

# Shipping Handbook 2023







# Introduction

This *Shipping Handbook 2023* is intended to assist waterside operators and other stakeholders seeking shipping information relating to the Port of Brisbane, its infrastructure and services.

It should be read in conjunction with the *Port Procedures and Information for Shipping – Port of Brisbane* manual, produced by Maritime Safety Queensland (Queensland Government) and available on its website at:

[www.msq.qld.gov.au/Shipping/Port-procedures/Port-procedures-brisbane](http://www.msq.qld.gov.au/Shipping/Port-procedures/Port-procedures-brisbane)

The *Shipping Handbook 2023* provides general information. If you have specific requirements, please contact Port of Brisbane Pty Ltd (PBPL).

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# Who we are

The Port of Brisbane is an important economic asset facilitating trade-related growth for Queensland and Australia. It is one of the country’s largest and most diverse multi-cargo ports, providing critical export and import links to world markets. Every year, approximately \$55 billion in international trade is handled through the Port, which includes around 50% of Queensland’s agricultural exports and 95% of its motor vehicles and containers.



It is also home to the new Brisbane International Cruise Terminal (BICT) – a world-class cruise facility that welcomes hundreds of thousands of passengers every year and will support the long-term growth of the cruise tourism industry in Brisbane and Queensland.

Geographically, Brisbane is Australia’s largest capital city port. The Port’s approximately 1870-hectare footprint comprises ‘wet and dry land’ designated for industrial and commercial uses, approximately 693-hectare of environmental areas, 8,200 metres of quayline, 28 operating berths and a 224-hectare Future Port Expansion area which is being progressively developed to support future growth.

The Port of Brisbane operates in an area of high environmental significance at the mouth of the Brisbane River and on the edge of Moreton Bay. It also borders Ramsar wetlands in the Moreton Bay Marine Park, a wetland site designated to be of international importance under the Ramsar Convention. It is separated from residential areas by buffer zones, mitigating potential impacts from the Port’s 24/7 operations.

## Port of Brisbane Pty Ltd

Privatised in 2010 under 99-year leases from the Queensland Government, the Port is managed and developed by Port of Brisbane Pty Ltd (PBPL). PBPL is owned by the APH consortium, comprising four of the world’s largest and most experienced infrastructure investors:

- QIC Private Capital Pty Ltd on behalf of its managed funds and clients
- IFM Investors
- Caisse de dépôt et placement du Québec
- Tawreed Investments Ltd, a wholly owned subsidiary of the Abu Dhabi Investment Authority.

# About the Port of Brisbane

- Located in South East Queensland and strategically placed at the mouth of the Brisbane River, free from urban encroachment.
- One of Australia’s most diverse ports and Queensland’s largest multi-cargo port, with facilities for containers, general cargo, motor vehicles and bulk.
- Home to the new Brisbane International Cruise Terminal, a purpose-built, dedicated cruise facility.
- Room to grow, with available port land for both large and small developments, including the approximately 90-hectare Port West Industrial Estate and the 224-hectare Future Port Expansion area.
- World-class facilities including cargo-handling infrastructure, warehousing and storage areas, bulk handling and container parks.
- 8,200 metres of quayline accommodating 28 operating berths.
- 26 individual shipping lines service the Port, totalling around 2,150 vessel calls each year.
- Up to five sailing days closer to Asia than the southern ports of Sydney and Melbourne.

## Health and safety

At Port of Brisbane, health and safety is our highest priority. We strive to provide a healthy and safe workplace for all our employees, contractors and visitors.

Our key objectives are to have:

- a workplace where health and safety management and leadership is a core responsibility of our managers and supervisors
- a workplace where health and safety management and leadership is integrated into core business activities
- a culture that inspires awareness of and personal responsibility for health and safety
- an occupational health and safety management system that meets ISO 45001:2018 standards and complies with statutory obligations and expectations.





# Trade statistics

We provide statistical reports on our website to assist and promote trade growth and development.

