



Aquatic Science Environmental Officer

Environmental Officer positions contribute to the delivery of river and estuary science projects throughout Western Australia. This role statement reflects the skills and experience required in the Aquatic Science Branch of the Directorate, inclusion in the pool will allow selection for positions across the Science and Planning Directorate.

The Aquatic Science Branch applies scientific understanding to the process of developing effective management strategies and policies related to water resource use and its effect on natural water systems, including rivers, groundwater, estuaries and wetlands, in the knowledge that good management is based on good science.

Aquatic Science Branch staff work in one of a number of specific areas, including:

- River and Estuary Science, including water quality, data analysis and reporting using statistical software.
- Phytoplankton Taxonomy to identify phytoplankton using microscopy techniques as part of surveillance programs and understanding estuarine ecology.
- Undertake water quality monitoring in rivers and estuaries.
- Undertake aquatic ecology surveys of rivers, analyse biological and chemical data, develop understanding of flow effects on ecology and report on river health using indicators.
- Undertake estuary condition assessments combining water quality, biotic, and sediment indicators, data analysis and reporting.
- Implement numerical models for catchments and estuaries with a focus on nutrients and estuarine impacts. Develop and implement remedial technologies.
- Provide science support across the Department and across Government.

Depending on skills and experience, applicants will be considered at Specified Calling Level 1 or 2. You may apply at either level, or both based on the essential criteria provided below.

Specified Calling Level 1 positions are considered entry level, with up to 6 years postgraduate experience in a relevant field carrying out investigation research and analysis under immediate direction.

Specified Calling Level 2 positions usually require more than 6 years post graduate experience in a relevant area and work at an experienced professional level under general direction.

To be successful as a Environmental Officer, Specified Calling Level 1, you will need to demonstrate the following requirements.

To be successful as a Environmental Officer, Specified Calling Level 2, you will need to demonstrate the following requirements.

Essential

1. Bachelor of Science in a relevant discipline or an approved equivalent qualification.
2. Skills, knowledge or experience in one or more of the following science areas:
 - River, estuary or coastal marine ecology studies,
 - aquatic chemistry,
 - numerical modelling (including surface water, catchment and nutrient, surface and groundwater interactions, estuary hydrodynamics),

Essential

1. Bachelor of Science in a relevant discipline or an approved equivalent qualification.
2. Demonstrated experience in one or more of the following science areas:
 - River, estuary or coastal marine ecology studies,
 - aquatic chemistry,
 - numerical modelling (including surface water, catchment and nutrient, surface and groundwater interactions, estuary hydrodynamics),

- soil science,
 - river and estuary water quality sampling and data analysis,
 - ecotoxicology
 - hydrology or hydrodynamics as it relates to ecology, oceanography, phytoplankton ecology/taxonomy or similar fields
3. Good Computing skills and knowledge of Microsoft software including Excel and Word
 4. Ability to work constructively as a member of a team to achieve objectives and to work with a wide range of stakeholders including government agencies, community groups and private enterprise.
 5. Good Communication, interpersonal and negotiation skills with the ability to gather information, present them in a manner that is understood in both written and oral formats a deliver presentations.

Special Requirements

1. Current 'C' Class drivers licence.

- soil science,
 - river and estuary water quality sampling and data analysis,
 - ecotoxicology
 - hydrology or hydrodynamics as it relates to ecology, oceanography, phytoplankton ecology/taxonomy or similar fields
3. Advanced computing skills and knowledge of Microsoft software including excel and word
 4. Demonstrated ability to work constructively as a member of a team to achieve objectives and to work with a wide range of stakeholders including government agencies, community groups and private enterprise.
 5. Demonstrated experience in managing projects and coordinating work/project outcomes
 6. Well Developed communication, interpersonal and negotiation skills with the ability to gather information, present them in a clear and concise manner that is understood in both written and oral formats and deliver presentations.

Special Requirements

- Current 'C' Class drivers licence.