

GIS and Environmental Science Analyst

About the role

As a GIS and Environmental Science analyst, you will provide additional capacity and backup for all GIS related services in the organisation's analytics division currently provided by the Hydrologist and GIS Analyst. This new role requires a GIS analyst first and foremost, but depending on your qualifications, experience and enthusiasm for the environmental sciences, you may find it allows a fostering and extroverting of your subject matter expertise in this area.

Duties

- Deliver high quality ArcGIS mapping and cartographic products to assist management in the general understanding of geographic influences on the organisation's products and services
- Assess the severity of active weather events to assist the claims and underwriting departments in setting appropriate reserves and embargos
- Establish, maintain and utilise a library of spatial data and routines/workflows (in ArcGIS) for natural hazard pricing and analytical purposes
- Keep abreast of contemporary research and development in aspects of climate and environmental sciences relevant to the organisation's members
- Facilitate accurate price setting for natural peril risks at the address level for properties in Australia using spatial information
- Utilise GIS techniques to provide analysis and advice on the factors that influence the likelihood of whether natural perils will occur, the locations at risk and potential severity
- Extract and manipulate data, primarily using ArcGIS and Excel (SQL desirable), ensuring that the data is accurate and provided in a timely manner
- Contribute to the ongoing development of GIS processes and provide innovative solutions to align GIS with business outcomes
- Keep abreast of new software and data developments and enhance skills and abilities relevant to the position through ongoing professional development
- Be a part of a professional, industry leading, analytics team with future opportunities across multiple disciplines

Role description

The role description gives an overview of what the job involves and how it fits within an organisation. It will often highlight the skills or experience needed to do the job.

You should refer back to the role description when considering responses to the selection criteria to ensure that you are using appropriate keywords.

General duties and goals of the position

The details in the role overview and duties provide the context you need to customise your cover letter, resume, and selection criteria responses.

Make a note of any keywords that could be used in your selection criteria responses, particularly keywords associated with specific techniques or equipment.

You should get a sense of how well you fit the role with your existing education and work experience and judge whether you're a suitable candidate for the role.

Technical Capabilities

1. Relevant tertiary qualification in technology or environmental discipline with a focus on GIS
2. High level of experience and competency in the development of analytic solutions and spatial analysis using geographical information systems
3. Broad range of other descriptive and diagnostic technologies (competent SQL data ETL skills are desirable)
4. Demonstrated understanding of climate, weather and GIS
5. Excellent oral, written and graphical communication skills including report writing, presentations and mapping
6. Demonstrated interpretation, problem solving and decision-making skills
7. Willingness to adapt and work across multiple analytic disciplines and pursue continuous improvement
8. Ability to work well autonomously and within a team environment
9. A knack for being able to explain complex and/or detailed issues in plain, unambiguous, easily understood terms

How to Apply

If this sounds like you, please APPLY NOW.

All applicants will be contacted to advise of the outcome of their application. Please keep an eye out for email updates from us. Applicants may be required to complete video interviews, psychometric testing, and/or a criminal check.

Please note, we do not accept third party or emailed applications.

Selection criteria

The selection criteria are used to assess your suitability for a role. Examples of how you meet these criteria may be required as part of your written application or during an interview. Some organisations require candidates to meet all selection criteria whereas others are more flexible in their assessment of candidates.

Criteria that mention 'Proven', 'Demonstrated' or 'Applied' will require an strong example of a moment when you have performed those tasks.

In this case, the company has used the term "technical capabilities" instead of selection criteria.

Instructions

Ensure you follow the instructions outlined on each job advert. Don't assume that each job advert will have the same requirements.

These instructions have included further details about the application process.

No details have been provided regarding what to include in the application however this is often revealed when you begin the online application process. You should expect to include a cover letter, resume, and a response to the selection criteria that does not exceed two pages.