



Senior Civil/Environmental Engineer Position Description



alluvium
consulting

Alluvium Consulting is part of the Alluvium Group

The Alluvium Group was founded to bridge the gap between the science, policy and on-ground implementation. We offer informed, creative, practical and useable advice. In doing this we hope to improve the way society deals with the connected and difficult issues of the community and nature.



Who is Alluvium

The Alluvium Group brings together five organisations who share a common purpose: to make a difference to the world we live in.

Our businesses share a collective vision, strategy and a commitment to client service. Our business model is unique and driven by a genuine belief that a focus on technical depth and excellence better serves our clients.

We work together when it adds value, for instance jointly investing in the Group's R&D program to give back to the industry and to ensure that the latest science has a path to implementation.

As a group we are focussed on an enabling culture in order to remove barriers to creativity and encourage people to develop as leaders throughout our industry.

The strength of our group is embedded in the independent business decision making of our company boards and leadership, and the ability of each entity to focus on delivering exceptional work for our clients.

This role will be directly with Alluvium Consulting

For further information about the group please go to:

<https://www.alluvium.com>

More information on our businesses

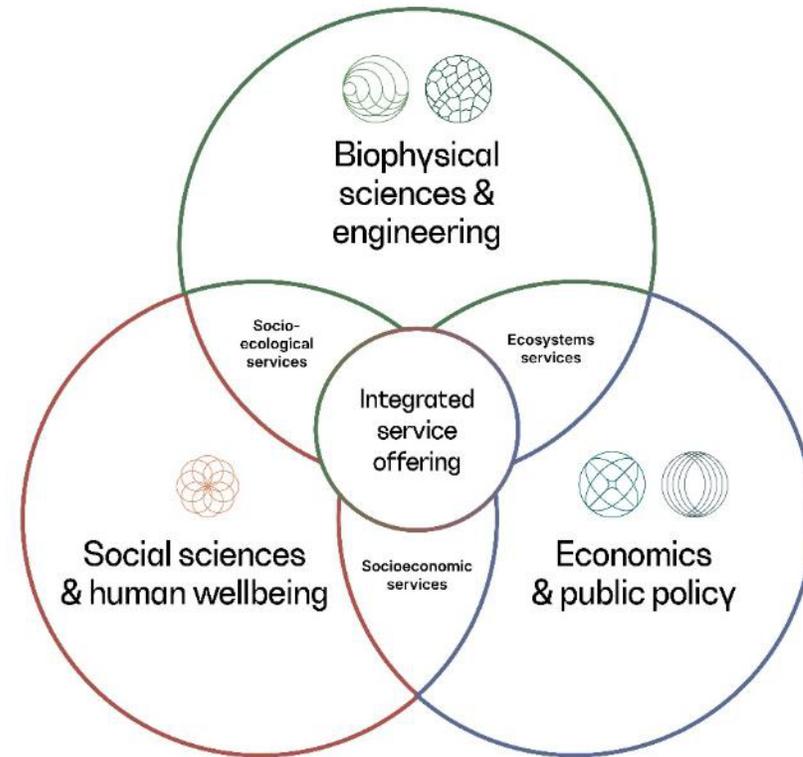
<https://www.alluviumconsulting.com.au>

<https://www.nceconomics.com/>

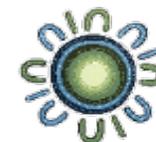
<https://www.mosaicinsights.com.au/>

<https://www.ecofutures.com.au/>

<https://www.amperes.com.au>



We are a certified BCorp, operate as a carbon neutral business and are actively committed to reconciliation through our RAP and other initiatives



We provide leadership in waterway and water management

For nearly two decades, we've played an active role in shaping the national understanding of river, creek, estuary, coastal and catchment systems, both through our project work and our contributions to research partnerships.

Our engineering expertise spans waterway and coastal erosion, floodplain management, urban stormwater, mine water management, gully erosion, fish passage and instream water regulation structures. Our extensive experience and well-regarded expertise has resulted in our team authoring many best practice guidelines, including the guidelines for monitoring diversions in Queensland.

We invest heavily in applied science, not just by using it, but by creating it. Since 2018, we've directed more than [10% of our profits into research](#), working with institutions like CSIRO, the University of Newcastle, and Western Sydney University. This involvement in research ensures we stay at the forefront of emerging science in flow regimes, geomorphology, aquatic ecology, and climate science.

