

# DREDGING AND MARINE CIVIL



**HALL**

[hallcontracting.com.au](http://hallcontracting.com.au)



**AUSTRALIA'S  
LARGEST PRIVATELY  
OWNED DREDGING  
CONTRACTOR**

working across South-East  
Asia, Australia and the  
Pacific Islands

**TRUSTED.  
CAPABLE.  
AUSTRALIAN.**

**AT HALL** WE GO MORE THAN  
JUST THE **EXTRA MILE.**

Since our inception in 1946, we have grown from humble beginnings to become one of the leading dredging contractors in Australia, South-East Asia and the Pacific Islands, and we are continuing to expand in the international market.

Our success is driven by our commitment to communicating transparently, working collaboratively with clients and consistently delivering practical and innovative project solutions.

Owning and operating an advanced dredging fleet, Hall Contracting is renowned for tackling challenging and remote dredging projects in the Asia Pacific region.



## WHAT WE DO

# TOOLS OF THE TRADE

Operating an advanced fleet of backhoe and cutter suction dredges, and backed up by a wide range of ancillary equipment including workboats, booster pumps, work barges and pipelines, Hall Contracting possesses the capabilities to handle complex dredging projects across the globe.

Our relationships with other trusted dredging companies allow us to access an even wider range of equipment, including trailing suction hopper dredges.

With expertise in civil construction, we also specialise in delivering marine infrastructure.

## HALL EQUIPMENT INCLUDES:

**10** CUTTER  
SUCTION  
**DREDGES**



**1** BACKHOE  
**DREDGE**



ACCOMMODATION BARGES,  
**TUGS** & WORKBOATS

## OUR FLEET INCLUDES

### BACKHOE DREDGE

| Name    | Make           | Country of origin | Power (HP) | Max. bucket size |
|---------|----------------|-------------------|------------|------------------|
| Woomera | De Donge BA900 | Holland           | 2950       | 18m <sup>3</sup> |

### CUTTER SUCTION DREDGES

| Name            | Make                  | Country of origin | Power (HP) | Pipeline diam. |
|-----------------|-----------------------|-------------------|------------|----------------|
| Eastern Aurora  | IHC                   | Holland           | 10,000     | 750mm          |
| Amity           | NQEA                  | Australia         | 4500       | 750mm          |
| Bilba           | IHC Beaver 1500       | Holland           | 1545       | 500mm          |
| Mabuiag         | IHC Beaver 1200       | Holland           | 1400       | 500mm          |
| Everglade       | IHC Beaver 1200       | Holland           | 1200       | 400mm          |
| Kikilu          | Ellicott B890         | USA               | 1200       | 400mm          |
| Saibai          | Hall                  | Australia         | 1200       | 400mm          |
| Navua           | Jaden                 | Australia         | 1000       | 400mm          |
| Warraber        | Jaden                 | Australia         | 675        | 400mm          |
| Mooloolah River | Watermaster Classic V | Finland           | 250        | 250mm          |



# OUR CAPABILITIES

With a strong and experienced senior management team leading the way, Hall possesses the capabilities and know-how to tackle some of the world's most complex and remote dredging projects.

Our fleet is equipped to dredge a variety of materials including rock, clay, sand, silt, gravel and mine tailings.

## OUR CAPABILITIES INCLUDE:

- > capital and maintenance dredging for ports and harbours
- > coastal resilience
- > land reclamation
- > dredging of canal estates
- > river dredging
- > mine and tailings dredging and dewatering
- > marine civil





## CAPITAL AND MAINTENANCE DREDGING FOR PORTS AND HARBOURS

Our diverse fleet allows us to take on large-scale port construction and reclamation projects, including dredging channels, swing basins and berths.

