



ENVIRONMENTAL ENGINEERING

GeoLINK

Our environmental engineers form an integral part of a multi-disciplinary team which also includes planning, civil engineering, landscape architecture, ecology and environmental assessment.

The GeoLINK environmental engineering team fuses science and engineering principles to develop solutions that improve the use and management of air, water and land resources. GeoLINK specialises in environmental engineering services relating to land development, urban design, integrated water management and natural resource management.

Services

We provide a broad range of environmental engineering services including:

- Site assessment and feasibility studies
- Integrated water management – planning and design for water supply, wastewater, stormwater, water recycling
- Water-sensitive urban design
- Water resource management – water quality monitoring and ecosystem health assessment; management plans for catchments, rivers, lakes, estuaries and coastlines; hydrologic and hydraulic analysis
- Urban drainage and flood risk assessment
- Erosion and sediment control
- Soil assessment and management, including acid sulfate soils
- Contaminated site assessment
- Cleaner production audits and advice
- Strategic advice for governments and business

Our service delivery is supported by other general services such as project management, community consultation, GIS analysis, illustration preparation, and reporting. We also have strong working relationships with specialist consultants providing services in the areas of traffic, geotechnical, heritage, air quality, and noise assessments.

Projects

GeoLINK's contemporary and innovative engineering design team is building a reputation for its landmark Environmental Engineering projects. A selection of these projects that showcase the team's skills and experience include:

- Ballina Coastline Management Plan
- Clunes Wastewater Management Strategy
- Bayshore Village Development
- Macleay River Estuary Management Study and Plan
- Brunswick Foreshore Concept Plan
- Bangalow Park Wetland
- Southern Cross Industrial Estate
- Darlington Tourist Park Drainage Management Plan
- Red Rock Watercourse Rehabilitation Plan
- Gas Works Creek Rehabilitation Plan

The GeoLINK environmental engineering team

Respected and highly-qualified, our team has a broad cross section of experience. Our approach to environmental problem solving is fresh and creative with a high degree of technical accuracy.

Duncan Thomson BE(Env) (Hons1)

Environmental Engineer | Senior Associate

Duncan is an environmental engineer with a broad range of skills and experience. He has worked on a variety of infrastructure, development and environmental management projects and his experience covers the fields of water, wastewater, soils, noise, waste and energy. Aside from his technical skills and knowledge, he has substantial experience in project management, client relations, team collaboration and stakeholder consultation.

Duncan specialises in water management, including stormwater, erosion and sediment control, wastewater, water supply, and water recycling. He covers all aspects of water management, including the development of policy and guidelines, assessment of options, preparation of management plans and the design of infrastructure. His key technical skills are water modelling (hydrology, hydraulics, water balance, irrigation, water quality), formulation of management strategies, and design of infrastructure (drainage, treatment, detention).

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Tim Ruge MCRM BE(Civil) GradDipUrbD

Civil Engineer

Tim has over 30 years' experience as a civil engineer working for state government and the consulting industry. In addition to a broad skill set in civil engineering design, Tim has particular expertise in the design and documentation of stormwater, wastewater and water supply works. With his urban design qualifications, Tim provides unique value to the engineering of our urban related projects.

Tim's work with GeoLINK over the past ten years encompasses a range of fields including project managing natural resource management and engineering projects, stormwater management plans and drainage design, water quality monitoring programs, strategy studies and concept design of municipal sewerage schemes, on-site sewerage assessments, contamination assessments, estuary management plans, and coastal erosion studies.

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