



Seismologist - Specified Calling L2 (MIS22160)

Group:	Resource and Environmental Regulation	Location:	Mineral House - East Perth
Division/Directorate:	Regional Geoscience	Supervises:	0
Branch:	State Geoscience	Reports to:	Manager Earth Imaging and Observation
Section:	Earth Imaging and Observation		

Operational Context

Within the Resource and Environmental Regulation Group the Geological Survey and Resource Strategy Division (GSRSD) is responsible for the facilitation of investment through the provision of geoscience data and products and for setting strategic resource policy. The division manages the Abandoned Mines Team and the Exploration Incentive Scheme including the co-funded drilling program. The division also provides information and products to support the approval of mining tenements and petroleum titles and other related legislative compliance processes.

Role Overview

This position is responsible for the management, archiving and quality control of seismological data generated by WA-ARRAY, a rolling 40 km-spaced grid of earthquake monitoring stations across Western Australia. It will work with senior seismologists in preparing data for input into various seismological processing routines as appropriate including local seismicity and tectonic studies and will participate in extensive and frequent fieldwork campaigns.

Role Responsibilities

(The following outlines the key responsibilities and duties related to this position)

- Manages, performs quality control and maintains passive seismic monitoring data, specifically that associated with WA-ARRAY.
- Participates in field deployment, servicing and removal of seismic networks in remote areas of Western Australia.
- Provides in-field data quality control during field seismological studies across Western Australia.
- Assists seismologists in data preparation for seismological data processing and archiving.
- Initiates and runs seismological data processing projects as appropriate.
- Undertake regular travel, work in remote areas and occasionally work outside normal business hours.

Corporate Responsibilities

(The following outlines departmental responsibilities)

- Contributes to the achievement of corporate objectives by ensuring that stakeholders are dealt with in a professional and timely manner.
- Works within corporate policies and procedures, acts with integrity and demonstrates ethical behaviours aligned with the Department Code of Conduct.
- Performs other duties as directed.
- Takes reasonable care to protect your own safety and health at work, and that of others by co-operating with the safety and health policies and procedures of the department and complying with all applicable work health and safety laws.

Role specific requirements

(The following outlines what experience and qualifications are required to fulfil this role)

- Bachelor of Science Degree (Geoscience) or an approved equivalent Degree.
- Experience in the acquisition, quality control and data management of seismological data.
- Experience in earthquake location and magnitude techniques

Capabilities Required

(The following outlines the behaviours required to be demonstrated to perform this role)

- Commits to meeting objectives, identifies and implements appropriate risk strategies and follows up to finalise work.
 - Consults and shares information with team and seeks input from others, ensures others are kept informed.
 - Adheres to the Code of Conduct, acts with integrity and behaves in an honest, professional and ethical way.
 - Takes initiative and responsibility for completion of work within timeframes.
 - Understands strategic objectives, trends and factors that may influence work plans and goals.
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This position reports to:

Manager Earth Imaging and Observation

Position No: MIS19258 Classification: SCL4

Positions reporting to this Role:

This position has no direct reports

Position Conditions:

(The following outlines pre-employment assessments and ongoing conditions and requirements)

- National Police Check
- Medical Check
- C Class Drivers Licence - Manual

Approved Date

12-JUL-2022