### PROJECT PORTFOLIO

- > **DARWIN MARINE SUPPLY BASE, AUSTRALIA** Dredging the Darwin Marine Supply Base approach channel, swing basin and berth, including removal of 700,000m<sup>3</sup> of siltstone, sandstone and quartz reef.
- > **MOTUKEA WHARF, PNG** Dredging 1.3 million m<sup>3</sup> of hard clay, coral rock and sand to form shipping berths, an approach channel, swing basin and reclamation for the Motukea Wharf and Container Terminal.
- > **LUMSDEN POINT, AUSTRALIA** Dredging and remediating 1.3 million m<sup>3</sup> of sand, gravel and conglomerate material to form the Lumsden Point General Cargo Facility approach channel, swing basin and berth pockets at Port Hedland.
- > **LAUTOKA WHARF, FIJI** Dredging 500,000m<sup>3</sup> of sand and clay for a new berth and channel at Lautoka Wharf.
- > **PORT VILA, VANUATU** Dredging limestone to create a new access channel, which has improved navigational accessibility between South Paray Wharf and Iririki Island.
- > **PORT DENARAU MARINA, FIJI** Deepening and extending the shipping channel leading into Fiji's busiest tourist harbour.

## COASTAL RESILIENCE

Hall has the equipment and experience to bolster coastal defences through beach replenishment and marine structures such as groynes, seawalls and breakwaters. The versatility of our pipeline and booster pump combinations means we can adapt to a wide variety of beach replenishment problems.

### PROJECT PORTFOLIO

- > **NUKUFETAU COASTLINE, TUVALU** Designing and constructing multiple three-metre-high Geobag seawalls totalling 950m in length to protect the Nukufetau atoll from large waves, particularly during severe weather events.
- > **MOOLOOLABA BOAT HARBOUR, AUSTRALIA** Relocating sand to restore and protect a very popular recreational cove adjacent to the Mooloolaba boat harbour.
- > **NOOSA RIVER SPIT, AUSTRALIA** Undertaking erosion protection and dredging works for this iconic tourist destination.



## LAND RECLAMATION

Hall possesses a solid track record in delivering land reclamation projects across the Asia Pacific, creating usable land from oceans, rivers, lagoons and harbours.

### PROJECT PORTFOLIO

- > **FOREST CITY, MALAYSIA** Dredging 3 million m<sup>3</sup> of sand and pumping it more than 2km to form a man-made island as part of the Forest City development.
- > **FUNAFUTI WATERFRONT, TUVALU** Dredging sand from a nearby lagoon and using it to reclaim a 55,000m<sup>2</sup> stretch of foreshore, providing an open space for residents to participate in recreational activities.
- > **MERMAID MARINE SUPPLY BASE, AUSTRALIA** Constructing a seawall and undertaking dredging and reclamation works for a new supply base in Dampier.

## DREDGING OF CANAL ESTATES

Hall Contracting is a leader in canal development, having been involved with a number of high profile canal estates.

### PROJECT PORTFOLIO

- > **PELICAN WATERS, AUSTRALIA** Constructing canals and residential allotments while complying with strict environmental guidelines.
- > **BRIGHTWATER ESTATE, AUSTRALIA** Dredging waterways and successfully managing acid sulphate soils and other sensitive environmental conditions.
- > **TWIN WATERS, AUSTRALIA** Dredging waterways and undertaking reclamation works for this iconic Queensland-based residential estate.





## RIVER DREDGING

Hall Contracting specialises in river dredging in remote locations. These projects are typically undertaken for flood mitigation or navigation purposes.

### PROJECT PORTFOLIO

- > **NADI RIVER, STAGES 1 TO 4, FIJI** Dredging 1.6million m<sup>3</sup> of sediment for flood mitigation purposes, while also training Fijian operators, crew and government surveyors in hydrographic survey techniques.
- > **BING BONG CHANNEL, AUSTRALIA** Dredging 600,000m<sup>3</sup> of silts and clays to improve access to one of the world's largest zinc and lead mines.
- > **BA RIVER, FIJI** Dredging 450,000m<sup>3</sup> of sediment from the Ba River to reduce the effects of flooding on surrounding residents and infrastructure.
- > **COOMERA RIVER, AUSTRALIA** Dredging 140,000m<sup>3</sup> of sand and clay along a 12km stretch, with the dredged material used for land reclamation at Hope Island.
- > **NAVUA RIVER, FIJI** Dredging 500,000m<sup>3</sup> of material in just seven weeks, while managing fast-flowing river currents, sand infill and plant debris.
- > **BUNDABERG PORT, AUSTRALIA** Flood recovery following the 2011 floods, involving dredging 400,000m<sup>3</sup> from the swing basin and berth to restore the port to its declared depth.

