

An aerial photograph showing two dredging vessels in a marina. The vessels are connected by a long, flexible suction pipe. The water is a deep blue-green color. The marina has several wooden piers and a small boat docked on the left. The image is overlaid with a large, semi-transparent blue and green geometric shape.

**HALL**

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

# MARINA DREDGING



**HALL CONTRACTING  
IS AUSTRALIA'S LARGEST  
PRIVATELY OWNED  
DREDGING, CIVIL AND  
MARINE CONSTRUCTION  
COMPANY, WITH OFFICES  
IN AUSTRALIA, SOUTH-EAST  
ASIA, EUROPE AND THE  
PACIFIC ISLANDS.**



## WHO WE ARE

Led by a strong and experienced senior management team, Hall is committed to providing every client with a world-class experience.

Our diverse fleet enables us to take on a range of capital and maintenance dredging projects for

marinas, including dredging channels, swing basins and berths.

We pride ourselves on our ability to deliver complex works in high-traffic environments, providing vessel operators with uninterrupted marina access.

## OUR CAPABILITIES

### > MAINTENANCE DREDGING

With storm events increasing in frequency and intensity and triggering sediment build-up in marinas, it is crucial marina operators undertake routine maintenance dredging to maintain adequate water depths within channels, berths and swing basins.

Hall is experienced in removing silt, sand, and other material from marinas in accordance with environmental licence conditions, ensuring users have unrestricted access at all times.

Our team can assist with one-off maintenance dredging projects or develop and implement routine dredging programs.

### > CAPITAL DREDGING

Whether it's creating a new berthing facility, expanding an existing one or deepening an approach channel or basin, our team has the skills and expertise to undertake all aspects of capital dredging.

We deepen waterways and can upgrade your marina waterway depths to accommodate large vessels such as superyachts and deeper draft vessels, ultimately benefiting your bottom line.

### > BUND CONSTRUCTION

An important consideration when undertaking dredging works is identifying a suitable location for placing dredged material. In some cases, the material can be used to renourish nearby

beaches. In other instances, it can be transported to dedicated holding ponds and reclamation areas, and safely returned to the environment or used to create new land.

With expertise in bund construction and access to qualified design consultants, Hall has the capabilities to build safe and robust ponds and reclamation areas in line with your project needs.

### > ACID SULFATE SOIL MANAGEMENT

Acid sulfate soils are naturally occurring sediments that contain sulfide minerals. They are commonly found in marinas and other low-lying areas of Australia, and if not managed effectively when exposed to oxygen, can have detrimental effects on flora, fauna and water quality.

Hall is well-versed in managing acid sulfate soils, having won industry awards for our stringent environmental procedures. We make every effort to minimise disturbance to these soils when carrying out dredging and construction activities.

Where required, our team undertakes neutralisation treatments to rehabilitate acid sulfate soils in line with government guidelines, ensuring they can be stored safely and returned to the environment.

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

# OUR EQUIPMENT

OWNING AND OPERATING A RANGE OF CUTTER SUCTION AND AMPHIBIOUS DREDGES, HALL HAS THE EQUIPMENT AND SPECIALIST KNOWLEDGE TO DELIVER A WIDE VARIETY OF MARINA DREDGING PROJECTS.

Dredges in our fleet that are well suited to marina dredging works include:

NAME	TYPE	COUNTRY OF ORIGIN	POWER (HP)	PIPELINE DIAMETER	MIN. DREDGING DEPTH	MAX. DREDGING DEPTH
ARNHEM	Cutter suction dredge	Netherlands	1740	550mm	2m	16m
MABUIAG	Cutter suction dredge	Netherlands	1400	400mm	2m	16m
EVERGLADE	Cutter suction dredge	Netherlands	1200	400mm	1.5m	15m
SAIBAI	Cutter suction dredge	Australia	1200	400mm	1.5m	15m
NAVUA	Cutter suction dredge	Australia	675	400mm	1.5m	12m
WARRABER	Cutter suction dredge	Australia	675	400mm	1.5m	15m
MOOLOOLAH RIVER	Amphibious dredge	Finland	250	250mm	No minimum	6m
MAROOCHY RIVER	Amphibious dredge	Finland	250	250mm	No minimum	6m

