

General Properties	
File Identifier	AEECB298-2F6A-4C1F-AFFA-8B3A49EEEEBE2
Hierarchy Level	dataset
Hierarchy Level Name	dataset
Standard Name	ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata
Standard Version	1.1
Date Stamp	2020-06-03
Resource Title	Map of the terrestrial ecosystems of Myanmar, Version 1.0
Format Name	*.shp
Format Version	Unknown
Key Dates and Languages	
Date of creation	2020-02
Date of revision	NA
Metadata Language	eng
Metadata Character Set	utf8
Dataset Languages	eng
Dataset Character Set	utf8
Abstract	<p>This map of the terrestrial ecosystems of Myanmar was developed using a supervised learning approach to classify earth observation data and other geospatial datasets into broad mappable units, which was then split into the ecosystem types defined by the IUCN Red List of Ecosystems of Myanmar project. The shapefile presents the hierarchical ecosystem typology for Myanmar, including attributes that indicate ecosystems grouped at the Biome (11 classes), Functional Ecotype (21 classes) and Ecosystem Type (66 classes) level of the Myanmar ecosystem typology. For further information refer to the report:</p> <p>Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) <i>Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0</i>. Wildlife Conservation Society. DOI: xxx</p>
Purpose	
Metadata Contact Information	
Name of Individual	Dr. Nicholas Murray
Organisation Name	College of Science and Engineering, James Cook University
Position Name	Senior Research Fellow
Role	Author
Voice	61-7-47814453
Facsimile	-
Email Address	nicholas.murray@jcu.edu.au
Address	College of Science and Engineering, James Cook University
	Townsville, Queensland 4811
	Australia
Resource Contacts	
Name of Individual	Dr. Nicholas Murray
Organisation Name	College of Science and Engineering, James Cook University

Position Name	Senior Research Fellow																		
Role	author																		
Voice	61-7-47814453																		
Facsimile	-																		
Email Address	nicholas.murray@jcu.edu.au																		
Address	College of Science and Engineering, James Cook University																		
	Townsville, Queensland 4811																		
	Australia																		
Credit	Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) Map of the terrestrial ecosystems of Myanmar, Version 1.0. Figshare DOI: 10.6084/m9.figshare.12364067																		
	This dataset was developed by the project working group of the Myanmar IUCN Red List of Ecosystems. Members of the team include: <table border="0"> <tr> <td>Nicholas J. Murray</td> <td>University of New South Wales & James Cook</td> </tr> <tr> <td>David A. Keith</td> <td>University of New South Wales, Australia</td> </tr> <tr> <td>Rob Tizard</td> <td>Wildlife Conservation Society, Myanmar</td> </tr> <tr> <td>Adam Duncan</td> <td>Wildlife Conservation Society, Canada</td> </tr> <tr> <td>Win Thuya Htut</td> <td>Wildlife Conservation Society, Myanmar</td> </tr> <tr> <td>Nyan Hlaing</td> <td>Wildlife Conservation Society, Myanmar</td> </tr> <tr> <td>Aung Htat Oo</td> <td>Wildlife Conservation Society, Myanmar</td> </tr> <tr> <td>Kyaw Zay Ya</td> <td>Wildlife Conservation Society, Myanmar</td> </tr> <tr> <td>Hedley Grantham</td> <td>Wildlife Conservation Society, Australia</td> </tr> </table>	Nicholas J. Murray	University of New South Wales & James Cook	David A. Keith	University of New South Wales, Australia	Rob Tizard	Wildlife Conservation Society, Myanmar	Adam Duncan	Wildlife Conservation Society, Canada	Win Thuya Htut	Wildlife Conservation Society, Myanmar	Nyan Hlaing	Wildlife Conservation Society, Myanmar	Aung Htat Oo	Wildlife Conservation Society, Myanmar	Kyaw Zay Ya	Wildlife Conservation Society, Myanmar	Hedley Grantham	Wildlife Conservation Society, Australia
Nicholas J. Murray	University of New South Wales & James Cook																		
David A. Keith	University of New South Wales, Australia																		
Rob Tizard	Wildlife Conservation Society, Myanmar																		
Adam Duncan	Wildlife Conservation Society, Canada																		
Win Thuya Htut	Wildlife Conservation Society, Myanmar																		
Nyan Hlaing	Wildlife Conservation Society, Myanmar																		
Aung Htat Oo	Wildlife Conservation Society, Myanmar																		
Kyaw Zay Ya	Wildlife Conservation Society, Myanmar																		
Hedley Grantham	Wildlife Conservation Society, Australia																		
Lineage Statement	This dataset was produced by first developing a training set of 63124 point observations map classes that could be related to ecosystem types. The distribution of each map class was modelled using a random forest classifier and 89 covariate layers developed from data acquired in 2018. Each mappable unit was then compiled into a single map and a variety of expert rules were applied to split the map into ecosystem types defined by the IUCN Red List of Ecosystems of Myanmar ecosystem typology. Additional ecosystem types, including mudflats, aerobic caves, and glacial lakes were added from freely available published data. The final dataset thus depicts the modelled distribution of 52 terrestrial ecosystem types mapped at 90-m resolution. Owing to a lack of validation data that could be used to assess map accuracy, the dataset was subject to qualitative expert review at a workshop held in Naypyidaw, Myanmar, in 2019. Refer to Murray et al (2020) for the details of the mapping method. Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) <i>Threatened Ecosystems of Myanmar: An IUCN Red List of Ecosystems Assessment. Version 1.0</i> . Wildlife Conservation Society. DOI: xxx																		
Jurisdictions																			
	Myanmar																		
Search Words																			