**STRONG.  
EXPERIENCED.  
PROFESSIONAL.**



## TAILINGS DREDGING AND DEWATERING

Hall Contracting is experienced at dredging tailings, pit dewatering and installing pipelines, having completed successful projects at various mines and large reclamation project sites.

### PROJECT PORTFOLIO

- > **OAKY CREEK COAL MINE, AUSTRALIA** Removing coal fines from a tailings dam for Xstrata in a highly regulated safety environment, while interfacing with an operational underground coal mine.
- > **RANGER URANIUM MINE, AUSTRALIA** Dredging and reclaiming approximately 26.8 million tonnes of uranium tailings on behalf of Energy Resources Australia.
- > **FORTESCUE METALS TAILINGS POND, AUSTRALIA** Dredging more than 4.5million m<sup>3</sup> of material in a highly regulated environment, achieving zero harm over the entire project.
- > **MAP TA PHUT, THAILAND** Using two dredges to remove mud and silts from existing ponds on the site of the future Bountiful City Light & Power station.
- > **ENSHAM COAL MINE, AUSTRALIA** Large-scale pit dewatering of the Ensham coal mine following the 2011 floods.
- > **MORANBAH NORTH COAL MINE, AUSTRALIA** Desilting tailings dams using an innovative dewatering method, which involved pumping dredged material into large Geobags.





## MARINE CIVIL

With expertise in sheetpiling as well as building seawalls, lock and weir structures, wharves, jetties and salinity exchange systems, Hall Contracting is capable of delivering a wide variety of marine infrastructure.

### PROJECT PORTFOLIO

- > **NEWPORT, AUSTRALIA** Constructing a concrete lock and weir, including dry excavation and dredging works.
- > **PELICAN WATERS, AUSTRALIA** Constructing two concrete lock and weir structures and a salinity exchange system.
- > **ATAFU, NUKUNONU AND FAKAOFO, TOKELAU** Constructing four wharves, upgrading various ramp structures and widening and deepening reef passages to ensure safer, more reliable ship-to-shore operations in a remote part of the Pacific Islands.
- > **BRIGHTWATER, AUSTRALIA** Constructing Brightwater Lake and associated infrastructure, including over 4km of revetment walls, steel and vinyl sheet piles, a culvert structure, concrete weir, salinity pumping system and intake structure with a jetty.

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JUST THE **EXTRA MILE.**

# THE HALL WAY

At Hall, we pride ourselves on our ability to deliver practical solutions to problems, and have proven expertise in overcoming challenges posed by complex projects. Most importantly, we value our client relationships and work hard to deliver our service in a cooperative manner. Our frameworks for safety, sustainability and quality assurance are essential to our success.

**SAFETY** Every person who works with Hall is considered a part of the extended family. Our top priority is ensuring staff members always return home safely and injury free. We operate a safety management system to AS/NZS 4801 and OHSAS 18001 (accredited by BSI) to help us achieve our goal of zero harm, and we continually strive to improve our safety procedures.

**ENVIRONMENT** Hall is renowned for its environmentally conscious approach to projects, with our commitment to environmentally responsible contracting at the forefront of everything we do. As a contractor, we make every effort to carry out development projects in a responsible manner, minimising impact on the environment. 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 BSI-accredited, and our corporate culture embodies a strong belief in providing only first-rate service.





**ENVIRONMENT**

**RESPECT**

FOR THE EARTH



**SAFETY**

**CARE**

FOR OUR PEOPLE



**QUALITY**

**PRIDE**

IN OUR PRODUCT



**SAFE. SUSTAINABLE. QUALITY.**



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