We collaborate with research organisations, focusing on two-way knowledge exchange to explore research questions that best harness our collective capabilities. We have more than 15 partnerships with research organisations.

Learn about our technical leadership



[River diversion guidelines for Queensland Government](#)



[Technical guidelines for waterway management](#)



[The evolution of watercourse diversion design in central QLD coal mines](#)

We have delivered thousands of projects to rehabilitate urban and rural waterways and gullies. Please click on the links to see what our staff and clients have to say.



[Urban stream naturalisation video](#)



[River rehabilitation video](#)



[Mt Wickham Gully Remediation article](#)

Read our insight articles



[Re\(connecting\) urban rivers with nature](#)



[Restoring Australian rivers by understanding and mimicking nature](#)



[Bringing new practices in waterways design to life](#)

Our team is growing and you could be part of it

We are looking for someone to join our QLD waterways team and contribute to successful delivery of projects and a positive contribution to water, catchment and waterways management. We are looking for a **senior engineer** with experience in civil and/or environmental engineering design.

The role will work closely with Alluvium's other engineers, as well as geomorphologists, scientists, urban water strategists, economists, social scientists, catchment modellers and planners to plan, design and implement some of Australia's most exciting and challenging river restoration and water management projects across rural, urban and mining landscapes. Successful applicants will have an opportunity to help lead the delivery of projects across the public and private sectors across Queensland and Australia.

The Alluvium skillset covers strategic planning through to detailed design for a range of urban, rural and mining water management challenges. Some of our current and recent work in QLD includes:

- Gully remediation and bank stabilisation of waterways within the Great Barrier Reef catchment
- Prioritisation and design of waterway works to address impacts of recent disasters in North QLD
- Channel diversion design and delivery for the mining and resources sector
- Fish passage design

In this role, you will be part of the delivery team for a range of projects across Australia and overseas, carrying out:

- **Civil engineering design and technical review** using 12D design package
- **Hydraulic and hydrologic modelling** using software such as HEC-RAS
- **Spatial analysis and mapping** using QGIS
- **Report writing and presentation** to clients
- **Field work** including site assessments, construction supervision and monitoring
- **Project management** including financial and resource management and reporting

You'll also support our QLD team in client engagement and business development.





Senior Engineer

We are looking for a person with the following attributes and skills:

- A degree or higher in civil or environmental engineering or equivalent
- Minimum 7 years experience in engineering design in the waterway, river and catchment space
- An appreciation of how the management of our waterways and catchments can be improved and how you would like to contribute to this
- Experience in managing and delivering large design projects from planning through to detailed design and delivery
- Excellent ability and self management in interdisciplinary work, information assimilation, analysis and problem solving, thinking strategically and demonstrated success in applying skills and experience to real world problems
- Demonstrated ability in communicating information, including high quality writing skills in English
- A willingness to lead and contribute to a collaborative and values-driven work culture
- Proven ability to develop good rapport with clients, stakeholders, staff and partners, together with listening skills, empathy and awareness
- A long-term perspective and ability to build knowledge, skills, relationships and profile

These additional skills are desirable for this role:

- RPEQ (Civil or Environment) or on the pathway to attain this certification within a few months of commencement
- Geomorphology and / or geotechnical training or certification
- Experience and interest in working in the mining and resources sector





Details

The role will be based in our Queensland team (Townsville / Brisbane office). We do, and always have, offered flexible working arrangements.

Remuneration is commensurate with skills and experience and subject to negotiation. An important part of our business is its ownership structure. Currently we have almost 50% of our staff as owners in the business and with a philosophy of increasing disbursement to create further ownership opportunity.

If you would like more information on the role, please contact Kim Markwell or Rohan Lucas for a confidential discussion.

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Email: rohan.lucas@alluvium.com

Applications consisting of a short cover letter and CV can be sent to:
info@alluvium.com

Please email your application by COB, 22 August 2025



Melbourne
Canberra
Sydney
Adelaide
Brisbane
Byron Bay
Townsville



Bangalore
Chennai
New Delhi
Phnom Penh
Ho Chi Minh City
Dunedin

