



Job Details

Reference: 2088

Position Title: Hydrologist

Classification: APS Level 6 (Professional Officer Class 2)

Salary range: \$64,411 - \$72,196 per annum, plus 15.4% superannuation

Location: Perth

Region / Branch: Western Australia Regional Office

Section: Hydrology

Status: Ongoing

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

Applications close: Friday, 14 November 2008

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 assist with hydrological studies in support of the development, implementation and maintenance of existing, improved and new flood forecasting systems and services and have a lead responsibility in real time flood forecasting and warning operations. While the role will be primarily involved in providing input to the provision of flood forecasting and warning services, there will 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 general professional guidance,

1. Carry out hydrological investigations using established techniques and research when required for the development of flood forecasting systems, including post analysis of flood forecast events with the view to improvement of existing systems.
2. Undertake field inspections and investigations into flood warning systems throughout the State. Liaise with other stakeholders and represent the Bureau on matters relating to the flood warning service at conferences, agency and public meetings in a professional manner.
3. During flood forecasting and warning operations, act as team leader when directed and handle briefings of a more important nature.

4. Prepare project reports on flood warning service investigations and collaborations with stakeholders.
5. Undertake computer application and systems development in coordination with the Flood Warning Program Office.
6. Be aware of, and apply as necessary, the principles and practices of the various elements of the Bureau's Social Justice Strategy.

Duty representing highest function: 1

Immediate supervisor: EXECUTIVE LEVEL 1 (SPOC - ENGINEERING) (NO. 2085)

Job Profile

A high priority task of the Water Division in the Western Australia is the effective provision of appropriate flood forecasting and warning services throughout Western Australia in partnership with State and Local agencies.

The majority of the activities and performance in support of this task are directed at:

- Real-time flood forecasting and warning operations;
- Promoting greater awareness of and implementing national best practice guidelines on flood warning systems in Australia;
- Effective community liaison and alignment of services to meet identified needs;
- System development including flood forecasting techniques, interpretation and dissemination;
- Planning and maintaining flood warning systems including the establishment and operation of real-time data acquisition networks; and
- Greater utilisation of advances in communication and computer technology and information services.

The person must have strong analytical and investigative skills and the ability to deal with uncertainty in a complex and changing environment. The successful applicant must also be willing to take part in the state-wide field trip program for periods up to two weeks.

Several years' experience in a water/environmental science and/or hydrological engineering environment with a particular interest and aptitude in the analysis of problems and research would be advantageous. An understanding and knowledge of catchment hydrology and hydrometeorology with experience in the application of geographical information systems would be desirable.

In order to achieve successful operational outcomes and effective working relationships with all stakeholders, staff are encouraged and supported in the ongoing development of professional and technical skills and knowledge and their application in the workplace.

Applicants will need to demonstrate a high level of liaison, communication and interpersonal skills. Applicants will also need to demonstrate a proven capacity to adapt to and operate effectively in a rapidly changing environment.

Selection Criteria

Applicants must address the selection criteria. 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. Knowledge and Experience

- Foundation knowledge in operational and/or design hydrology and/or environmental science with sound knowledge and practical exposure to one or more of the following areas:
 - Catchment hydrology
 - Hydrometeorology
 - Hydrography
 - Communication and computer engineering principles
 - Information and database technology.
 - Project and risk management
 - Geographical Information Systems
 - Satellite Remote Sensing
 - Knowledge of APS purchasing requirements.
 - Experience in the development and implementation of small-scale projects.

2. Achievement Orientation

- Demonstrated a willingness to accept personal responsibility for defining and solving problems.
- Strong desire to evolve research outcomes into operational capabilities.
- Ability to report findings effectively to other team members in a cooperative environment.

3. Adaptability/Flexibility

- Ability to adapt to changes to services projects or programs brought about by varying priorities and resources.
- Ability to work simultaneously on a small number of tasks.
- Ability to broaden the fields of endeavour from that encompassed by formal training and engineering/environmental background.

4. Personal Drive and Communication Skills

- Demonstrated high level oral and written communication skills, including the ability to cooperate with people both internally and externally to the organisation to address complex issues.
- Ability to facilitate a high level of team work and cooperation to achieve good outcomes among stakeholders.
- Demonstrated self awareness and a commitment to self development.

5. An awareness of and commitment to Equity and Diversity, and Occupational Health and Safety (OH&S) principles and practices.

Eligibility Requirements: Mandatory Qualifications - A degree or diploma of an Australian institution, or a comparable overseas qualification, which is appropriate to the duties; or other comparable qualifications, which are appropriate to the duties.

Note: Please provide the name and contact information of two referees.

Contact

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

Please read the selection documentation and if you have any queries specific to this position please contact Graham Ezzy (08) 9263 2288.

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, no later than 5pm on Friday 14th November 2008.

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

By email to: waterjobs@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.

Should you experience any difficulties with accessing the position information or have any questions relating to the application process, please contact the Recruitment Unit, by emailing waterjobs@bom.gov.au or Telephone (03) 9669 4583 from 30.10.08 - 03.11.08 or (03) 9669 4379 from 4.11.08 -14.11.08.