



Job Details

Reference:	10582
Position Title:	Supervising (Chief) Hydrologist
Classification:	Executive Level 2 (Lower) (Senior Professional Officer Grade B)
Salary range:	\$92,925 - \$105,351 per annum, plus an additional 15.4% superannuation
Location:	Melbourne or Canberra Location may be negotiable, depending on the requirements of the individual and the Bureau.
Division:	Water
Branch:	Water Reporting Services
Section:	Water Resources Assessment
Status:	Ongoing
Applications Close	Thursday 2 July 2009

Advertisement

The role of the Bureau of Meteorology has recently been expanded to manage Australia's water information. Funded over 10 years, this \$450m program offers exciting career opportunities with the Bureau's new Water Division.

The Bureau currently has a leadership opportunity in our Water Analysis and Reporting Branch. This role will conceptualise and lead the implementation of frameworks, workflows and models involved in the preparation of annual water resource assessments and national water accounts, with an emphasis on urban water supply systems. Tasks to be undertaken by the team led by the appointee will include analysis and reporting on various aspects of surface water, groundwater, water quality and water use across Australia, with most tasks involving some degree of hydrologic modelling. Periodic involvement in flood forecasting activities is also possible. If required, appointees will be provided with access to specialized training opportunities in hydrologic theory and practice.

The opportunity exists in Melbourne (Head office) or Canberra. Location may be negotiable, depending on the requirements of the individual and the Bureau.

Duty Statement

Duties

Under broad policy control and direction,

1. Conceptualise, strategically design and implement frameworks, operational workflows and models in support of national water resources assessments and national water accounts, particularly in relation to urban water supply systems.
2. Provide high-level advice to the Manager Water Resources Assessment and/or Manager Water Accounts in relation to the water data analysis, modelling and reporting.
3. Work closely with the other members of the Water Reporting Services Branch to establish the schedule and resources allocations required to produce national water resources assessments and national water accounts. Ensure that the water balance logic flows through to the product development and that the data analysis and hydrological modelling activities are scientifically sound and appropriate.
4. With a particular emphasis on urban water supply systems, sponsor and lead activities and studies aimed at:
 - a. analysing water resources data and information (surface water, groundwater, water quality and water use);
 - b. modelling water resources systems;
 - c. undertaking water resources assessments;
 - d. compiling water accounts;
 - e. calibration of hydrological models and techniques;
 - f. management of guidance material, manuals and directives; and
 - g. preparation of reports, data assessments, services and other products for use by the Bureau and external clients;
5. As required, represent the Bureau on committees and groups dealing with water resources data analysis and reporting issues and liaise with both internal and external stakeholders. Work collaboratively with other groups on joint tasks as required.
6. Carry out other duties within the Bureau's Water Division, as required.
7. 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.

Duty representing highest function: 1 - 4

Immediate Supervisor: EXECUTIVE LEVEL 2 (SPOA) (NO. 10544)

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 national water plan and to integrate these with the Bureau's existing hydrological services functions.

The Bureau's roles and responsibilities are provided under the Water Act (2007). The 12-part Water Act includes a Part (7) on water information, setting out a range of new powers for the Director of Meteorology. The powers are related to the collection of water information collection and national standards for water information collection, storage and transmission. The legislation also sets out some obligations for the Bureau, including the requirements to perform periodic water resource assessment, manage a national water account, and to make water information freely available to the public.

The Bureau's expanded water information role entails the development and maintenance of an integrated, national water information system. This includes river flows, groundwater levels, reservoir storage, water quality, water use, water entitlements and water trades. Such data will need to be acquired from over 100 data custodians, with an on-going update schedule put in place to ensure data currency. The data, combined with a range of water-related modelling and forecasting activities will form the basis of the provision of the Water Division's wide range of services. These services will include the production of national annual water resources assessment and an annual national water account.

The appointee will conceptualise and lead the implementation of frameworks, workflows and models involved in the preparation of annual water resource assessments and national water accounts, with an emphasis on urban water supply systems. Tasks to be undertaken by the team led by the appointee will include analysis and reporting on various aspects of surface water, groundwater, water quality and water use across Australia, with most tasks involving some degree of hydrologic modelling. Periodic involvement in flood forecasting activities is also possible.

If required, appointees will be provided with access to specialized training opportunities in hydrologic theory and practice.

The opportunity exists in Melbourne (Head office) or Canberra.

Selection Criteria

1. High-level work experience and professional competence in hydrology and/or water resource assessment (e.g. a Science, Natural Resources, Engineering or similar degree or equivalent qualifications) particularly with respect to urban water supply systems, and demonstrated record of achievement in data analysis or hydrological modelling in at least one of the following areas: surface water, groundwater, water quality or water use.
2. Working knowledge of water resource assessment methodologies, including water balance methodologies.
3. Proven high-level project management skills together with operational leadership capabilities. Experience in leading teams and managing projects of significant scale is essential.
4. Significant experience in the use of scientific software including spreadsheets, statistical analysis packages, specialist modelling systems, image analysis techniques or Geographic Information Systems. Studies and/or qualifications in computing would be an advantage.
5. Suitable personal attributes, including interpersonal skills, strategic thinking, initiative and high-level communications skills (clear and concise) both orally and in writing. A commitment to leadership, mentoring and cultivating productive working relationships.
6. Knowledge and understanding of the principles of the Bureau's Social Justice Policies and a commitment to apply them in practice.

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 David Barratt 02 6232 3515.

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 Thursday 2 July 2009.

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

By email to: waterjobs@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 Recruitment Unit, by emailing waterjobs@bom.gov.au or Telephone the Recruitment Unit on (03) 9669 4583.

For further information on careers with the Water Division go to www.bom.gov.au/waterjobs