

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