Web Map	Name: Show on SEED Web Map Protocol: WWW:DOWNLOAD-1.0-http--download Description: Display dataset on SEED's map Function: download
NSW Blue Carbon Preservation for long term sequestration	Name: NSW Blue Carbon Preservation for long term sequestration Protocol: WWW:DOWNLOAD-1.0-http--download Description: NSW Blue Carbon Preservation for long term sequestration - DQS Function: download
Metadata statement	Name: Metadata statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: ANZLIC Metadata statement for NSW Blue Carbon Preservation for long term sequestration Function: download
NSW Blue Carbon Preservation for longterm sequestration	Name: NSW Blue Carbon Preservation for longterm sequestration Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data Package for NSW Blue Carbon Preservation for longterm sequestration. Includes tif, shp and lyr file. Function: download
WMS - NSW Blue Carbon Preservation for Long Term Sequestration	Name: WMS - NSW Blue Carbon Preservation for Long Term Sequestration Protocol: WWW:DOWNLOAD-1.0-http--download Description: Connect to WMS Function: download

Unique resource identifier

Code	a1a6a640-13d2-49cc-a874-b48732782434

Presentation form	
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/a1a6a640-13d2-49cc-a874-b48732782434
Spatial representation	
Type	vector
Spatial reference system	
Code identifying the spatial reference system	4283
Topic category	

Keyword set

keyword value

Originating controlled vocabulary

Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	149.694555
East bounding longitude	153.687131
North bounding latitude	-37.541561
South bounding latitude	-28.13715

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	2020-05-16
End position	N/A

Dataset reference date

Resource maintenance

Maintenance and update frequency	Unknown

Contact info

Contact position	Data Broker
Organisation name	Department of Primary Industries and Regional Development (DPIRD)
Responsible party role	pointOfContact

Limitations on public access

Responsible party

Contact position	Data Broker
Organisation name	Department of Primary Industries and Regional Development (DPIRD)
Responsible party role	pointOfContact

Metadata point of contact

Contact position	Data Broker
Organisation name	Department of Primary Industries and Regional Development (DPIRD)
Responsible party role	pointOfContact

Metadata date

2022-05-16T02:25:07.206689

Metadata language