

Position Title	Research Fellow, Modelling Gully Erosion to inform Catchment-Scale Management
Group/Portfolio	Griffith Sciences Australian Rivers Institute and School of Environment and Science
Classification	Research Fellow Grade 2
Position Number	00063182
Reports To	Chief Investigator/Discipline Head
Employment Type	Fixed Term

1.0 Position Purpose

The Research Fellow (80% Research component) of this position involves contributing to the ARC Industry Fellowship Project “A new gully model for a healthier Great Barrier Reef”. This project will generate new knowledge in applied mathematics, using innovative model emulation techniques to bring process insights to the catchment scale. The project will apply model emulation to provide a catchment scale model for gully erosion that provides insight into the benefits of different gully remediation practices. This project is a collaboration with Queensland Water Modelling Network and the Department of Environment, Science and Innovation.

This position also include a (20% Teaching component) which involves a teaching allocation into the applied mathematics major in the School of Environment and Science.

2.0 Eligibility Requirements

- The occupant of this position will hold a PhD or equivalent qualifications/work experience in a relevant field

3.0 Key Responsibilities

- Conduct research that contributes to the research objectives of the ARC Industry Fellowship project.
- Develop and maintain collaborative networks with industry partners, and key personnel from allied organisations.
- Apply for funding through appropriate schemes in line with the objectives of the project.
- Maintain a good publication record in high impact, international, esteemed peer-reviewed journals and to seek competitive funding.
- Contribute to the Institute’s research projects as appropriate to research

skills.

- Contribute to teaching activities as required.
- Manage the preparation and formulation of publications, presentations and research reports arising from the research.
- Assist in mentoring and supervision of higher degree research candidates.
- Supervise Research Assistants and technical staff.
- Ensure compliance with relevant legislation and University policies and procedures, including research ethics, equity and health & safety, laboratory standards and exhibit good practice in relation to same.
- Be a leading example of the principles and values embodied in the University's Code of Conduct, and behave, act and communicate at all times to reflect fairness, ethics and professionalism.

4.0 Key Capabilities

- Griffith University identifies the attributes of resilience, flexibility, creativity, digital literacy and entrepreneurship as critical to our graduates' success, in the rapidly changing future world of work. We have established a Griffith University Capability Development Framework to provide a common language of some of the non-technical organisation skills that will support our staff to thrive now and into the future. The Capability Development Framework will assist you to understand the current skill level of this position in the non-technical but critical skill domains that are increasingly important in a changing workplace context.

To read about some of the non-technical organisation skills for this position, please see the Leads Self section of our [Capability Development Framework](#).