Title New South Wales River Styles spatial dataset

#### **Abstract**

The NSW River Styles is a spatial dataset that contains over 220,000 km of river length in NSW and records information (attributes) for each discrete section (reach) of river using the River Styles Framework.

A River Style is a discrete river type, defined according to its valley setting, planform, bed material and assemblage of geomorphic units. The River Styles Framework is an approach to geomorphologically informed river management that was developed at Macquarie University (<a href="https://riverstyles.com/river-styles-framework">https://riverstyles.com/river-styles-framework</a>). The four stages in the River Styles Framework, cover the description of river morphology, interpretation of behaviour, assessment of condition, prediction of river recovery potential and prioritisation of river management

Assessments use a range of data including recent and historical imagery, elevation data, along with field assessments to validate the desktop assessments and gather better data on bed material, and geomorphic features and condition. Individual reaches are then considered in context of upstream and downstream reaches and then broader sub-catchment and catchment scale processes, threats and connections, such as erosion and sediment transport, landuse and riparian vegetation.

#### Resource locator

Show on SEED Web Map Name: Show on SEED Web Map

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

Description:

Display dataset on SEED's map

Function: download

Data Quality Statement Name: Data Quality Statement

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

Description:

Data quality statement for New South Wales River Styles spatial dataset

Function: download

New South Wales River Styles spatial dataset Name: New South Wales River Styles spatial dataset companion document

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

dataset companion document Description:

The New South Wales River Styles spatial dataset companion document provides a plain English explanation of the River Style Framework and assessment process used in the spatial dataset. It also explains the process used to improve the quality and usability of the dataset since the previous version published in 2018.

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Metadata Statement -River Styles spatial

dataset.pdf

Name: Metadata Statement - River Styles spatial dataset.pdf

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

Description:

Metadata Statement of NSW River Styles spatial dataset.pdf

Function: download

Function: download

NSW River\_Styles (FeatureServer) (nsw.gov.au) Name: NSW River\_Styles (FeatureServer) (nsw.gov.au)

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

<u>sw.gov.au)</u> Description:

ESRI Rest Feature Service of NSW River Styles

Function: download

NSW Name: NSW River\_Styles (MapServer) (nsw.gov.au)

River\_Styles Protocol: WWW:DOWNLOAD-1.0-http--download

(MapServer) (nsw.gov.au) Description:

ESRI Rest Map Services of NSW River Styles

Function: download

NSW River\_Styles (WFS) Name: NSW River\_Styles (WFS) (nsw.gov.au)

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

(nsw.gov.au) Description:

WFS of NSW River Styles

Function: download

NSW River\_Styles (WMS)

(nsw.gov.au)

Name: NSW River\_Styles (WMS) (nsw.gov.au)

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

Description:

WMS of NSW River Styles

Function: download

Unique resource identifier

Code 1fa6cf3f-6a24-46b7-90f5-a0d3c59f5a4b

Presentation form

Map digital

Edition 1.0

Dataset language

English

Metadata standard

Name ISO 19115

Edition 2016

Dataset URI <a href="https://datasets.seed.nsw.gov.au/dataset/1fa6cf3f-6a24-46b7-90f5-a0d3c59f5a4b">https://datasets.seed.nsw.gov.au/dataset/1fa6cf3f-6a24-46b7-90f5-a0d3c59f5a4b</a>

Purpose

The River Styles Framework can help us identify rare and threatened river forms across NSW. It can also help to describe individual rivers, assess their current geomorphic condition and forecast whether a river is degrading or recovering. This information will help inform our management of our rivers by: • knowing what kind of river you're working with • recognising and treating underlying physical environmental issues, rather than just the symptoms • developing and using monitoring, evaluation and reporting protocols that measure physical condition for the river type in a consistent way • integrating and aligning environmental decision-making across agencies and disciplines by using a consistent and verified framework • understanding the relationships between the physical structure of river systems, habitats and ecological populations • prioritising management actions to be more strategic and efficient with use of water resources.

Status Completed

Spatial representation

Type vector

Spatial reference system

Code

identifying the

spatial reference system	4283		
Spatial resolution	1 m		
Topic catego	ry		

Keyword set			
keyword value	WATER		
Originating controlled vocabulary			
Title	ANZLIC Search Words		
Reference date	2008-05-16		
Geographic location			
West bounding longitude	141		
East bounding longitude	154		
North bounding latitude	-37.7		
South bounding latitude	-28		
NSW Place Name	NSW		
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	2008-01-01		
End position	N/A		
Dataset reference date			
Resource maintenance			
Maintenance and update frequency	As needed		
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		
2008 to 2023. Assessmer	odatabase was generated from River Styles assessments from nts from 2016 onwards were conducted by DPE staff, while older cted by River Styles accredited consultants. Assessment dates and tained in the dataset.		

### Limitations on public access

# Responsible party

Contact position Data Broker

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

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>

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Responsible party role pointOfContact

Metadata date 2024-08-01T21:39:51.032190

## Metadata language