

**WATER AND  
TAILINGS  
MANAGEMENT**

# WHO WE ARE

**HALL WATER & TAILINGS IS THE HALL GROUP'S DEDICATED DIVISION PROVIDING DREDGING, SLURRY AND WATER MANAGEMENT, REHABILITATION AND CIVIL CONSTRUCTION SERVICES TO THE MINING AND HEAVY INDUSTRIAL SECTORS.**

Led by an experienced senior management team, we have the equipment and knowledge to deliver a wide variety of water and tailings management solutions and are well-versed in working in remote and highly regulated environments. We recognise every project is different and work collaboratively with clients to identify bespoke, cost-effective and safe solutions.

We are proud to have successfully carried out projects on behalf of the following mining and resources companies throughout our 75-plus years of operation:

- **RIO TINTO**
- **GLENCORE**
- **FORTESCUE METALS GROUP**
- **BHP**
- **ENERGY RESOURCES OF AUSTRALIA**
- **ANGLO AMERICAN**
- **ENSHAM RESOURCES**
- **KESTREL COAL RESOURCES**
- **FIRST QUANTUM MINERALS**

Hall Water & Tailings is well-placed to service mine and industrial sites across Australia, Asia and the Pacific Islands.

*"I write to thank you and your company for your performance in onshore dredging on our T155:Port project. On schedule, your team delivered. On cost, you also did very well coming under the budget. Most of all, we were thrilled that your team achieved a phenomenal safety record with no LTIs, no MTIs and no FAIs. Well done."*

Peter Thomas  
Project Director – Port & Rail  
Fortescue Metals Group



# THE HALL WAY

**AT HALL WATER & TAILINGS, OUR COMPREHENSIVE ENVIRONMENTAL, QUALITY AND SAFETY FRAMEWORKS ARE ESSENTIAL TO OUR SUCCESS AND ENSURE EVERY PROJECT WE UNDERTAKE IS DELIVERED TO A HIGH STANDARD.**

**> SAFETY**

Every person who works with Hall is considered part of the extended family. Our top priority is ensuring staff members always return home safely and injury free. In addition to adopting our clients' safe systems of work, we also operate a safety management system to AS/NZS 4801 and ISO 45001 (accredited by Bureau Veritas) to help us achieve our goal of zero harm.

**> ENVIRONMENT**

Hall is renowned for its environmentally conscious approach to projects, and has successfully delivered water and tailings projects in environmentally sensitive areas including sites neighbouring national parks and listed conservation areas.

We are proud to operate an environmental management system accredited to ISO 14001.

**> QUALITY**

Quality is more than just delivering an outstanding project; it's a way of life. With quality one of Hall's core values, our team endeavours to incorporate quality controls into all facets of the business.

We operate a quality management system to ISO 9001, which is accredited by Bureau Veritas, and our corporate culture embodies a strong belief in providing only first-rate service.



# OUR CAPABILITIES

**WITH HALL WIDELY RECOGNISED FOR ITS DREDGING, PUMPING AND CIVIL CONSTRUCTION CAPABILITIES, OUR TEAM PROVIDES A DIVERSE RANGE OF WATER AND TAILINGS MANAGEMENT SERVICES TO THE MINING AND HEAVY INDUSTRIAL SECTORS.**

**> TAILINGS, PRODUCTION WATER AND ENVIRONMENTAL DAM DREDGING**

Owning and operating a diverse range of demountable cutter suction and amphibious dredges, Hall Water & Tailings has the equipment and expertise to deliver a wide variety of water and tailings management solutions.

We assist mining companies to manage a range of materials, control the capacity of tailings storage facilities, and capture valuable commodities left over in waste products.

**> PUMPING SOLUTIONS**

Boasting extensive experience in all aspects of dewatering and water transfer, Hall can tailor cost-effective water management solutions to meet the individual needs of clients and achieve regulatory compliance. We undertake:

**• DEWATERING**

Hall owns and operates a range of pumps that can be utilised to dewater dams and mine pits, creating dry, workable conditions.

The pumped water can be utilised in wash plants or for other operational purposes such as dust suppression.

**• EMERGENCY DEWATERING**

When sites are negatively impacted by rain and flooding, Hall can assist with extracting floodwater,

enabling operations to resume promptly and safely. We pride ourselves on our ability to mobilise quickly in emergency situations and support mine sites during potentially catastrophic events.

**• WASTE/PROCESS WATER TRANSFER**

Hall possesses the capabilities and equipment to shift large volumes of water, making it available when and where it's needed. For sites with a water surplus, we can safely discharge this off-site in line with licencing conditions, and have the capabilities to comfortably manage contaminated water.

**• SLURRY PUMPING**

Using our extensive range of dredges, booster stations and pipelines, our team has the capability to pump dredged material more than 10km for storage or reprocessing.

**> POLY PIPE WELDING**

Specialising in butt fusion welding, Hall Water & Tailings delivers a variety of polyethylene (PE) and high-density polyethylene (HDPE) piping solutions to the mining and heavy industrial sectors.

We own a range of hydraulic-operated Tecnodue butt welding machines, enabling us to weld pipes ranging from 200mm to 500mm in diameter.





