# Position Description

## Research Projects – CSOF3

The following information is for applicants

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| Advertised Job Title**:** | Junior Geophysicist / Lab & Field Technician |
| Job Reference: | 60476 |
| Relocation Assistance**:** | Will be provided to the successful candidate if required. |
| Applications Are Open To: | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Percentage of Client Focus - Internal: | 20% |
| Percentage of Client Focus - External: | 80% |
| Reports to the: | Team Leader - Potential Field Geophysics |
| Number of Direct Reports: | 0 |
| Name and Contact Details For Applicant Enquiries  | Jim Austin - Phone: 02 94908876 or James.austin@csiro.au*Please do not email your application to Jim Austin. Applications received via this method will not be considered by the selection panel.* |
| Contact Details For Applying | Call 1300 984 220 or email careers.online@csiro.au.  |
| How to Apply: | Please apply online at [jobs.csiro.au](https://jobs.csiro.au/) and enter the requisition number**.** Internal applicants please apply via ‘Jobs Central’ through the ‘People Hub’ icon  |

## Role Overview:

Research Projects staff in CSIRO collaborates in scientific and technological activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental, observational or technology development work, and in carrying out the more practical aspects of the work.

The Junior Geophysicist / Lab & Field Technician will be responsible for geological sampling, sample preparation, and petrophysical analysis of rock samples as part of an integrated regional-scale geochemical, mineralogical and geophysical project. The Technician will also be responsible for maintenance of field and lab equipment.

## Duties and Key Result Areas:

* Planning and execution of mine site and field sampling programs for petrophysics and also field geophysical surveying undertaken by the potential fields group.
* Specimen preparation and measurement of samples for petrophysics projects, mainly related to IOCG and Magmatic Ni-PGE systems.
* Assist in the development of integrated petrophysical approaches (i.e., where we measure multiple properties including magnetic susceptibility, remanence, density, structural fabrics, radiometrics and electrical conductivity).
* Acquisition and maintenance of sample field sampling equipment, sample preparation tools, laboratory instruments, and field surveying instruments.
* Compile results and assist on reporting on results of experiments.
* Respond courteously and efficiently to client requests, maintaining clear communication regarding mutual expectations and monitoring client satisfaction.
* Undertake and complete tasks under technical direction, working with discretion to decide on the timing of operations within the work team’s plan and planning ahead to meet experiment and/or project demands.
* Under technical direction undertake experiments, laboratory analyses or technology development activities (some non-routine) using a range of techniques, often working on a number of parallel and competing tasks.
* Oversee the activities of less experienced staff and provide guidance on experimental/ technological techniques and protocols.
* Design new processes or apparatus by adapting existing techniques and components to meet special circumstances or undertake modifications to methods requiring some innovation.
* Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work collaboratively as part of a multi-disciplinary, often regionally dispersed research team, and business unit to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Code of Conduct, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals.
* Other duties as directed.

## Competencies:

1. **Teamwork and Collaboration: Proactively seeks and considers the ideas and opinions of others from within and outside the team to help form decisions, plans or actions.**
2. **Influence and Communication: Puts forward ideas by presenting factual information supported by data, definitions, examples, illustrations or other aids, which will assist in conveying meaning.**
3. **Resource Management/Leadership: Provides instruction and assists other staff to complete allocated tasks and activities.**
4. **Judgement and Problem Solving:** Identifies and considers the implications of a range of available alternatives in order to select the most appropriate response to problems of a familiar or recurring nature.
5. **Independence: Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).**
6. **Adaptability:** Willingness to change ideas or perceptions based on new information, contrary evidence or other people's points of view. Prepared to try out different approaches.

## Selection Criteria:

*Under CSIRO policy only those who meet all selection criteria can be appointed.*

* Relevant bachelor’s degree or relevant work experience in potential field’s geophysics.
* Experience in the use of geophysical surveying and/or laboratory instruments.
* The ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, and carry out tasks under general direction from Scientific Researchers.
* The ability and willingness to work in harsh and adverse conditions whilst maintaining health and safety requirements.

## Desirable Criteria:

* Experience in field sampling and/or mapping in remote/ dangerous areas,
* Experience in sample preparation of geological specimen,
* Experience in measurement and analysis of petrophysical data,
* Experience or understanding of electronics would be advantageous,
* First aid training and/or 4WD drive training.

## Special Requirements:

* Appointee must be of good overall health, physically fit and able to work in remote and sometime harsh environments.
* The position requires a full driver’s licence and ability to drive manual 4WD in remote areas and mine sites.

## About CSIRO:

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Find out more about CSIRO [Mineral Resources](https://www.csiro.au/en/Research/MRF)