PBPL also offers an interactive trade data reporting system (DIOR) that allows customers to access the system for up to date, detailed and customised trade statistic reports. Subscriptions are available by contacting PBPL.

## More information

### Trade statistics

Visit <https://www.portbris.com.au/operations-and-trade/trade-development/>

### DIOR subscription

Email [info@portbris.com.au](mailto:info@portbris.com.au)

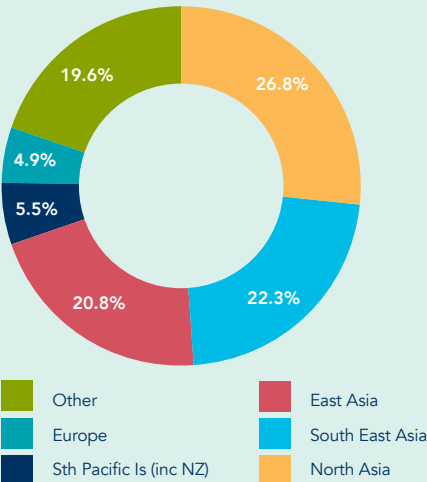
## 2021/22 Trade

 **1.53** million  
containers were handled through  
the Port of Brisbane

Overall trade tonnage reached over  
 **32** million tonnes



## Our key trading partners



Note: Total trade share by revenue

## Top 5:

### Region by import (tonnes)

1. South East Asia
2. North Asia
3. East Asia
4. North America
5. Europe

### Region by export (tonnes)

1. North Asia
2. South East Asia
3. East Asia
4. South Pacific Islands (including New Zealand)
5. South Asia

### Imports by product (tonnes)

1. Crude oil and refined oil
2. Cement
3. Iron and steel
4. Building products
5. Machinery

### Exports by product (tonnes)

1. Agricultural seeds
2. Coal
3. Refined oil
4. Iron and steel
5. Meat products

Source: PBPL, 2021/22

# Logistics network

## Rail access

The Port of Brisbane provides access for both narrow gauge (intrastate) and standard gauge (interstate) trains via a dual gauge track. Aurizon operates Seafreighter rail services on the North Coast Line for importers and exporters between the Port of Brisbane and Aurizon terminals in Central, North and Far North Queensland as well as the South Western Line.

Seafreighter services are designed to carry containerised product, in either 6.1m or 12.2m containers, with powered wagons offering refrigeration services to and from locations within Queensland. Aurizon also provides transport solutions to the cotton, coal and grain industries, in the form of fixed-consist train services.

## Road access

The Port of Brisbane benefits from strong road connectivity, providing access to interstate and intrastate locations via the Port of Brisbane Motorway (POBM). The POBM is a four-lane motorway and key road corridor directly connecting the Port to the National Highway system, including the Gateway Motorway, Pacific Motorway, Logan Motorway, Ipswich Motorway, Warrego Highway and Bruce Highway. These motorways also connect to Brisbane's major industrial areas and the Port's hinterland.

The POBM also connects the Gateway Motorway to Port Drive, a recently upgraded dual lane carriageway providing access in and out of Fisherman Islands.

## Brisbane Multimodal Terminal

The Brisbane Multimodal Terminal (BMT) is the interface between rail, road and the container terminals at the Port of Brisbane. The integration of these transport modes – a dual gauge rail link and the location of the BMT behind the container terminals – enables the movement of large volumes of intrastate cargo in and out of the Port by rail. The BMT can also offer interim depot solutions for import and export cargo, including break bulk cargo (i.e., storage for both dry and refrigerated containers and pre-receiving containers for export).

The Port of Brisbane MSIC Centre is also located at the BMT. Information about the services provided at the MSIC Centre are available on the PBPL website along with contact details and opening hours.

## Public weighbridge

Road users have access to a 24-hour automated weighbridge located at the BMT.

The public weighbridge provides auditable records of a vehicle's weight, including the total gross weight of the vehicle and the weights for each individual axle group. It can also provide the product weight, which requires two weighs – one with the truck empty and the other with it loaded.