Our compact and highly mobile amphibious dredges enable us to operate in confined, shallow-water locations that may otherwise present accessibility challenges. These dredges also come with a range of interchangeable attachments including:

- Various heavy-duty buckets for undertaking excavation works and dredging polluted material
- A cutter head for dredging material and pumping it up to 1.5km
- A rake tool for removing reeds, roots and other vegetation, as well as clearing rubbish

**HALL'S DREDGING FLEET IS BACKED UP BY A WIDE RANGE OF ANCILLARY EQUIPMENT INCLUDING WORK BOATS, BOOSTER PUMPS, BARGES AND PIPELINES.**



# KEY PROJECTS

Some of the marina dredging projects our team has undertaken in recent years include:

## > GOLD COAST CITY MARINA DREDGING

Hall mobilised amphibious dredge *Maroochy River* as well as a support barge and 25t long-reach excavator to remove approximately 600m<sup>3</sup> of sediment from the Gold Coast City Marina and super yacht berth. The works have improved accessibility and enabled larger superyachts to use the marina's facilities. Dredged material was transported to a nearby sediment management facility via truck and treated with agricultural lime before being safely disposed of off-site.

## > GLADSTONE MARINA DREDGING

With pilot boats, line boats, barges, ferries, fishing charter boats and private leisure craft regularly transiting the Gladstone Marina, Gladstone Ports Corporation engaged Hall to undertake maintenance dredging to ensure ongoing navigability. Our team used cutter suction dredge *Saibai* to remove 150,000m<sup>3</sup> of material to achieve the desired depth, with dredged material pumped to an onshore disposal location.

## > BREAKWATER MARINA DREDGING AND BUND CONSTRUCTION

Cutter suction dredge *Everglade* showcased its capabilities in Townsville when tasked with dredging approximately 63,000m<sup>3</sup> of sediment from the Breakwater Marina entrance channel. As part of the project, Hall installed a 2.6km pipeline within an underground stormwater system and across a busy shipping channel to transfer dredged material. Our team also constructed a new storage and fines settlement pondage system and developed a methodology for managing the dredge spoil, which involved mixing and drying the material to produce a reusable soil.

## > ROSSLYN BAY HARBOUR DREDGING

Hall expanded its footprint in Central Queensland when the Department of Transport and Main Roads engaged the team to undertake maintenance dredging works at Rosslyn Bay Harbour.

Crew members used cutter suction dredge *Warraber* to remove 24,000m<sup>3</sup> of silt, sand and gravel from the harbour's entrance channel and various internal channels, and ensured the facility remained operational at all times.

