

Title	Reliable Surface Water in NSW
Abstract	<p>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:</p> <ul style="list-style-type: none"> • 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 <p>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).</p> <p>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 Planning and Assessment, Department of Planning, Industry and Environment and are custodian of the dataset.</p> <p>A pdf map and GIS shapefile of this dataset is accessible from the resources section of the metadata.</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 Reliable surface water in NSW</p> <p>Function: download</p>
NSW Reliable Surface Water map	<p>Name: NSW Reliable Surface Water map</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>PDF map of Reliable Surface Water in NSW - June 2013</p> <p>Function: download</p>
Download Package	<p>Name: Download Package</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data (Shapefile).</p> <p>Function: download</p>

Unique resource identifier	
Code	0fd59129-0ded-43a0-b8f5-fcc0caf4940a
Presentation form	Map digital
Edition	1.0
Dataset language	English
Metadata standard	
Name	ISO 19115

Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/0fd59129-0ded-43a0-b8f5-fcc0caf4940a
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	
Type	vector
Geometric Object Type	surface
Spatial reference system	
Code identifying the spatial reference system	4283
Spatial resolution	0 m
Additional information source	<p>GIS attribute fields</p> <p><i>Regulated Rivers - (Regulated_River_areas_Buf150m)</i></p> <ul style="list-style-type: none"> • NameWSPlan - Title of water sharing plan associated with river or creek • WtrSharPln - Water sharing plan • Wtr_Source - Source of river/creek • RivCk_name - Name of regulated river or creek • WSP_Status - Status of water sharing plan in 2003 • StartDate - Start date of water sharing plan • End_Date - End date of water sharing plan • Comments - Notes about the watercourse or water sharing plan • Plan_No - Version of water sharing plan <p><i>Unregulated rivers and creeks - (Reliable_River_Areas_SO_5plus_Buf150m) & (Reliable_River_Areas_SO_3and4_Buf150m)</i></p> <ul style="list-style-type: none"> • HydroName - Name of watercourse • HydroNType - Type of watercourse (e.g. river or creek) • Strahler - Stream order number of watercourse segment (using the Strahler classification method)
Topic category	

Keyword set	
keyword value	WATER-Groundwater WATER-Quality
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	140.99927
East bounding longitude	153.63541
North bounding latitude	-37.50503
South bounding latitude	-28.15829
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
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.

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

Telephone number 131555

Email address data.broker@environment.nsw.gov.au

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Metadata date 2024-02-26T13:34:40.420611

Metadata language