Title	Assessment of Montane Peatlands and Swamps EEC on NSW Crown Forest Estate
Alternative title(s)	Montane Peatlands Swamps: Survey, Classification and Mapping Completed for the NSW Environment Protection Authority
Abstract	The operational map for Montane Peatlands and Swamps 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 (TEC) Reference Panel (the Panel) reviewed the determination for Montane Peatlands and Swamps and agreed upon a set of diagnostic parameters for its identification through aerial photograph interpretation (API). These parameters included an elevation of greater than 400m and, broadly, the presence of treeless native vegetation on poorly drained soils. Using API, we then assessed whether Montane Peatlands and Swamps is present within more than 828,000 hectares of state forests within the coastal, tableland and montane regions of eastern NSW. A number of State Forests were excluded from the assessment because they fell below the elevation threshold or were underlain by Triassic sandstone sediments, which are explicitly excluded in the determination for Montane Peatlands and Swamps. In total we identified 1729.5 hectares of candidate Montane Peatlands and Swamps across State Forests in eastern NSW. From this we constructed several operational maps showing the extent of the Montane Peatlands and Swamps TEC within the relevant State Forests. More than 60% of the total mapped areas were located in the southern tablelands. The largest areas of the candidate TEC were mapped in Bago, Glenbog and Badja State Forests in the south, and in Boonoo and Girard State Forests in the north. Patch size varied, with more than 200 patches being smaller than 0.1 hectare and around 50 patches being larger than 30 hectares. It is noted that the broad mapping criteria will have captured a wide range of floristic assemblages including swamps, bogs, marshes, fens, meadows, grasslands and herb fields. Not all of these assemblage will be Montane Peatlands and Swamps, and it is highly likely that the mapping has captured two related TECs due to their overlapping environmental gradients and similar vegetation structure. These two TECs (Upland Wetlands of the Drainage Divide of the New England Bioregion and Carex Sedgeland of the New England Tableland, Nandewar, Brigalow Belt South and NSW North Coast Bioregions) are both candidate TECs within State Forests in their own right. 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.

Resource locator

Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Assessment of Montane Peatlands and Swamps EEC on NSW Crown Forest Estate Function: download
Assessment of Montane Peatlands and Swamps EEC on NSW Crown Forest Estate	Name: Assessment of Montane Peatlands and Swamps EEC on NSW Crown Forest Estate Protocol: WWW:DOWNLOAD-1.0-http--download Description: Report on the Assessment of Montane Peatlands and Swamps EEC on NSW Crown Forest Estate Function: download
Operational Map for Montane Peatlands and Swamps Threatened Ecological Community on NSW Crown	Name: Operational Map for Montane Peatlands and Swamps Threatened Ecological Community on NSW Crown Forest Estate Protocol: WWW:DOWNLOAD-1.0-http--download Description: Shapefile - Operational map for the Assessment of Montane Peatlands and Swamps EEC on NSW Crown Forest Estate Function: download

Forest Estate	
Operational and Indicative Maps for the Assessment of Threatened Ecological Communities on NSW Crown Forest Estate	Name: Operational and Indicative Maps for the Assessment of Threatened Ecological Communities on NSW Crown Forest Estate Protocol: WWW:DOWNLOAD-1.0-http--download 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	dea7862a-c2de-40a4-83d0-4a61963caa50

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/dea7862a-c2de-40a4-83d0-4a61963caa50
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	1:None

scale
Topic category

Keyword set	
keyword value	Threatened Ecological Community Endangered Ecological Community Vegetation State Forest Montane Peatlands and Swamps EEC TEC Environment Protection Authority EPA
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	148.11201
East bounding longitude	152.90269
North bounding latitude	-36.99642
South bounding latitude	-28.27997
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

Lineage

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.

Limitations on public access

Scope	dataset

DQ Conceptual Consistency

Explanation	Standard API mapping pathways have been established for mappers to apply consistent interpretation of vegetation features including, size criteria and polygon attribution.

DQ Topological Consistency

Explanation	Not assessed

DQ Absolute External Positional Accuracy

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.

DQ Non Quantitative Attribute Correctness

Explanation	Attribution is consistent.

Responsible party

Contact position	Data Broker
Organisation name	Environment Protection Authority (EPA)
Responsible party role	pointOfContact

Metadata point of contact

Contact position	Data Broker
Organisation name	Environment Protection Authority (EPA)
Responsible party role	pointOfContact

Metadata date

2024-02-26T12:50:46.203775

Metadata language