The public weighbridge assists with legislative requirements including Container Weight Declarations and helps facilitate compliance with Chain of Responsibility legislation. It is owned and managed by PBPL.

Note: Weighbridge pre-paid codes can be purchased in advance at the MSIC office within the Brisbane Multimodal Terminal (BMT) or by phoning 07 3258 4878 (between the hours of 9am and 3pm, Monday to Thursday). Customers can buy single or multiple codes.

## More information

### Brisbane Multimodal Terminal (BMT)

Location: 52 Port Drive, Port of Brisbane

Website: <https://www.portbris.com.au/operations-and-trade/port-facilities/brisbane-multimodal-terminal/>

### Public Weighbridge

Location: 52 Port Drive, Port of Brisbane (adjacent to the BMT)

Opening hours: 24 hours 7 days, fully automated

Website: <https://www.portbris.com.au/operations-and-trade/port-facilities/weigh-bridge/>

### Maritime Security Identification Card (MSIC) Office

Location: Brisbane Multimodal Terminal, 52 Port Drive, Port of Brisbane

Email: [msic.centre@msicapplications.com.au](mailto:msic.centre@msicapplications.com.au)

Website: <https://www.portbris.com.au/operations-and-trade/apply-for-an-msic/>

Contact details, facility information and opening hours: refer page 27.

# Facilities

## Container terminals

The Port of Brisbane has the equivalent of eight 300 metre container berths (2,469m of quayline), leased and operated by three stevedores: DP World (Brisbane), Patrick Terminals and Brisbane Container Terminals.

### DP World

DP World (DPW) Brisbane leases and operates Berths 4 to 7. DPW's Brisbane Terminal is serviced by four super post-panamax cranes and one post panamax crane (all twin-lift container cranes) as well as 16 automated stacking cranes (ASCs). These operate across eight modules, with each ASC module feeding containers to 14 dedicated shuttles on the waterside. Eight ASCs receive and deliver containers to trucks on the landside. In addition, DPW's Brisbane Terminal has three Reach Stackers which handle out of gauge (OOG), tanks, faulty or cold treatment reefers.

### Patrick Terminals

Patrick Terminals leases and operates Berths 8 to10, with five post-panamax cranes and 35 automated straddle carriers. This comprises 933 metres of quayline, with an effective operating length of 876 metres due to perpendicular access roads (ships can be berthed over 933 metres but only worked over 876 metres). It also includes a terminal area of 473,206 square metres (inclusive of cargo link at 67,800 square metres) and a truck marshalling area comprising 33,730 square metres.

### Brisbane Container Terminals

Brisbane Container Terminals occupies Berth 11 and 12 with four post-panamax quay cranes, six automated stacking cranes, six shuttles, two reach stackers, three 3-high straddles, two prime movers and four internal transfer vehicles.

### PBPL

PBPL owns the wharves, provides a significant proportion of fixed improvements, and issues priority-use licences and leases for their operation.

## General cargo and motor vehicles

The Port of Brisbane has 696 metres of general-cargo wharves which can handle break-bulk cargo, containers, motor vehicles, and other roll on/roll off cargo.

### Australian Amalgamated Terminals

Australian Amalgamated Terminals (AAT) leases and manages Berths 1 to 3, with various stevedores loading and unloading ships at these berths.

AAT manages cargo receival and delivery. The berths are equipped with two conventional panamax container cranes, one mobile

harbour crane and one Liebherr LPS550 mobile harbour crane (rail mounted – maximum lifting capacity 154 tonnes). The Grain Berth can accommodate some car carrier vessels. This berth can be used for motor vehicles, subject to availability and suitability of the vessel.

Heavy loads exceeding 90 tonnes require PBPL's approval to transit to Wharves 1 to 12 at Fisherman Islands. Other wharf load constraints are available on application.

## Dry-bulk terminals

The Port of Brisbane's dry-bulk facilities have flexible operational arrangements, with some dedicated to a particular user and others sharing wharf facilities with non-bulk trades.

