# Title Reliable Surface Water in NSW

#### **Abstract**

This map was created by the Department of Primary Industries (Office of Water) in 2013 to identify areas in NSW with a reliable surface water supply. Land with reliable surface water was defined as areas:

- buffering all regulated rivers and creeks by 150 metres,
- buffering unregulated rivers and creeks with a 5th stream order or higher, by 150 metres.
- buffering 3rd and 4th stream order unregulated rivers and creeks, by 150 metres

Reliable surface water mapping along with two other datasets (rainfall of 350mm for more per annum - 9 out of 10 years and highly productive groundwater) are used to identify land with access to a reliable water supply, forming part of the regional and site level assessment classification of Biophysical Strategic Agricultural Land (BSAL).

Under the Mining SEPP, all State Significant Development applications require a Site Verification Certificate to determine if their site contains any BSAL and therefore requiring further assessment from the Mining and Petroleum Gateway Panel. This process is managed by <a href="Polynoment and Assessment, Department of Planning, Industry">Planning, Industry</a> and <a href="Environment">Environment</a> and are custodian of the dataset.

A pdf map and GIS shapefile of this dataset is accessible from the resources section of the metadata.

## Resource locator

Data Quality
Statement

Name: Data Quality Statement

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

Description:

Data quality statement for Reliable surface water in NSW

Function: download

NSW Reliable Surface Water map Name: NSW Reliable Surface Water map

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

Description:

PDF map of Reliable Surface Water in NSW - June 2013

Function: download

<u>Download</u> <u>Package</u> Name: Download Package

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

Description:

Data (Shapefile).

Function: download

# Unique resource identifier

Code f20cb804-3f4f-4ad7-8512-bf00f124629a

Presentation form

Map digital

Edition 1.0

Dataset language

English

### Metadata standard

Name ISO 19115

Edition	2016	
Dataset URI	https://www.planningportal.nsw.gov.au/opendata/dataset/f20cb804-3f4f-4ad7-8512-bf00f124629a	
Purpose	One intended purpose is to be used as part of the Site Verification Certificate (SVC) process to determine if land contains Biophysical Strategic Agricultural Land.	
Status	Completed	
Spatial representation		
Туре	vector	
Geometric Object Type	surface	
Spatial reference system		
Code identifying the spatial reference system	4283	
Spatial resolution	0 m	
Additional information source	GIS attribute fields	
	<ul> <li>Regulated Rivers - (Regulated_River_areas_Buf150m)</li> <li>NameWSPlan - Title of water sharing plan associated with river or creek</li> <li>WtrSharPln - Water sharing plan</li> <li>Wtr_Source - Source of river/creek</li> <li>RivCk_name - Name of regulated river or creek</li> <li>WSP_Status - Status of water sharing plan in 2003</li> <li>StartDate - Start date of water sharing plan</li> <li>End_Date - End date of water sharing plan</li> <li>Comments - Notes about the watercourse or water sharing plan</li> <li>Plan_No - Version of water sharing plan</li> </ul>	
	Unregulated rivers and creeks - (Reliable_River_Areas_SO_5plus_Buf150m) & (Reliable_River_Areas_SO_3and4_Buf150m)	
	<ul> <li>HydroName - Name of watercourse</li> <li>HydroNType - Type of watercourse (e.g. river or creek)</li> <li>Strahler - Stream order number of watercourse segment (using the Strahler classification method)</li> </ul>	
Topic category	environment	

Keyword set			
keyword value	WATER-Groundwater		
	WATER-Quality		
Originating controlled vocabulary			
Title	ANZLIC Search Words		
Reference date	2008-05-16		
Geographic location			
NSW Place Name	New South Wales		
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	2004-07-01		
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		
Full postal address	NSW		
	Australia		
	data.broker@environment.nsw.gov.au		
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

This map was derived from the merging of three buffered (150 metres) drainage datasets incorporating regulated rivers/creeks and all watercourses with a stream order classification of three or greater. The resulting areas are identified as having reliable surface water in NSW

The regulated rivers dataset was based on existing water sharing plan (WSP) during 2013 and information about the WSPs are provided in the attribute table of the GIS shapefile. Other watercourse datasets used the Strahler classification method to assign stream order to watercourse segments.

#### Constraint set

Use

constraints

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Change, Energy, the Environment and Water' in publications using this data.

Limitations on public access

Scope dataset

**DQ** Conceptual Consistency

Effective date

2021-04-14

Explanation

The three described datasets identifying reliable surface water are provided in the download resource package. This was the method that DPI Water delivered the GIS package originally in 2013.

In some situations, rivers identified using stream order, may also have a water sharing plan and regulated. Linework for these areas have both been preserved in the GIS datasets under each category. Also all buffered surfaces within the GIS files have been kept in the three datasets and as a result, some overlapping of features occur and are intended/valid. These may occur around the intersection of watercourses.

Responsible party

Contact position Data Broker

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

Full postal address NSW

Australia

data.broker@environment.nsw.gov.au

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 contact Contact position Data Broker NSW Department of Climate Change, Energy, the Environment and Water Organisation name Full postal address NSW Australia data.broker@environment.nsw.gov.auTelephone number 131555 data.broker@environment.nsw.gov.au Email address Web address  $\underline{https://www.nsw.gov.au/departments-and-agencies/dcceew}$ Responsible party role pointOfContactMetadata date 2024-02-26T13:34:43.813403

Metadata language