What do we know about how variability in water availability and access affects communities in the northern Murray-Darling Basin?

Research Team





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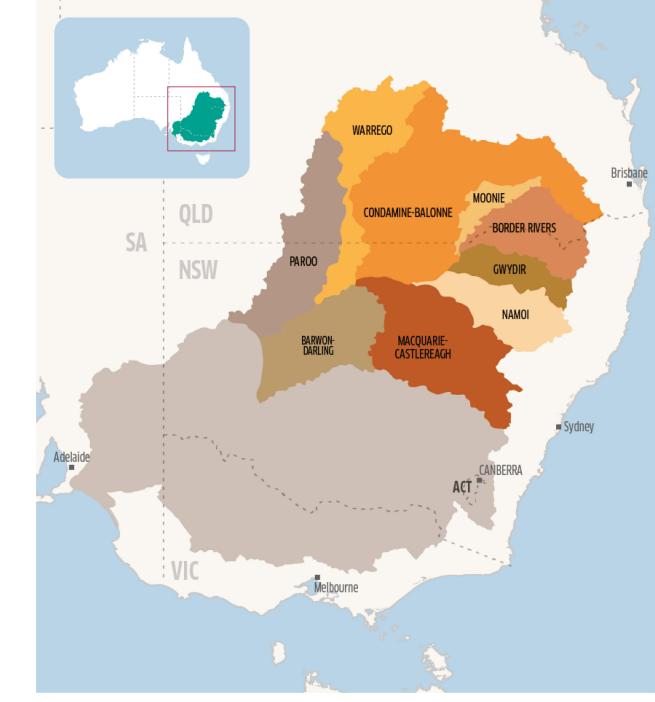
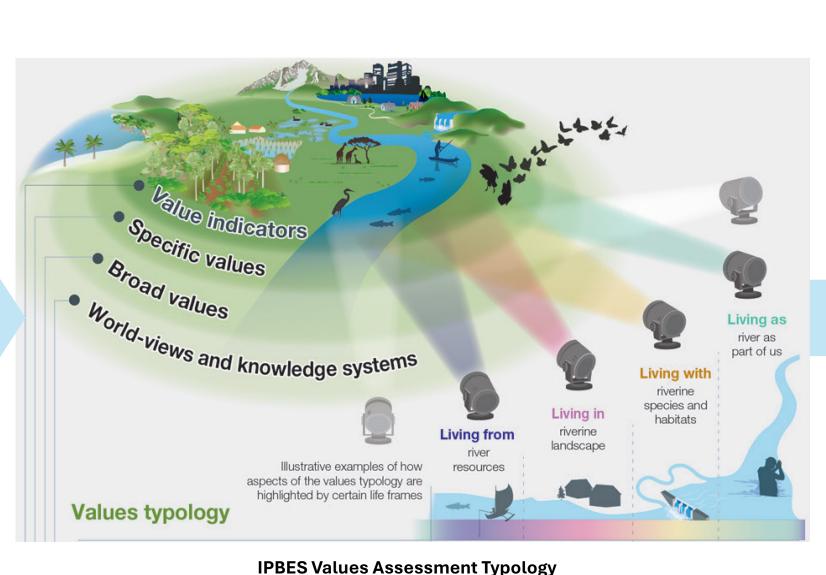


Image Source: MDBA (2024) (Northern Basin catchments highlighted in colour)

Literature Review Methods

Table 1. Scientific databases searched, and number of papers found.				
Databases searched	Number of papers			
Web of Science	1,041			
Scopus	924			
ProQuest	324			
APA PsychInfo (EBSCOhost)	22			
Grey literature	94			
Sub total	2,405			
Removed:				
Duplicates	461			
Excluded (did not meet criteria)	1,850			
TOTAL	94			

