Title Melville Range Nature Reserve Vegetation 2006 VIS ID 4746 **Alternative** MelvilleRangeNR 2006 E 4746 title(s) Melville Range Nature Reserve vegetation mapping was undertaken by Dr John T. **Abstract** Hunter and Paul Sheringham in 2006 by contract for the NPWS Northern Tableland Region. Melville Range Nature Reserve comprises some 843 ha of land and lies between Tamworth and Gunnedah. These lands were previously freehold and all boundaries are with freehold lands. Us such much of the past landuse management has been for grazing and some timber removal. The reserve falls within the Nandewar Bioregion and the North Western Slopes Botanical Division. The vegetation of Melville Range Nature Reserve is described and mapped (scale 1:25 000). Five communities are defined based on classification (Kulczynski association). These five communities were mapped based on ground truthing, air photo interpretation and landform. Almost all of the reserve is dominated by the trees Eucalyptus crebra, Euc. albens and Euc. dealbata with a sparse shrub layer of Notelaea microcarpa, Psydrax odoratum and Bursaria longisepala and an understorey dominated by Aristida ramosa, Scutellaria humilis, Arthropodium sp. B, Joycea pallida, Geranium solanderi, Dichondra sp. A and Cymbopogon refractus. Much of the reserve has been disturbed in the past, particularly clearing and grazing. Parts of Community 3: Dry Rainforest, are likely to conform to the Endangered Ecological Community of Semi-Evergreen Vine Thickets. Communities 4 and 5 should be considered as highly restricted and therefore of concern. VIS ID 4746 Resource locator Name: Data Quality Statement **Data Quality** Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Melville Range Nature Reserve Vegetation 2006 VIS ID 4746 Function: download Name: Melville Range Nature Reserve Vegetation 2006 VIS ID 4746 Melville Range **Nature Reserve** Protocol: WWW:DOWNLOAD-1.0-http--download **Vegetation** 2006 VIS\_ID Description: 4746 Download Data Package Function: download Unique resource identifier Code f8379152-62fe-4fe0-9b41-e106f2b10032 Presentation Map digital form Edition 01/09/2006 Dataset **English** language Metadata standard Name ISO 19115 Edition 2016

https://datasets.seed.nsw.gov.au/dataset/f8379152-62fe-4fe0-9b41-e106f2b10032

Dataset URI

Purpose	Park and fire management	
Status	Completed	
Spatial representation		
Туре	vector	
Geometric Object Type	complex	
Spatial reference system		
Code identifying the spatial reference system	4283	
Spatial resolution	10 m	
Topic category		

Keyword set			
keyword value	VEGETATION-Floristic		
Originating controlled vocabulary			
Title	ANZLIC Search Words		
Reference date	2008-05-16		
Geographic location			
West bounding longitude	150.56131		
East bounding longitude	150.703033		
North bounding latitude	-31.176543		
South bounding latitude	-31.07215		
NSW Place Name	West of Tamworth, NSW		
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	2006-01-01		
End position	N/A		
Dataset reference date			
Resource maintenance			
Maintenance and update frequency	Unknown		
Contact info			
Contact position	Data Broker		
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Responsible party role	pointOfContact		

# Lineage

Dr John T. Hunter prepared the report of the vegetation of the Melville Range Nature Reserve. Aims included the collation of existing information from previous floristic surveys and the placement of stratified full vascular plant floristic sites be carried out in order to complete a comprehensive investigation of the vegetation and flora of Melville Range NR. The report represents the findings of this study. The collated information is to be used as a guide for management purposes.

The requirements of the investigation were: 1. Collate existing information from previous vegetation surveys conducted within the conservation areas. 2. Site placement to be based on selected environmental variables and be distributed based on the area they occupy. 3. Identify weed species and their occurrence. 4. Identify RoTAP, EPB&C Act and TSC Act species and their occurrence. 5. Identify regionally significant species. 6. Provide known fire ecology information on species and communities. 7. Construction of a vegetation map based on communities as defined by classification and ordination analyses. 8. Provide management recommendations.

#### Limitations on public access

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### Metadata language