Title	NSW inundation count dataset: all dates

Abstract	This raster dataset covers all of NSW and is a raw count of inundated pixel observations from all available Landsat acquisitions from mid 1984 to mid 2016. The dataset was produced by applying a water index to each Landsat scene using the technique developed by Fisher and Danaher (2016). Water indexed images were classified into inundated and not inundated classes using a threshold value of -10. Masking of cloud, cloud shadow and other erroneous pixels resulting from sensor anomalies was undertaken using the F-mask technique (Zhu and Woodcock 2012) and these pixels were allocated a 'no data' value . The classified images (with pixels allocated to 'inundated' or 'not inundated' or 'no data' classes) were then stacked and the number of inundated observations were counted for each pixel in available Landsat scenes. Known commission errors include areas of terrain shadow, building shadow especially in urban areas, and tall dense forest such as some pine plantations. Known omission errors include areas of greater vegetation cover. Potential users should note that inundated observations are only recorded for cloud free observation times and locations, thus inundation events on cloudy days may not have been detected.

Resource locator

Data Quality Statement	Name: Data Quality Statement
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Data quality statement for NSW inundation count dataset: all dates
	Function: download
NSW Wetland Inventory: Pilot study mapping and classification method statement	Name: NSW Wetland Inventory: Pilot study mapping and classification method statement
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	This document outlines mapping methods trialled and developed for the NSW Wetland Inventory Pilot project in the Lachlan River Catchment.
	Function: download
NSW Inundation Count - All Dates	Name: NSW Inundation Count - All Dates
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Download Raster data package
	Function: download

Unique resource identifier

Code	eee463b9-fe82-4251-9149-05c63ec32841

Presentation form	Image digital

Edition	1.0

Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/eee463b9-fe82-4251-9149-05c63ec32841
Purpose	spatial modelling - inundation, surface water, wetlands, biodiversity
Status	Under development
Spatial representation type	grid
Spatial reference system	
Code identifying the spatial reference system	4283
Spatial resolution	10 m
Topic category	

Keyword set

keyword value	inundation
	surface water
	wetlands

Originating controlled vocabulary

Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	140.273438
East bounding longitude	153.984375
North bounding latitude	-37.662947
South bounding latitude	-28.087486

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	1984-06-01
End position	N/A

Dataset reference date

Resource maintenance

Maintenance and update frequency	Not planned

Contact info

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   Refer to metadata statement and report for methods and lineage.

Limitations on public access	

Responsible party

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Metadata date	2024-02-26T15:29:20.112507

Metadata language