

Capability Statement – Hydrographic Survey



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Who are NorthGroup Consulting

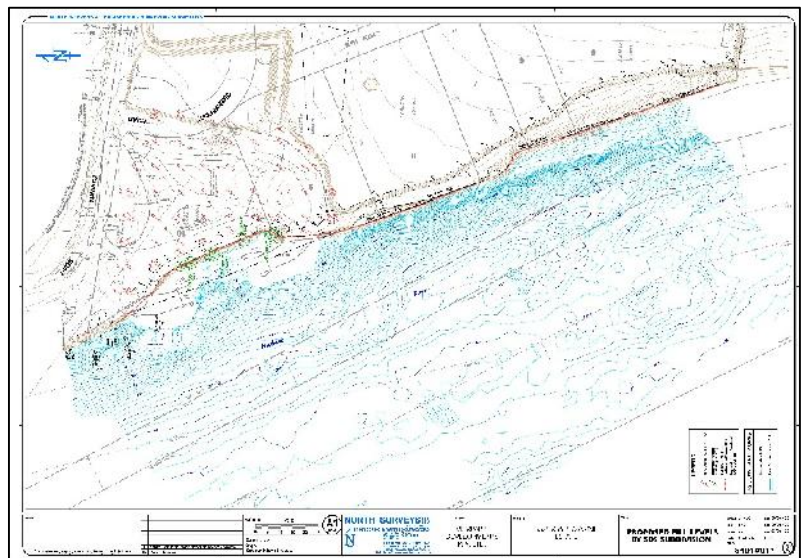
NorthGroup Consulting is a specialist infrastructure surveying company. Our surveyors and town planners are experts in Land, Hydrographic and Construction Surveying, 3D Laser Scanning and Town Planning.

NorthGroup Consulting have received high acclaim within the surveying industry for innovation and all-round excellence over the past 25 years of operation and pride ourselves on creating exceptional value in delivering surveying & scanning solutions.



What we do

NorthGroup Consulting are Hydrographic Surveying Specialists. Our expertise allows for the appropriate solutions for our clients to be sourced and implemented to enable the best outcomes on hydrographic projects. Our charts, bathymetric plans and digital data are produced at the highest quality. Our clients including Port Authorities and Governments have sought our expertise.



What we have done

NorthGroup Consulting are market leaders in utilising innovative solutions for hydrographic mapping.

We have over 20 years extensive experience hydrographic surveying. We work in dams, lakes, rivers, harbours, marinas, canals, bays and near shore areas. We have been involved in dredging work, environmental assessments, jetty and bridge construction, volume and monitoring surveys. We have worked along the eastern seaboard of Australia.



How we do it

NorthGroup Consulting has a strong team culture with a flexible, reliable and responsive workforce backed by the latest technology. We can mobilize seamlessly onto projects and integrate within large project teams. Our team will value add to the project with our extensive experience and can do hands on innovative approach.

Our aluminium centre console 5.15m boat, commercially registered as CLASS 2C restricted for open water Hydrographic Vessel. It is equipped for river, lake and estuary hydrographic surveys, and fitted with CEEDUCER digital echo sounder and inclinometers for pitch and roll corrections. We have multi beam available for use. In addition we have also have small dinghies, a zodiac and pontoons for smaller and difficult jobs.

Safety, Environment & Quality

NorthGroup Consulting is internationally accredited with certifications in Quality ISO 9001: 2008, Health & Safety OHSAS 18001 and Environmental ISO 14001:2004.



Quality ISO 9001
Certified System
FM 568513



Health & Safety AS/NZS 4801
Health & Safety OHSAS 1800
Certified System



ISO 14001:2004

Sample Industry Awards

Queensland Spatial Industry Award for Innovation and Entrepreneurialism,
Australian National Award Winner – Excellence in Surveying – Institution of Surveyors Australia
Certificate of High Commendation – Institution of Surveyors Queensland, for hydrographic mapping system development



Our Hydrographic Management Team

David Copley

David is a committed professional surveyor with over 30 years of experience. He leads the project team of dedicated surveyors in the Sunshine Coast Office. His outstanding technical and managerial abilities are appreciated by all who are involved with him. David's background includes large scale infrastructure projects along the eastern seaboard of Australia. He brings a wealth of knowledge to any project. David is a Hydrographic Surveying specialist.

David is able to quickly and seamlessly design and coordinate any scale hydrographic mapping project. David's role not only focus's on job logistics and resource management, but also client satisfaction, adherence to specification, solution finding & quality control. David has the ability to find technical solutions to challenging surveying projects. He is dedicated to the safety and well being of his team and a commitment to cost effective solutions for his clients. David is an accredited hydrographic surveyor and is a member of the Australasian Hydrographic Society.

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Hydrographic Association & Government Surveying Accreditations

Member of the Australasian Hydrographic Society

Accredited Hydrographic Surveyor



Queensland Government Department of Transport and Main Roads – MR41/05 Prequalified Supplier Arrangement for Professional Services for Major Infrastructure Projects

Queensland Government Department of Environment and Resource Management – Provision of Surveying Services Offer No. NRS0033

Queensland Government Department of Housing and Public Works POC Registration No. 0629A Level 3

A Sample of Our Hydrographic Surveying Projects

Emigrant Creek Dam

Survey of dam for sediment determination for NSW Government

Elanora Weir

Survey for weir depth determinations

Swanbank Lake

Survey of lake for capacity calculations and mapping

Moreton Bay Islands

Periodical surveys (six monthly) for three years of the marine foreshore (200m) and coral shelf around Green, Mud and St Helena Islands. Surveys were utilised to measure and determine coral growth after the stopping of mining.

Raby Bay Canal Development

Hydrographic survey of canals and revetment walls to determine extent of slippage and undermining of canal beaches.

Karragarra Island Water Main

Hydrographic surveys to determine and control dredging limits, rehabilitation of seabed, and location of constructed pipeline. Surveys also used for calculation of volumes for payment of excavation. Pipeline included three crossings between Russell, Karragarra and Macleay Islands.

Black Duck Swamp

Hydrographic survey utilising an airboat vessel, over a 75Ha swamp, with water levels to a depth of 6m, covered in thick grass mat and vegetation.

Roghan Creek Hydrology (NorthGroup Consulting)

Extensive creek system hydrology survey mapping that included hydrographic surveys of navigable creek system at Port Alma

South Pine River (NorthGroup Consulting)

Hydrographic Survey undertaken for second largest local authority in Queensland involving 20km of large river system surveys for flood modelling.

Brisbane River (NorthGroup Consulting)

Multiple hydrographic surveys undertaken on Brisbane River for design and upgrade of ferry terminals.

Wivenhoe Dam (NorthGroup Consulting)

Hydrographic Survey of spillway plunge pools and downstream water course for SEQ Water Authority.

Boondooma Dam (NorthGroup Consulting)

Hydrographic Survey of spillway pools and downstream water courses for Sunwater.