#### Title SLATS Non-Woody 2018, 2019 & 2020

#### **Abstract**

This layer shows state-wide SLATS Non-Woody data based on the analysis of multi-date Sentinel2 and Planet Maps imagery for 2018, 2019 & 2020.

Non-woody disturbance (removal of grasses, small shrubs and groundcover) is identified by interpreters by comparing two high-resolution satellite images and analysing changes using a range of additional data and imagery products. NWD eras are defined by the year that the majority of clearing took place. Interpreters assign a replacement landcover class that indicates the likely purpose for which the vegetation was disturbed.

A summary of the method is as follows:

- 1. Non-woody disturbance across the state is detected in areas that have low disturbance from 1990. State forest and National Park are excluded from this analysis.
- 2. Visual assessment is done at a scale of 1:20,000 across the state using pre and post imagery sources and ancillary datasets.
- 3. Where disturbance is identified, it is captured and mapped a scale of 1:10,000 (or finer scale).
- 4. Data is available as a raster at 10m cell

Non-woody disturbance data is combined with State-wide Land and Tree Study data and the Native Vegetation Regulatory Map to produce the Rural Regulated Landcover Monitoring Report. Analysis is undertaken to prevent double counting across clearing events.

For greater accuracy, SLATS non woody clearing mapping occurs over 2 mapping seasons. The data packages on SEED combine both into a single year of clearing.

Non-woody disturbance is provided as a raster with the following data key:

- 1. Natural
- 2. Agriculture
- 3. Infrastructure
- 4. Forestry

Links to the relevant landcover change on rural regulated land reports and spreadsheets are shown below:

 $\frac{\text{https://www.environment.nsw.gov.au/topics/animals-and-plants/native-vegetation/landcover-science/2021-nsw-vegetation-clearing-report#:~:text=In%202021%2C%204%2C724%20hectares%20were,a%2041%25%20increase%20on%202020.}{}$ 

 $\underline{\text{https://www.environment.nsw.gov.au/topics/animals-and-plants/native-vegetation/landcover-science/2020-landcover-change-reporting}$ 

 $\underline{\text{https://www.environment.nsw.gov.au/topics/animals-and-plants/native-vegetation/landcover-science/2019-landcover-change-reporting}$ 

https://www.environment.nsw.gov.au/topics/animals-and-plants/native-vegetation/landcover-science/2018-landcover-change-reporting

Remotely sensed imagery is routinely collected by DPE and used to map vegetation clearing. This data is spatially explicit and can be used with other datasets to identify activity on individual lots. Please read the Privacy collection notice (PDF 50KB) for more information.

## Resource locator

### <u>Data Quality</u> <u>Statement</u>

Name: Data Quality Statement

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

Description:

Data quality statement for Non Woody Disturbance 2018 Era Data

Function: download

# Privacy Collection Notice

Name: Privacy Collection Notice

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

Description:

Notice that Spatially explicit imagery is routinely collected by the department. Spatially explicit data can be used to identify activity at a property scale.

Function: download

#### 2018 SLATS Non Woody spatial data

Name: 2018 SLATS Non Woody spatial data

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

Description:

SLATS Non Woody spatial data Key: 1 - natural 2 - agricultural 3 - Infrastructure 4 - Forestry

Function: download

#### 2019 SLATS Non Woody spatial data

Name: 2019 SLATS Non Woody spatial data

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

Description:

2020 SLATS Non Woody spatial data	Function: download		
	Name: 2020 SLATS Non Woody spatial data		
	Protocol: WWW:DOWNLOAD-1.0-httpdownload		
	Description:		
	SLATS Non Woody spatial data Key: 1 - natural 2 - agricultural 3 - Infrastructure 4 - Forestry		
	Function: download		
Unique resource identifier			
Code	cb1b4925-c027-4234-97bd-cc04103cf834		
Presentation form	Map digital		
Edition	1		
Dataset language	English		
Metadata stand	ard		
Name	ISO 19115		
Edition	2016		
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/cb1b4925-c027-4234-97bd-cc04103cf834		
Purpose	To support the NSW Annual SLATS and Woody - Non Woody on Rural Regulated land reports which are DPIE's comprehensive summary of actions undertaken by private and public land managers to conserve and manage native vegetation. These reports are released in June each year.		
Status	Completed		
Spatial representation type	grid		
Spatial reference system			
Code identifying the spatial reference system	4283		
Spatial resolution	5 m		
Topic category			

SLATS Non Woody spatial data Key: 1 - natural 2 - agricultural 3 - Infrastructure 4 - Forestry

Keyword	set	
keyword va	lue	PHOTOGRAPHY-AND-IMAGERY-Satellite
		VEGETATION
		LAND-Cover
Originating	controlled vocabulary	
Title		ANZLIC Search Words
Reference	e date	2008-05-16
Geograph	ic location	
West bound	ling longitude	141
East bounding longitude		154
North bounding latitude		-37.7
South bounding latitude		-28
Vertical e	xtent information	
Minimum value		-100
Maximum v	alue	2228
Coordinate	reference system	
Authority	code	urn:ogc:def:cs:EPSG::
Code iden	tifying the coordinate reference system	5711
Temporal	extent	
Begin position		2018-01-01
End position		N/A
Dataset ro	eference date	
Resource	maintenance	
Maintenanc	e and update frequency	Not planned
Contact info	0	
Contact position		Data Broker
Organisation name		NSW Department of Climate Change, Energy, the Environment and Water
Telephone number		131555
Email address		data.broker@environment.nsw.gov.au
Web address		https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role		pointOfContact
Lineage	ArcGIS Panel Review: Round tab	oing using ArcGIS Peer Review: Manual check of initial edits by first mapper using le discussion,presentation,analysis of Statewide dataset for refinement Vector to ntific Data Compute(SDC) for processing and delivery
Limitations	on public access	
Responsi	ble party	
Contact p	osition Data Broker	

Organisation name NSW Department of Climate Change, Energy, the Environment and Water

Telephone number 131555

Email address <u>data.broker@environment.nsw.gov.au</u>

Web address <a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>

Responsible party role pointOfContact

Metadata point of contac	et
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact
Metadata date	2024-09-18T04:05:45.119040
Metadata language	