



**MONASH**  
University



**LA TROBE**  
UNIVERSITY

## PhD Scholarship

### Lost Mines: The Troubled Legacies of Former Mining Landscapes



#### The opportunity:

The Faculty of Engineering at Monash University invites applications for a fully-funded 3 year PhD scholarship. The successful candidate will participate in a newly-funded ARC Discovery Project. The project will commence in 2023, and aims to understand and model the impact of historic gold mining on mercury contamination in rivers. The PhD is largely within the field of hydrology, the project will involve collaboration with archaeologists, environmental historians and biogeochemists from LaTrobe University and the Australian National University.

The candidate will undertake strategic sampling of Victorian rivers and analysis of samples for mercury content. The candidate will finally produce a model of the impact of abandoned gold mines on mercury levels in creeks and streams.

The successful candidate will be supervised by Dr Anna Lintern (Faculty of Engineering, Monash University), Professor Susan Lawrence (Department of Archaeology and History, LaTrobe University) and Dr Larissa Schneider (DECRA Fellow, School of Culture, History and Language, the ANU). The candidate will work closely with the rest of the project team including: Dr Peter Davies, Dr Lilian Pearce and other Masters and PhD students.

#### Necessary skills:

Applicants are expected to have a MEng, BEng in Civil Engineering, Environmental Engineering or Water Resources Engineering (or equivalent) with 1<sup>st</sup> Class Honours. Students are expected to have a willingness to learn new laboratory techniques, engage in field work and experience with programming tools (or a willingness to learn). Candidates who have demonstrated experience in inter-disciplinary or multi-disciplinary work and/or experience in archaeology or history will be looked upon extremely favorably. Students will be expected to travel to regional Victoria for field work, and to Canberra for laboratory analysis.

#### Remuneration:

Students will receive an allowance of \$28,106 p.a. (2022 rate tax free). Top-up scholarships may be available to excellent candidates. Students have an expected start date of early 2023.

#### To apply and for more information:

Please contact Dr Anna Lintern ([anna.lintern@monash.edu](mailto:anna.lintern@monash.edu)), with a CV, academic transcript and statement of interest in the project.