## > NEWPORT CANALS AND ENTRANCE CHANNEL DREDGING

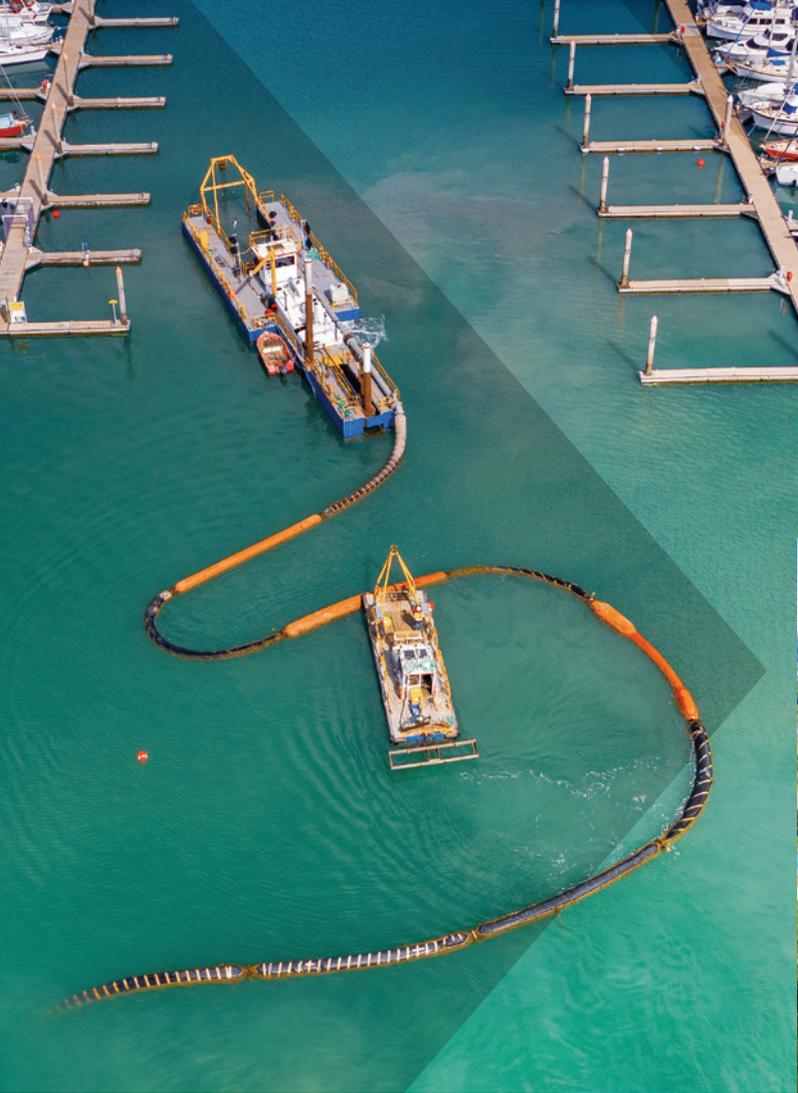
Moreton Bay Regional Council engaged Hall to undertake maintenance dredging works in several locations within the Newport canal system as well as the approach channel leading into Newport Marina.

The *Maroochy River* dredge worked in combination with a Dragflow pump to transfer 33,000m<sup>3</sup> of sediment to a hopper barge located more than 1km away. Our team was able to interchange the dredge's cutter head with a bucket attachment to successfully remove the stiff clay encountered.

## > PORT DOUGLAS BOAT HARBOUR DREDGING

With the Port Douglas Boat Harbour in need of regular maintenance dredging, the Department of Transport and Main Roads contracted Hall on multiple occasions to remove sediment from the entrance channel. Our team safely installed 5.5km of dredge pipeline (partially through protected vegetation including old growth mangroves and salt marsh) as well as multiple booster pumps to transfer dredged material to the containment facility.

Our efforts resulted in Hall winning a CCF Queensland Earth Award for excellence in project and environmental management.



# THE HALL WAY

AT HALL, 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 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 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, with our commitment to environmentally responsible contracting at the forefront of everything we do. 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.

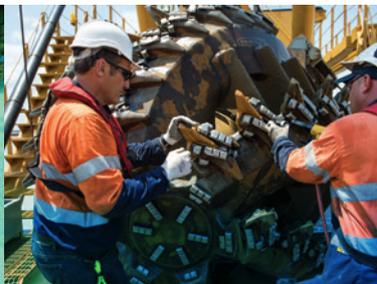
**WE OPERATE A QUALITY MANAGEMENT SYSTEM TO ISO 9001, WHICH IS ACCREDITED BY BUREAU VERITAS, AND OUR CORPORATE CULTURE EMBODIES A STRONG BELIEF IN PROVIDING ONLY FIRST-RATE SERVICE.**



**ENVIRONMENT**

**RESPECT**

FOR THE EARTH



**SAFETY**

**CARE**

FOR OUR PEOPLE



**QUALITY**

**PRIDE**

IN OUR PRODUCT



**SAFE. SUSTAINABLE. QUALITY.**



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