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| Title | Assessment of Coastal Saltmarsh TEC on NSW Crown Forest Estate |
| Alternative title(s) | Coastal Saltmarsh on Floodplains: Classification and Mapping Completed for the NSW Environment Protection Authority |
| Abstract | <p>The operational map for Coastal Saltmarsh was constructed to resolve long-standing issues surrounding its identification, location and extent within the NSW State Forest estate covered by the eastern Regional Forest Agreements. The project's Threatened Ecological Community Reference Panel (the Panel) reviewed the determination for Coastal Saltmarsh and agreed upon a set of diagnostic parameters for its identification. We identified that any treeless saline and sub saline native vegetation found in the intertidal zone had the potential to be Coastal Saltmarsh. We estimated the extent of the intertidal zone by using a fine scale digital elevation model to determine the highest astronomical tideline (HAT). We then mapped potential Coastal Saltmarsh by analysing recent fine scale three dimensional aerial imagery to identify any native vegetation that comprised of low-growing treeless communities and was located within the HAT and on the landward side of mangroves. Mapping criteria used a tree cover tolerance of up to 30% to include areas that had a mixed cover of mangrove, paperbark or casuarina species with a saltmarsh understorey. Exposed mudflats and banks were also mapped when they were visible. Our mapping covered 1.4 million hectares of State Forest within the south, central and north coast regions of NSW. We identified a total of 111.9 hectares of Coastal Saltmarsh within 14 State Forests along the east coast. The most extensive areas are located in Bermagui and Mogo State Forests on the south coast and in Wallaroo State Forests on the north coast. We validated our map of coastal saltmarsh using an existing independent map of estuarine habitats (Creese et al 2009). Our mapping consistently identified almost twice as much coastal saltmarsh as Creese et al (2009), but this was attributable to differences in the mapping criteria rather than any error.</p> <p>Operational TEC Mapping have been derived by API at a viewing scale between 1-4000 using ADS40 50 cm pixel imagery and 1 m derived LIDAR DEM grids for floodplain EECs.</p> |

Resource locator

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| Data Quality Statement | <p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>NSW Government standards direct that data should be made available with a statement regarding its quality, a so-called "Data Quality statement (DQS)", to enable potential users to determine whether the data is suitable for their requirements.</p> <p>Function: download</p> |
| Assessment of Coastal Saltmarsh TEC on NSW Crown Forest Estate | <p>Name: Assessment of Coastal Saltmarsh TEC on NSW Crown Forest Estate</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Report on the Assessment of Coastal Saltmarsh TEC on NSW Crown Forest Estate</p> <p>Function: download</p> |
| Operational Map for Coastal Saltmarsh on Floodplains Threatened Ecological Community on NSW Crown Forest Estate | <p>Name: Operational Map for Coastal Saltmarsh on Floodplains Threatened Ecological Community on NSW Crown Forest Estate</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Shapefile - Operational Map for the Assessment of Coastal Saltmarsh TEC on NSW Crown Forest Estate</p> <p>Function: download</p> |
| Operational and Indicative Maps for the Assessment of | <p>Name: Operational and Indicative Maps for the Assessment of Threatened Ecological Communities on NSW Crown Forest Estate</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> |

[Threatened Ecological Communities on NSW Crown Forest Estate](#)

Description:

ESRI ArcGIS Layer File - Operational and Indicative Maps for the Assessment of Threatened Ecological Communities on NSW Crown Forest Estate

Function: download

[Native Forestry Map Viewer](#)

Name: Native Forestry Map Viewer

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

Description:

The EPA Native Forestry Map Viewer enables users to view our Koala and Threatened Ecological Community mapping without the need to access a GIS system. The map viewer allows users to perform searches to locate areas of interest and export resulting map views into various image file formats.

Function: download

Unique resource identifier

Code 5839a155-3473-4e6e-a03d-3491c33862ca

Presentation form Map digital

Edition Version 1

Dataset language English

Metadata standard

Name ISO 19115

Edition 2016

Dataset URI <https://datasets.seed.nsw.gov.au/dataset/5839a155-3473-4e6e-a03d-3491c33862ca>

Purpose Native Forestry Regulation on State Forests

Status Completed

Spatial representation

Type vector

Geometric Object Type curve

Spatial reference system

Code identifying the spatial reference system 4283

Equivalent scale 1:None

Topic category

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| Keyword set | |
| keyword value | Threatened Ecological Community Endangered Ecological Community Vegetation State Forest Coastal Saltmarsh on Floodplains EEC TEC Environment Protection Authority EPA |
| Originating controlled vocabulary | |
| Title | ANZLIC Search Words |
| Reference date | 2008-05-16 |
| Geographic location | |
| West bounding longitude | 149.85575 |
| East bounding longitude | 152.98535 |
| North bounding latitude | -37.22486 |
| South bounding latitude | -30.5063 |
| 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 | 2016-10-01 |
| End position | N/A |
| Dataset reference date | |
| Resource maintenance | |
| Maintenance and update frequency | Irregular |
| Contact info | |
| Contact position | Data Broker |
| Organisation name | Environment Protection Authority (EPA) |
| Responsible party role | pointOfContact |

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| Lineage | <p>Linework has been derived from manual interpretation of stereoscopic 3D ADS-40 imagery collected at a 50cm resolution. Date of photography varies across eastern NSW between 2009-2015. Interpretation has collected a range of floristic attributes including canopy species dominance, understorey attributes and assessment of landscape characteristics. Lines have been interpreted using a viewing scale between 1:2000- 1: 5000. Interpretation has been supported by field traverse (except bogs and saltmarsh), and existing field based observation data held by OEH. Final linework was assembled using combinations of aerial photo patterns, predictive TEC models, systematic plot data and where relevant fine scale topographic data derived from 1 metre resolution digital elevation model.</p> | |
| Limitations on public access | | |
| Scope | dataset | |
| DQ Conceptual Consistency | <p>Explanation Standard API mapping pathways have been established for mappers to apply consistent interpretation of vegetation features including, size criteria and polygon attribution</p> | |
| DQ Topological Consistency | <p>Explanation Not assessed</p> | |
| DQ Absolute External Positional Accuracy | <p>Explanation Positional accuracy for operational maps has been measured using independent assessment of interpreted lines as a mean of 8.5 metres. Other influence on positional accuracy include the accuracy of field based GPS records currently tested at a mean of 9.2 metres. Some error with interpreted line from 2D to 3D environment can result in a positional shift of up to 10 metres.</p> | |
| DQ Non Quantitative Attribute Correctness | <p>Explanation Attribution is consistent</p> | |
| Responsible party | <p>Contact position Data Broker</p> <p>Organisation name Environment Protection Authority (EPA)</p> <p>Responsible party role pointOfContact</p> | |
| Metadata point of contact | <p>Contact position Data Broker</p> <p>Organisation name Environment Protection Authority (EPA)</p> <p>Responsible party role pointOfContact</p> | |
| Metadata date | 2024-02-26T13:07:32.104136 | |
| Metadata language | | |