Title	Assessment of White Gum Moist Forest on NSW Crown Forest Estate	
Alternative title(s)	Indicative White Gum Moist Forest: Survey, Classification and Mapping Completed for the NSW Environment Protection Authority	
Abstract	An indicative map for White Gum Moist Forest (WGMF) 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 determination of WGMF was reviewed by the project's Threatened Ecological Community (TEC) Reference Panel (the Panel), and a set of diagnostic parameters for identifying the WGMF TEC was agreed. Our mapping process relied upon the occurrence of E.dunnii to diagnose the presence of WGMF.	
	We reviewed existing vegetation maps, predictive models and observation records of E.dunnii to identify State Forests that are known or likely to include stands of the species. We then attempted several different approaches to sampling and mapping E.dunnii using ground based surveys, predictive modelling and aerial photograph interpretation (API). We used API assessment of known E.dunnii stands to identify image patterns and signatures that indicated the presence of E.dunnii. We used our findings to examine un-surveyed areas of relevant state forests via API, and then we mapped any areas which appeared to be dominated or co-dominated by E.dunnii. We also developed a Random Forest presence-absence model and used it to predict the distribution of WGMF across its range. We constructed an indicative map of WGMF using the combined results of our API mapping and our predictive model. In total, we mapped approximately 980 hectares of forest likely to be dominated or co-dominated by E.dunnii across 16 State Forests. Two thirds of the mapped area is associated with the northern populations of E.dunnii - the largest areas were in Beaury, Donaldson and Yabbra State Forests. In the southern area, Kangaroo River State Forest includes the largest representation of E.dunnii no field reconnaissance. Therefore, further work is required to increase API confidence throughout its range before our maps are suitable for operational applications. Nonetheless, our indicative map is still useful for providing a list of State Forests that include mapped areas of E.dunnii and its dominance, however, it is unlikely that extensive stands exist outside our mapped areas. We also conclude that existing mapping (including both forest type mapping and OEH (2012) mapping significantly underestimates the likely true extent). Indicative TEC Mapping have been generated from best available composite environmental data layers - standardised to 30 m pixels.	
Resource loca	tor	
Data Quality	Name: Data Quality Statement	
<u>Statement</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	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.	
	Function: download	
Assessment of	Name: Assessment of White Gum Moist Forest on NSW Crown Forest Estate	
<u>White Gum</u> <u>Moist Forest</u> <u>on NSW Crown</u> <u>Forest Estate</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	Report on the Assessment of White Gum Moist Forest on NSW Crown Forest Estate	
	Function: download	
Indicative Map for White Gum	Name: Indicative Map for White Gum Moist Forest Threatened Ecological Community on NSW Crown Forest Estate	
Moist Forest Threatened	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
Ecological	Description:	
Community on NSW Crown	Shapefile - Indicative map for the Assessment of White Gum Moist Forest on NSW	

Forest Estate	Crown Forest Estate	
	Function: download	
<u>Operational</u> and Indicative	Name: Operational and Indicative Maps for the Assessment of Threatened Ecological Communities on NSW Crown Forest Estate	
<u>Maps for the</u> Assessment of	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
Threatened	Description:	
<u>Ecological</u> <u>Communities</u> on NSW Crown	ESRI ArcGIS Layer File - Operational and Indicative Maps for the Assessment of Threatened Ecological Communities on NSW Crown Forest Estate	
Forest Estate	Function: download	
Native Forestry	Name: Native Forestry Map Viewer	
<u>Map Viewer</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	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	7cf8df6f-8a3a-42e7-8062-aaebd4b35722	
Presentation form	Document digital	
Edition	Version 1	
Dataset language	English	
Metadata standard		
Name	ISO 19115	
Edition	2016	
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/7cf8df6f-8a3a-42e7-8062-aaebd4b35722	
Purpose	Native Forestry Regulation on State Forests	
Status	Completed	
Spatial representation		
Туре	vector	
Geometric Object Type	curve	
Spatial reference system		
Code identifying the spatial reference system	4283	
Spatial		

resolution	30 m
Topic category	

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

Lineage	Line Work has been derived from the interpolation of Random Forest models based on the combination of 30m gridcell resolution climatic, topographic, substrate and remotely sensed variables. Individual grid cells represent probabilities of occurrence based on unique combinations and thresholds applied to selected variables. The lineage of model data has been drawn from a set of 158 individual data layers representing the NSW environmental data coverage.				
Limitations	on public access				
Scope	dataset				
DQ Concept	ual Consistency				
Explanatio		Standard API mapping pathways have been established for mappers to apply consistent interpretation of vegetation features including, size criteria and polygon attribution.			
DQ Topolog	ical Consistency				
Explanation Not assessed					
DQ Absolute	DQ Absolute External Positional Accuracy				
Explanatio	For indicative maps positional accuracy may vary depending on the selected layers chosen in the statistical model. These may vary from source data but include 1:250000 substrate layers, 30m DEM derived topographic and climatic indices. Positional accuracy may exceed 200m with minimum polygon sizes of some environmental selected layers reaching 50 hectares.				
DQ Non Qua	ntitative Attribute Correctnes	S			
Explanatio	n Attribution is consiste	nt			
Responsible party					
Contact po	osition	Data Broker			
Organisation name		Environment Protection Authority (EPA)			
Responsib	le party role	pointOfContact			
Metadata point of contact					
Contact po	osition	Data Broker			
Organisation name		Environment Protection Authority (EPA)			
Responsible party role		pointOfContact			
Metadata	date	2024-02-26T13:07:13.274734			
Metadata	language				