



Job Details

Reference: 9092

Position Title: Senior Hydrologist

Classification: Executive Level 1 (Senior Professional Officer Grade C)

Salary range: \$80,569 - \$87,000 per annum plus 15.4% superannuation

Location: Brisbane

Division: Water Division

Branch: Hydrology

Section: Operations and Modelling

Status: Ongoing

Applicants: Australian citizenship – see [Essential Applicant Information](#)

Applications close: Friday 13 March 2009

Advertisement

The Hydrology Section forms part of the Water Division, a new division of the Bureau of Meteorology established to fulfil the Bureau's new functions in water information under the Government's long term plan, *Water for the Future*, to integrate these with the Bureau's existing hydrological services functions.

This position will initiate and lead support of the development, implementation and maintenance of existing, improved and new flood forecasting systems and services, especially the support of computer - based hydrological modelling and applications and has a lead responsibility in real time forecasting and warning operations. The role will be primarily involved in managing and providing high level input to the provision of the flood forecasting and warning services but there will be some opportunities to contribute in other areas of the Water information Services program as appropriate including water resources forecasting and assessment and other projects that address surface water, groundwater, water quality and water use.

Duty Statement

Under broad policy control and direction,

1. Allocate tasks within the approved hydrological work program as prepared by the Regional Hydrology Manager in Queensland. Directly supervise and provide technical guidance to professional and technical staff as required.
2. Lead the development and review technical reports, and maintain documentation and procedures for flood forecasting. Act as a team leader during flood operations.
3. Develop new and improved techniques and standards related to hydrological services and systems in Queensland, particularly in support of forecast and warnings services.
4. Organise and control the preparation of post-flood studies and reports.
5. Participate in the design and operation of new and upgraded flood warning systems including appropriate/necessary liaison with other agencies.
6. Participate in other areas of the national Water Information Services program.
7. Provide advice and recommendations to the Regional Hydrology Manager on the scientific aspects of projects undertaken within the Section.
8. Ensure that plans, policies and practices in relation to the various elements of the Bureau's Social Justice Strategy are applied in the work area and that training and development programs are implemented for work area employees.

Duty representing highest function: 1, 2

Immediate supervisor: EXECUTIVE LEVEL 2 (SPOB - ENGINEERING) (NO. 9091)

Job Profile

The Hydrology Section forms part of the Water Division, a new division of the Bureau of Meteorology established to fulfil the Bureau's new functions in water information under the *National Plan for Water Security* and to integrate these with the Bureau's existing hydrological services functions.

The Bureau's new roles and responsibilities are provided under the Water Act (2007). The Bureau will continue to provide the nation's flood forecasting and warning services, building and extending these existing systems and services to support a wider range of river forecasting services to meet water management needs. The hydrological data required to support the river forecasting and flood warning services will be sourced through the existing flood warning networks and arrangements, as well as new arrangements to be put in place with the individual data custodians as required.

This position is a technical specialist responsible for the management and development of hydrological forecast techniques, models and systems that underpin the provision and improvement of the Bureau's floodwarning services in Queensland. In this role, the Senior Hydrologist allocates work to the hydrologists within the program and provides training to all Water Division staff in the operation of new and existing systems and techniques. During floods, the Senior Hydrologist will lead flood-forecasting teams in the Floodwarning Centre (FWC) and provide direct briefings to emergency services, local governments and the media.

The Senior Hydrologist will also be involved in the broad range of Water Division activities at times, including field investigations and maintenance, quality control of data and information systems, and liaison with external clients. The Senior Hydrologist will also contribute to other areas of the national Water Information Services program.

Selection Criteria

Selection will be made on the basis of assessment against specified selection criteria. It is in the interests of applicants to note the selection criteria and frame their applications accordingly.

*To assist you prepare your application, please read the information at [General Information for Applicants](#) and complete the *Bureau of Meteorology Application Cover Form*.*

1. Relevant professional qualifications (e.g. an Engineering, Natural Resources or similar degree) and a high level of competence in hydrology. Experience in the application of computer-based hydrologic models to flood studies and/or operational flood forecasting.
2. Expertise, or the potential to develop expertise, in the provision of flood forecasting and warning services, which includes the field and office aspects of the design, development and operation of flood warning systems.
3. Demonstrated ability to achieve organisational objectives, including the ability to plan, implement and review work programs and projects.
4. Suitable personal attributes, including high interpersonal skills, initiative and the ability to communicate clearly and concisely, both orally and in writing, especially for agency and media briefing, and training of staff in new techniques and applications.
5. Knowledge and understanding of Equal Employment Opportunity, Industrial Democracy and Occupational Health and Safety responsibilities, and a commitment to the application of these principles in the workplace.

Mandatory Qualifications:

A degree or diploma of an Australian educational institution, OR a comparable overseas qualification, which is appropriate to the duties; OR other comparable qualifications, which are appropriate to the duties.

Contact

If you would like to know more about the Bureau of Meteorology visit <http://www.bom.gov.au/>

Please read the selection documentation and if you have any queries specific to this position please contact Mr. Peter Baddiley on (07) 3239 8768.

Applications

Applications can be lodged personally at Bureau's Brisbane office: Level 21, 69 Ann Street
Brisbane

By mail to: Regional Director – Bureau of Meteorology, GPO Box 413, Brisbane Qld 4001

By email to: d.faber @bom.gov.au

All applicants should include a completed Bureau of Meteorology Application Cover Form, Résumé or CV and a Statement addressing the Selection Criteria.

All applicants are advised to read [General Information for Applicants](#) available on this web site before submitting their application.

Should you experience any difficulties with accessing the position information or have any questions relating to the application process, please contact Daryl Faber at the Admin Unit in Brisbane, by emailing d.faber @bom.gov.au or telephone (07) 3239 8723.