

# One Basin CRC PhD Opportunities



## Project ID

1B25-C

## Date advertised

4 July 2025

## University

To be confirmed (from ANU, Flinders U, CSU, U Adelaide, U Melbourne, U Southern Queensland, U Sydney)

## Primary supervisor(s)

To be confirmed

## Co-supervisors

To be confirmed

## Industry Partner(s)

Southern Queensland Landscapes

**The One Basin Cooperative Research Centre (One Basin CRC) offers attractive PhD packages in a broad range of disciplinary fields and across multiple universities in Australia.**

## Key features

- 3.5-year scholarship, Flexible funding up to AU\$70,000 funding package (allocated between stipend and operating costs)
- Industry embedded through 6-month internship (or part-time equivalent) and opportunities for travel, networking, and engagement with local communities and partner organisations.
- Candidates will spend the majority of their time at One Basin CRC's Loxton, Mildura, Griffith, or Goondiwindi hubs.

## Project working title

**Northern Basin Native fish research**

## Description of the topic of PhD project

We are seeking to undertake native fish research to quantify the impacts on native fish and return on investment from projects in the Northern Basin in order to inform future investment and prioritization. Current work includes:

- Riparian fencing (Fencing Northern Basin Riverbanks project). Managing livestock access to streams to reduce erosion and improve water quality (reduce turbidity, improve riparian condition including through using livestock as a management tool, improve stream bank stability, protect and improve habitat corridors etc.)
- Installing fish screens on irrigation pumps (Fish Friendly Water Extraction project).

Potential research questions to be developed with the input of a prospective candidate include:

- What impacts are current infrastructure projects having on river ecology, hydrology, and what is the impact on native fish?
- What types / combinations of projects are predicted to have the highest return on investment under various climate change scenarios?"

## Requisite qualifications and experience

Individuals with Masters or honours degrees in the following disciplines, or with equivalent research or work experience, are invited to make an expression of interest: **Ecology, Fisheries, Native Fish, Environmental science, Environmental engineering, Hydrology.**

Applicants will need to meet the eligibility requirements of the host university's PhD program

**Mike Stewardson**  
One Basin CRC CEO



**Apply via:**  
[onebasin.com.au](https://onebasin.com.au)

**"Our PhD program will give you the professional skills and networks to accelerate your career in research or practice across the water, agriculture or environmental sectors."**

