

Job Details

Reference:	6127
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:	Melbourne, Victorian Regional Officer
Division:	Water Division
Region:	Victoria
Section:	Hydrology
Applicants:	Australian citizenship – see Essential Applicant Information
Applications close:	Friday 13 March 2009

Advertisement

The Water Division is 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 water plan, *Water for the Future*, and to integrate these with the Bureau's previous hydrological services functions. This position will initiate and lead hydrological studies in support of the development, implementation and maintenance of existing, improved and new flood forecasting systems and services and has a lead responsibility in real time flood forecasting and warning operations. The role will be primarily involved in managing and providing high level input to the provision of flood forecasting and warning services but there will be some opportunities to contribute in other areas of the Water Information Services program as appropriate.

Duty Statement

Duties

Under broad policy control and direction,

1. Initiate and lead hydrological studies in support of the development, implementation and maintenance of existing, improved and new hydrological and water resources data collection, analysis and forecasting systems covering flood forecasting and warning and other forecasting services of the Water Division.
2. Lead, manage and provide high level input to the provision of the flood forecasting services in Victoria including the briefing of external agencies, the media and public. This will include leading of and participation in an operational flood forecasting team during flood events.

3. Allocate and carry out work within the approved hydrological program as prepared by the Regional Hydrology Manager in Victoria. Directly supervise and provide technical guidance to subordinate professional and technical staff as required.
4. Lead and manage activities and studies (internal and external) aimed at the:
 - (a) design and operation of new and upgraded flood warning systems including appropriate/necessary liaison with other agencies;
 - (b) management and support of hydrological data collection networks and communication systems;
 - (c) routine maintenance and support of on-line operational systems;
 - (d) modelling and analysis of hydrological and related data;
 - (e) calibration of hydrological models and techniques;
 - (f) management of guidance material, manuals and directives;
 - (g) preparation of reports, data assessments, services and other products for use by the Bureau and external clients; and
5. Manage and support software systems required to carry out the data management, visualisation, web-services and other elements in support of the flood warning, hydrological and water resources services in the Bureau's Water Division.
6. Provide advice and recommendations to the Regional Hydrology Manager in Victoria on technical aspects of projects undertaken within the Section.
7. As required, represent the Bureau on committees and groups dealing with various aspects of flood warning services and liaise with both internal and external stakeholders. Work collaboratively with other groups on joint tasks as required.
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. 6070)

Job Profile

The Water Division is 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 water plan, *Water for the Future*, and to integrate these with the Bureau's previous hydrological services functions. The Bureau's new roles and responsibilities are provided under the Water Act (2007) however 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 hydrologic forecast techniques, models and systems to underpin the provision and improvement of the Bureau's flood warning services in Victoria. In this role, the Senior Hydrologist allocates work to the PO2 and TO4 Officers in the office and provides training to all Water Division staff in Victoria in the operation of new and existing systems and techniques. During floods, the Senior Hydrologist will lead flood forecasting teams in the Flood Warning 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. Engineering, Natural Resources or similar degree) and a high level of competence in hydrology. A record of high level experience in the application of computer-based hydrologic models to flood studies and/or operational flood forecasting.
2. Sound expertise, or the potential to develop this level of 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 Elma Kazazic Ph: 03 9669 4945

Applications

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

Applications should include a completed Bureau of Meteorology Application Cover Form, Résumé or CV, full details of qualifications and experience, and a Statement addressing the Selection Criteria.

Applications, which will be treated in confidence, should be forwarded to the Recruitment Manager-Water Division, no later than COB Friday 13 March 2009.

Applications can be lodged online at <http://www.bom.gov.au/waterjobs>

By e-mail to: l.gerchow@bom.gov.au

Should you experience any difficulties with accessing the position information or have any questions relating to the application process, please contact the Lester Gerchow, by emailing l.gerchow@bom.gov.au or Telephone (03) 9669 4969.