

Title	Translucency Monitoring-Hypothesis 4-Murrumbidgee
Abstract	<p>Rocky riffles in rivers support a complex community of algae, bacteria, fungi and detritus often held together by a polysaccharide matrix. This biofilm provides food for invertebrates, some fish, platypus, rakali and turtles. Biofilms are scoured naturally by high flows. River regulation alters the timing, duration and frequency of biofilm scouring. Environmental flows downstream of dams, including translucent and transparent releases are designed to restore some of the variability of flow and allow scouring to reset early-stage biofilm, which is more palatable for aquatic animals.</p> <p>IMEF biofilm and invertebrate studies were performed in the Hunter and Murrumbidgee Rivers, testing the hypothesis (IMEF Hypothesis 4) that restoring some freshes and high flows would induce scouring of silt and biofilms and improved habitat quality for some invertebrate scrapers and their predators.</p> <p>Sites located on the Murrumbidgee River downstream of Burrinjuck Dam, received periodic environmental releases, between April and October, as well as irrigation flows and uncontrolled spills. Riffle rock biofilms, aquatic invertebrate metrics and water quality were compared with reference sites on the unregulated Goobarragandra and Goodradigbee rivers. Control sites were chosen on the Tumut River, which is regulated by Blowering Dam but unlike the Murrumbidgee River did not receive variable environmental releases.</p> <hr/> <p>Note: If you would like to ask a question, make any suggestions, or tell us how you are using this dataset, please visit the <a href="#">NSW Water Hub which has an online forum</a> you can join.</p>

## Resource locator

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## Unique resource identifier

Code c46ac5fb-e278-4fbb-9983-dea43fc431c3

Presentation form Table digital

Edition 1.0

Dataset language English

## Metadata standard

Name ISO 19115

Edition 2016

Dataset URI <https://datasets.seed.nsw.gov.au/dataset/c46ac5fb-e278-4fbb-9983-dea43fc431c3>

<b>Purpose</b>	To monitor the first environmental flow releases as part of the development of the NSW Water Sharing Plan development and monitoring
<b>Status</b>	Historical archive
<b>Spatial representation type</b>	None
<b>Spatial reference system</b>	
Code identifying the spatial reference system	4283
<b>Topic category</b>	

<b>Keyword set</b>	
keyword value	WATER-Quality FAUNA-Invertebrates
<b>Originating controlled vocabulary</b>	
Title	ANZLIC Search Words
Reference date	2008-05-16
<b>Geographic location</b>	
West bounding longitude	143.2
East bounding longitude	149.58
North bounding latitude	-36.55
South bounding latitude	-33.61
NSW Place Name	Murrumbidgee
<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	1998-01-07
End position	N/A
<b>Dataset reference date</b>	
<b>Resource maintenance</b>	
Maintenance and update frequency	As needed
<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
<b>Limitations on public access</b>	

## Responsible party

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

## Metadata point of contact

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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 date 2024-06-19T05:37:34.376165

Metadata language