> **HYDROMINING**

With large dams and gravity-fed ponds designed to capture tailings deposits over time, Hall Water & Tailings can use hydromining cannons to hydraulically blast material to maintain storage capacity.

Our team also employs hydromining technology to convert waste material into slurry. This enables the material to be pumped to a facility for storage or reprocessing, and also creates opportunities to capture valuable commodities left over in waste products.

> **LAND REMEDIATION AND REHABILITATION**

Hall has proven expertise in remediating contaminated areas within industrial settings, delivering rehabilitation works in line with dedicated mine closure plans, and implementing rehabilitation strategies to restore ecosystem functionality and land productivity.

We remove tailings, water and other contaminated material from tailings storage facilities, pits and ponds, and have delivered these works in highly sensitive environments.

> **OPERATION AND MAINTENANCE**

Hall's operation and maintenance services are ideal for instances where clients have a pre-determined solution and assets, and require assistance in executing their vision.

Our team can successfully operate and maintain client-owned assets including dredges, pipelines and booster pumps, as well as water pumping infrastructure used for bulk water transfer.

We undertake all aspects of operational readiness and project execution, from human resources and training, right through to adhering to state and federal regulatory requirements. Our advanced asset management software also enables us to implement a structured repairs and maintenance regime.

> **CIVIL CONSTRUCTION**

Whether you're seeking a dedicated on-site services contractor or civil construction works delivered as a standalone service or as an accompaniment to a broader dredging or poly welding contract, Hall possesses the equipment and know-how to undertake all aspects of civil construction.

We own and operate a diverse range of civil plant, and our team is skilled at constructing service roads, haul roads, tailings dams and sediment basins, and undertaking bulk earthworks, grubbing and minor concrete works.

> **CUSTOM SOLUTIONS**

We recognise every project is different, which is why we work collaboratively with clients to develop customised solutions to short and long-term water and tailings asset challenges. We pride ourselves on rising to a challenge and thinking outside the square.

**NOT SURE IF WE CAN HELP? ASK US TODAY!  
WE INVITE YOU TO GET IN TOUCH AND DISCUSS  
YOUR PROJECT NEEDS.**





# OUR FLEET

## > DREDGES

Owning and operating a diverse fleet of demountable dredges, our team can identify the right vessel for each dredging project to maximise efficiency and achieve the desired outcome.

Our compact and highly mobile amphibious dredges enable us to operate in confined, shallow-water locations that may otherwise present accessibility

challenges, whereas our cutter suction dredges are well-suited to capital and maintenance dredging works, as well as removing sediment and tailings from dams, ponds and tailings storage facilities.

Our dredges that are well suited to mining applications include:

| NAME            | DREDGE TYPE    | POWER (kW) | PIPELINE DIAMETER |
|-----------------|----------------|------------|-------------------|
| MOOLOOLAH RIVER | Amphibious     | 205        | 250mm             |
| MAROOCHY RIVER  | Amphibious     | 205        | 250mm             |
| ARNHEM          | Cutter suction | 1,303      | 550mm             |
| KIRRA           | Cutter suction | 895        | 450mm             |
| MABUIAG         | Cutter suction | 839        | 500mm             |
| KIKILU          | Cutter suction | 671        | 400mm             |
| SAIBAI          | Cutter suction | 671        | 400mm             |
| NAVUA           | Cutter suction | 734        | 400mm             |
| WARRABER        | Cutter suction | 503        | 400mm             |



#### > PUMPS

Whether it's extracting floodwater following a severe weather event, dewatering dams and mine pits, transferring large volumes of waste or process water, or pumping dredged material to a desired location, we possess an extensive range of booster pumps, mass water flow pumps and hydraulic pumps to meet your project requirements.

Our booster and mass water flow pumps range from 150mm to 700mm in size and can be used in conjunction with our dredging fleet, or as standalone pumping solutions.

#### > CIVIL PLANT

Hall possesses the equipment and know-how to undertake all aspects of civil contracting within the mining and industrial sectors.

Our advanced fleet includes (but is not limited to):

- 25t-45t articulated dump trucks
- 30t-40t articulated water carts
- D6 and D6LGP bulldozers
- 14t-85t excavators
- CAT 140 graders
- Various skid steers and wheel loaders

*"Hail Creek engaged Hall's dredging services in 2017 to dredge silt from one of our dams. Hall's work was very professional and their equipment was well maintained. Most importantly, their approach to working safely was very good. There was no injury or equipment damage during their time at Hail Creek. I would engage Hall for future dredging projects."*

Mick Baumgarten  
Hail Creek Coal Mine Operations Superintendent  
Rio Tinto





**AUSTRALIA OFFICE**

PO Box 519, Buderim Qld 4556, Australia  
Phone +61 (7) 5445 5977 Fax +61 (7) 5445 1312

Offices located in:

**SUNSHINE COAST, AUSTRALIA**

**BRISBANE, AUSTRALIA**

**KUALA LUMPUR, MALAYSIA**

**NADI, FIJI**

**ANTWERP, BELGIUM**

[mail@hallwaterandtailings.com.au](mailto:mail@hallwaterandtailings.com.au)  
[www.hallwaterandtailings.com.au](http://www.hallwaterandtailings.com.au)

**HALL**

**WATER & TAILINGS**