

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 (<https://riverstyles.com/river-styles-framework>). 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 companion document](#)

Name: New South Wales River Styles spatial dataset companion document

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

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.

Function: download

[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

[NSW River Styles \(FeatureServer\) \(nsw.gov.au\)](#)

Name: NSW River_Styles (FeatureServer) (nsw.gov.au)

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

Description:

ESRI Rest Feature Service of NSW River Styles

Function: download

[NSW River Styles](#)

Name: NSW River_Styles (MapServer) (nsw.gov.au)

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)
(nsw.gov.au)

Name: NSW River_Styles (WFS) (nsw.gov.au)

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

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 <https://datasets.seed.nsw.gov.au/dataset/1fa6cf3f-6a24-46b7-90f5-a0d3c59f5a4b>

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
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Spatial resolution	1 m
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Topic category

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
Lineage	Data contained in the geodatabase was generated from River Styles assessments from 2008 to 2023. Assessments from 2016 onwards were conducted by DPE staff, while older assessments were conducted by River Styles accredited consultants. Assessment dates and report information is contained 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	data.broker@environment.nsw.gov.au
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Metadata date 2024-08-01T21:39:51.032190

Metadata language