	ECOLOGY-Ecosystem
	ECOLOGY-Landscape
	VEGETATION
	WATER-Wetlands
	LAND-Cover
	VEGETATION-Structural
Themes and Categories	
Topic Category	environment
Topic Category	biota
Topic Category	structure
Topic Category	planningCadastre
Status and Maintenance	
Status	completed
Maintenance and Update Frequency	there are no plans to update the data
Date of Next Update	NA
Reference system	
Reference System	EPSG:4326 - WGS 84 - Geographic
Data Scales/Resolutions	
Scale/Resolution	90m
Spatial Representation Type	
Spatial Representation Type	vector
Metadata Security Restrictions	
Classification	unclassified
Authority	
Use Limitations	This data is licensed under a CC-BY 4.0 Licence
Dataset Security Restrictions	
Classification	unclassified
Authority	
Use Limitations	This data is licensed under a CC-BY 4.0 Licence
Dataset Access Constraints	
Identifier	license
Annotation	This data is licensed under a CC-BY 4.0 Licence

	<p>The data author requests attribution in the following manner:</p> <p>Murray, N.J., Keith, D.A., Tizard, R., Duncan, A., Htut, W.T., Hlaing, N., Oo, A.H., Ya, K.Z., Grantham, H. (2020) Map of the terrestrial ecosystems of Myanmar, Version 1. Figshare DOI: 10.6084/m9.figshare.12364067</p>
Additional Extents - Geographic	
Identifier	Myanmar
Additional Extent - Temporal	
From Date/Time	2018
To Date/Time	2018
Distribution Information	
Distributor 1	
Distributor 1 Contact	
Name of Individual	Dr. Nicholas Murray
Organisation Name	College of Science and Engineering, James Cook University
Position Name	Senior Research Fellow
Role	Author
Voice	61-7-47814453
Facsimile	-
Email Address	nicholas.murray@jcu.edu.au
Address	College of Science and Engineering, James Cook University
	Townsville, Queensland 4811
	Australia
Distributor 1 Standard Order Process Information	
Fees and terms	This dataset is offered free under the CC-BY 4.0 Licence
Planned available date/time	NA
Ordering instructions	Access via Figshare using the DOI: 10.6084/m9.figshare.12364067
Typical turnaround time	