Title NSW Blue Carbon Generation from existing mangroves and saltmarsh

Abstract

Generation is defined as the capacity for existing mangrove forests and saltmarshes to contribute to carbon additionality from living biomass, dead organic material, and soil organic carbon. Several studies indicate that carbon addition is greater in mangrove forests than saltmarshes (Chmura et al., 2003; Pendleton et al., 2012), and this is likely due to greater height and biomass of mangroves compared to herbaceous saltmarsh vegetation. In NSW where both ecosystems occur, mangroves forests typically occupy lower positions within the tidal frame than saltmarshes, and their distribution can be defined based on elevation and hydroperiod (Hughes et al., 2019). Additionally, preservation of soil organic carbon within the contemporary range of mangroves has been found to be greater within fine grained sediments of fluvial origin than sandy coastal barrier sediments.

Chmura, G.L., Anisfeld, S.C., Cahoon, D.R., and Lynch, J.C. (2003). Global carbon sequestration in tidal, saline wetland soils. Global Biogeochem. Cycles 17, 1111.

Pendleton, L., Donato, D.C., Murray, B.C., Crooks, S., Jenkins, W.A., Sifleet, S., Craft, C., Fourqurean, J.W., Kauffman, J.B., Marbà, N., Megonigal, P., Pidgeon, E., Herr, D., Gordon, D., and Baldera, A. (2012). Estimating Global "Blue Carbon" Emissions from Conversion and Degradation of Vegetated Coastal Ecosystems. PLoS ONE 7, e43542.

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
Generation
from existing
mangroves and
saltmarsh

Name: NSW Blue Carbon Generation from existing mangroves and saltmarsh

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

NSW Blue Carbon Generation from existing mangroves and saltmarsh - DQS

Function: download

Metadata statement Name: Metadata statement

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

ANZLIC Metadata statement for NSW Blue Carbon Generation from existing mangroves

and saltmarsh

Function: download

NSW Blue Carbon Generation from existing mangroves and

saltmarsh

Name: NSW Blue Carbon Generation from existing mangroves and saltmarsh

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Data Package - NSW Blue Carbon Generation from existing mangroves and saltmarsh.

Includes tif, shp and lyr file.

Function: download

WMS - NSW Blue Carbon Generation from exisiting Mangroves & Name: WMS - NSW Blue Carbon Generation from exisiting Mangroves & Saltmarsh

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Saltmarsh Connect to WMS

Function: download

Unique resource identifier

Code 6a2e591e-31a0-4cc0-9f5e-48c2b8268628 Presentation form Dataset English language Metadata standard Name ISO 19115 Edition 2016 **Dataset URI** $\underline{https://datasets.seed.nsw.gov.au/dataset/6a2e591e-31a0-4cc0-9f5e-48c2b8268628}$ Spatial representation Туре vector Spatial reference system Code identifying the 4283 spatial reference system **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 pointOfConta	act

Metadata point of contact	
Contact position	Data Broker
Organisation name	Department of Primary Industries and Regional Development (DPIRD)
Responsible party role	pointOfContact
Metadata date	2022-05-16T02:24:31.868433
Metadata language	