

<b>Title</b>	Groundwater Productivity in NSW - 2013
<b>Abstract</b>	<p>This map was created by the Department of Primary Industries (Office of Water) in 2013 to identify areas in NSW with highly productive groundwater. Mapping identifies two classes of productivity, highly productive and less productive. Highly productive groundwater areas are characterised by bores having yield rates greater than 5 litre/second and total dissolved solids of less than 1,500 mg/litre. It also excludes miscellaneous alluvial aquifers called small storage aquifers.</p> <p>This mapped areas of highly productive groundwater along with two other datasets (rainfall of 350mm for more per annum - 9 out of 10 years and reliable surface water) 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 <a href="#">Planning and Assessment, Department of Planning, Industry and Environment</a> and are custodian of this dataset.</p> <p>A pdf map and GIS shapefile of this dataset is accessible from the resources section of the metadata.</p>
<b>Resource locator</b>	
<a href="#">Data Quality Statement</a>	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for Groundwater Productivity in NSW - 2013</p> <p>Function: download</p>
<a href="#">NSW Groundwater Productivity map</a>	<p>Name: NSW Groundwater Productivity map</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>PDF map of Groundwater Productivity in NSW - June 2013</p> <p>Function: download</p>
<a href="#">GIS map Package</a>	<p>Name: GIS map Package</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Download Groundwater Productivity of NSW GIS shapefile</p> <p>Function: download</p>
<b>Unique resource identifier</b>	
<b>Code</b>	f0178fa0-9667-4a5f-bfdc-fbfdc8904b1
<b>Presentation form</b>	Map digital
<b>Edition</b>	1.0
<b>Dataset language</b>	English
<b>Metadata standard</b>	
<b>Name</b>	ISO 19115

Edition	2016
Dataset URI	<a href="https://datasets.seed.nsw.gov.au/dataset/f0178fa0-9667-4a5f-bfdc-fbffdcc8904b1">https://datasets.seed.nsw.gov.au/dataset/f0178fa0-9667-4a5f-bfdc-fbffdcc8904b1</a>
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
<b>Spatial representation</b>	
Type	vector
Geometric Object Type	surface
<b>Spatial reference system</b>	
Code identifying the spatial reference system	4283
Spatial resolution	0 m
Additional information source	<p><b>GIS attribute fields</b></p> <ul style="list-style-type: none"> <li>• Catchment - Water catchment that the groundwater area</li> <li>• WtrShrPln1 - Water sharing plan (WSP) of first aquifer described</li> <li>• W_Source_1 - Location of groundwater source of first aquifer described</li> <li>• Mgt_Zone_1 - Management zone of first aquifer described</li> <li>• GW_Catgry1 - Category of first groundwater aquifer described (ie. fractured rock or alluvial)</li> <li>• Productvty1 - Productivity of first groundwater area (highly or less) described</li> <li>• WtrShrPln2 - Water sharing plan (WSP) of second aquifer described (if applicable)</li> <li>• W_Source_2 - Location of groundwater source of second aquifer described (if applicable)</li> <li>• Mgt_Zone_2 - Management zone of second aquifer described (if applicable)</li> <li>• GW_Catgry2 - Category of second groundwater aquifer described (if applicable). (ie. fractured rock or alluvial)</li> <li>• Productvty2 - Productivity of second groundwater area (highly or less) described (if applicable).</li> <li>• WtrShrPln3 - Water sharing plan (WSP) of third aquifer described (if applicable)</li> <li>• W_Source_3 - Location of groundwater source of third aquifer described (if applicable)</li> <li>• Mgt_Zone_3 - Management zone of third aquifer described (if applicable)</li> <li>• GW_Catgry3 - Category of third groundwater aquifer described (if applicable). (ie. fractured rock or alluvial)</li> <li>• Productvty3 - Productivity of third groundwater area (highly or less) described (if applicable)</li> <li>• WtrShrPln4 - Water sharing plan (WSP) of fourth aquifer described (if applicable)</li> <li>• W_Source_4 - Location of groundwater source of fourth aquifer described (if applicable)</li> <li>• Mgt_Zone_4 - Management zone of fourth aquifer described (if applicable)</li> <li>• GW_Catgry4 - Category of fourth groundwater aquifer described (if applicable). (ie. fractured rock or alluvial)</li> <li>• Productvty4 - Productivity of fourth groundwater area (highly or less) described (if applicable)</li> <li>• WtrShrPln5 - Water sharing plan (WSP) of fifth aquifer described (if applicable)</li> <li>• W_Source_5 - Location of groundwater source of fifth aquifer described (if applicable)</li> <li>• Mgt_Zone_5 - Management zone of fifth aquifer described (if applicable)</li> <li>• GW_Catgry5 - Category of third groundwater aquifer described (if applicable). (ie. fractured rock or alluvial)</li> <li>• Productvty5 - Productivity of fifth groundwater area (highly or less) described (if applicable)</li> </ul>

<b>Topic category</b>	
<b>Keyword set</b>	
keyword value	WATER-Groundwater WATER-Quality
<b>Originating controlled vocabulary</b>	
Title	ANZLIC Search Words
Reference date	2008-05-16
<b>Geographic location</b>	
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
<b>Vertical extent information</b>	
Minimum value	-100
Maximum value	2228
<b>Coordinate reference system</b>	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
<b>Temporal extent</b>	
Begin position	2013-01-01
End position	N/A
<b>Dataset reference date</b>	
<b>Resource maintenance</b>	
Maintenance and update frequency	Not planned
<b>Contact info</b>	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	<a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>
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

**Lineage** This map was derived by collating multiple sources of aquifer information, identifying areas of their location, and other associated details including water sharing plan names, their source, management zones, groundwater type/category and groundwater productivity. Up to 5 different aquifers were assessed within any delineated groundwater map area.

Of importance for this map, is the identification of groundwater productivity (attributed as either highly or less). If any of the aquifers are identified as highly productive then it is considered highly productive overall in the productivity map, even if other groundwater areas (like at a different depth) are classed less productive and occur elsewhere within the same mapped groundwater polygon area.

The assessment of this groundwater productivity map was undertaken in 2013.

**Limitations on public access**

**Scope** dataset

**DQ Completeness Commission**

**Effective date** 2021-04-14

**Explanation** Groundwater productivity was assessed for all areas in NSW. The area within the Australian Capital Territory contains no groundwater information but mapped identifying its catchment only.

**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](mailto:data.broker@environment.nsw.gov.au)

**Web address** <https://www.nsw.gov.au/departments-and-agencies/dcceew>

**Responsible party role** pointOfContact

**Metadata point of contact**

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**Responsible party role** pointOfContact

**Metadata date** 2024-02-26T13:35:54.348082

**Metadata language**