

Title	Lower Mehi River Fish Habitat Mapping
Alternative title(s)	Lower Mehi River Fish Habitat Mapping
Abstract	<p>2rog Consulting was engaged by DPIRD to undertake aquatic habitat mapping surveys for the NSW DCCEEW - BCS Group along 170 km of the Mehi River in the Gwydir Catchment as part of the broader Gwydir Reconnecting Watercourse Country Program which forms part of the Northern Basin Toolkit designed to implement environmental works and measures identified in the Northern Basin Review.</p> <p>Aquatic habitat mapping was undertaken to establish a baseline record of aquatic and riparian habitats in the study area. The project was required to determine priorities for protection and enhancement of aquatic and riparian habitats through a range of interventions including water management and aquatic habitat rehabilitation activities, landholder liaison and weed management.</p> <p>The main objectives of this mapping project included the following: • Document the riparian features of the identified reaches of the Lower Mehi River, focusing on native vegetation, weed infestation and existing management activities. • Document the stream bed morphology including the location, length and depth of pools that may act as drought refugia; and instream habitat features including large woody habitat (snag) loading. • Calculate commence-to-inundate flow thresholds of select habitat features where feasible including benches, wetland entry/exit points, large woody habitat and root balls/bank overhangs. • Identify and map threats and processes that may influence the extent and condition of aquatic and riparian habitat features. • Make recommendations to protect and improve river health, threatened species habitat enhancement, weed control, and other habitat features.</p> <p>The spatial dataset is provided in the form of a geodatabase containing point, line and polygon features of the mapped habitats. Some of the features contain embedded geotagged photos. Detailed explanation of the fields used in the attribute tables for the various feature classes are available in "Appendix G: Metadata for geodatabases" of the accompanying "Fish Habitat Mapping - Lower Mehi River" report.</p>
Resource locator	<p>Data Quality Statement Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Lower Mehi River Fish Habitat Mapping Function: download</p> <p>Lower Mehi River Fish Habitat Mapping report Name: Lower Mehi River Fish Habitat Mapping report Protocol: WWW:DOWNLOAD-1.0-http--download Description: Gwydir Reconnecting Watercourse Country Program 2024 Lower Mehi River fish habitat mapping Function: download</p> <p>Lower Mehi River Fish Habitat Mapping 2024 geodatabase Name: Lower Mehi River Fish Habitat Mapping 2024 geodatabase Protocol: WWW:DOWNLOAD-1.0-http--download Description: Gwydir Reconnecting Watercourse Country Program 2024 Lower Mehi River fish habitat mapping geodatabase containing point, line and polygon features with embedded photos. Function: download</p>
Unique resource identifier	Code 075dd8a7-fc4d-4c4a-b87f-cfe4ac212c97

Presentation form	Map digital
Edition	1
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/075dd8a7-fc4d-4c4a-b87f-cfe4ac212c97
Purpose	The mapping of key aquatic habitat features is intended to help determine priorities for protection and enhancement of aquatic and riparian habitats through a range of interventions including water management and aquatic habitat rehabilitation activities, landholder liaison and weed management.
Status	Completed
Spatial representation	
Type	vector
Spatial reference system	
Code identifying the spatial reference system	4283
Spatial resolution	100 m
Topic category	

Keyword set	
keyword value	WATER-Wetlands ECOLOGY-Habitat FISHERIES-Freshwater
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	148.671799
East bounding longitude	149.675674
North bounding latitude	-29.609208
South bounding latitude	-29.462244
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	2024-04-22
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 NSW Department of Primary Industries and Regional Development (DPIRD) Fisheries and Forestry was engaged by the NSW Department of Climate Change, Energy, the Environment and Water (DCCEEW), Biodiversity, Conservation and Science (BCS) Group to conduct a field survey to undertake fish habitat mapping along the Lower Mehi River (the project area) in the Gwydir Catchment, as part of the Gwydir Reconnecting Watercourse Country Program. The objective of the work was to address gaps in ecological knowledge and improve understanding of the environmental assets that exist in the lower Mehi River. This will aid in the management of flows down the system to restore fish communities in this river. The Lower Mehi River fish habitat mapping project has identified opportunities for refinement of flow delivery, as outlined in the Gwydir Long Term Water Plan (LTWP), and identified key habitat features including LWH, root balls and bank overhangs, wetlands and benches. Zrog Consulting was engaged by DPIRD to undertake the aquatic habitat mapping surveys.

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
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
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Metadata date 2025-04-01T23:58:32.346130

Metadata language