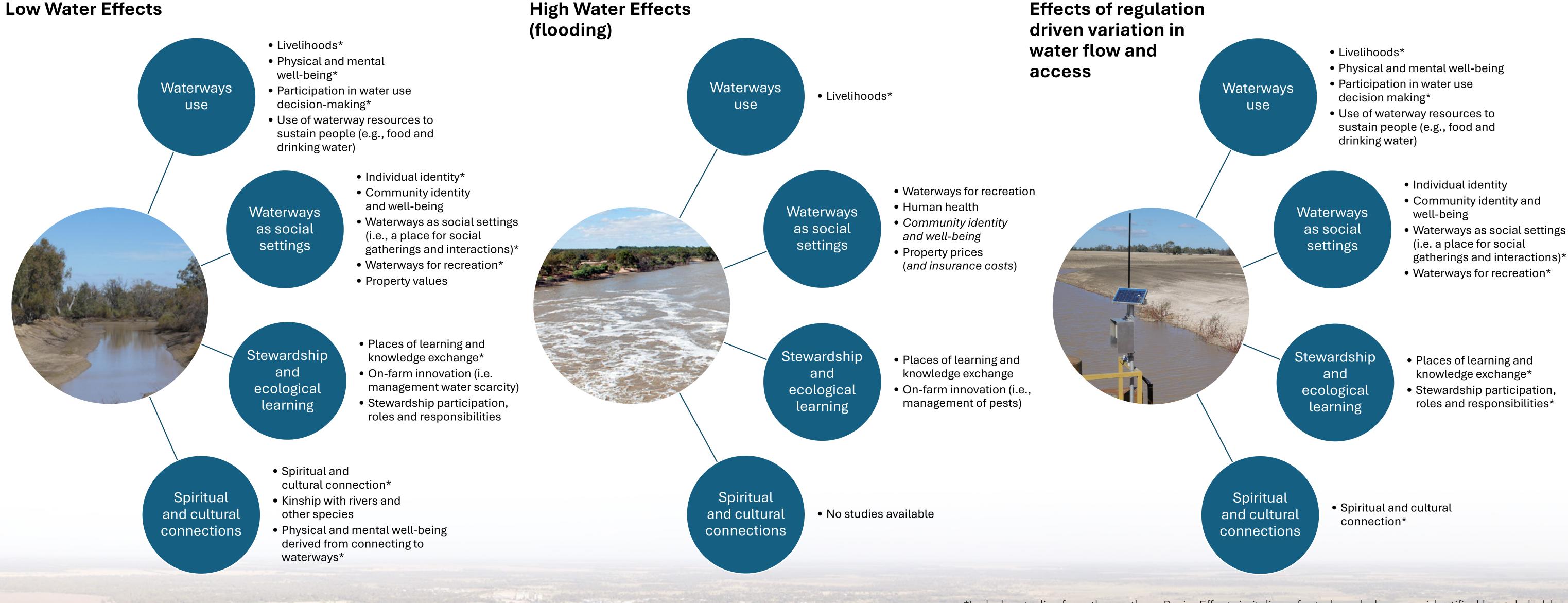
	Table 2. Inclusion and exclusion criteria		
	Inclusion Criteria	Exclusion Criteria	
	Research conducted in the Murray-Darling Basin	Research conducted outside of the Murray- Darling Basin	
	Study is presented as a peer-reviewed journal article	The article is presented as a systematic review, discussion paper or book chapter	
	The research presents social effects relating to water flow variability	The research focuses on biophysical aspects of water flow variability, rather than social aspects	
	The research involves collection of primary data or uses existing data sets to describe social phenomena	The research uses models to make economic predications and/or forecasts	



IPBES Values Assessment Typology
Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Service (2022)

Table 3. Categories a	Table 3. Categories adapted from Values Assessment Typology (IPBES)		
Values Assessments Typology Category	Definition	Term Adopted in this Study	
Living from	Refers to the importance of 'using' natural resources, including water, to sustain people's livelihoods and needs, including food.	Waterway use	
Living in	Refers to the values people attribute to using nature as social settings. This includes providing a place to live and carry out cultural practices and recreational activities	Waterways as social settings	
Living with	Refers to valuing ecological processes that sustain all of life, including humanity. This includes learning how to live with and take care of environmental resources systems (i.e., stewardship).	Stewardship and ecological learning	
Living as	Refers to the relationships people have with the environment when they see nature as part of themselves - physically, mentally and spiritually - and not separate.	Spiritual and cultural connections	

Findings



*Includes studies from the northern Basin. Effects in italics refer to knowledge gaps identified by stakeholders.