## Wet bulk

PBPL operates the Port North Common User Berth (PNCUB) at Pinkenba. A common user facility, the PNCUB typically handles refined petroleum products.

Brisbane's Ampol oil refinery uses the Fisherman Islands Bulk Berth No. 2, principally for imports of crude oil and its products berth for refined exports. IOR uses the Fisherman Islands Bulk Berth No. 2, principally for imports of petroleum products.

Viva Energy (Pinkenba), Quantem Liquid Terminals (Pinkenba), Chevron (Eagle Farm) and BP/ATOM (Pinkenba) also handle refined products through the Port at wharves in the Pinkenba Reach.

Animal and vegetable oils and chemicals are moved through terminals at Pinkenba and Colmslie.

## Brisbane International Cruise Terminal

The Brisbane International Cruise Terminal (BICT) at Pinkenba provides a dedicated cruise facility for Brisbane and South East Queensland. Owned by PBPL and operated by cruise lines on cruise days, the BICT can accommodate all ocean-going cruise ships, including the largest in the world. It is a common user facility, subject to berth availability.

The BICT comprises a two-storey terminal building with dedicated areas for arrivals, check-in, security screening, immigration and quarantine areas. The building is connected to the ship via an elevated passenger walkway and passenger boarding bridges.

The BICT's 208 metre wharf comprises a wider section at 33 metres wide and 68 metres long for operations as well as a narrow section at 12.5 metres. The wharf height is 4.243 metres at LAT, with a 440-metre berth pocket and 14 metre draft alongside. It has 200-tonne bollards and cone fenders with facing panels as well as four mooring dolphins.



## More information

### Port of Brisbane terminal / facility information

Telephone: Port Operations +61 7 3258 4888  
Website: <https://www.portbris.com.au/operations-and-trade/port-facilities/>

### Brisbane International Cruise Terminal

Location: 1 Cruise Terminal Drive, Pinkenba  
Telephone: Port Operations +61 7 3258 4888  
Email: [bict.ops@portbris.com.au](mailto:bict.ops@portbris.com.au)  
Website: [www.portbris.com.au/cruise](http://www.portbris.com.au/cruise)

### Port Security (24 hours, seven days a week)

Telephone: + 61 7 3258 4601  
Website: <https://www.portbris.com.au/operations-and-trade/security/>

*Please note, unless otherwise specified, enquiries will be responded to during business hours, Monday to Friday.*

## Berth operators

For detailed information about a specific berth, its equipment or specifications, please contact the berth operator.

PORT OF BRISBANE	
Name of terminal	Owner or user
Berths 1 to 3	Australian Amalgamated Terminals (AAT)
Berths 4 to 7	DP World (Brisbane)
Berths 8 to 10	Patrick Terminals
Berths 11 and 12	Brisbane Container Terminals
Bulk Berth No. 1	Queensland Bulk Handling Pty Ltd
Grain Berth	GrainCorp
Cement/Clinker Plant	Sunstate Cement Ltd
Woodchip Terminal	Queensland Commodity Exports Pty Ltd
General Purpose Berth	Port of Brisbane Pty Ltd
Brisbane International Cruise Terminal	Port of Brisbane Pty Ltd
Port North Common User Berth	Port of Brisbane Pty Ltd
Fisherman Islands Bulk Berth No. 2	Port of Brisbane Pty Ltd

UPRIVER	
Name of terminal	Owner or user
Pinkenba Common User Berth	Port of Brisbane Pty Ltd / GrainCorp
Sims Berth	Sims Metal
Incitec South	Incitec Pivot
Queensland Bulk Terminal	Wilmar Gavlion
Cement Australia	Cement Australia
Wagners	Wagners
BP Products	BP/ Australian Terminal Operations Management Pty Ltd (ATOM)
Quantem Liquid Terminals	Quantem
Viva Energy	Viva Energy Australia
Ampol Lytton Products Wharf	Ampol Refineries (QLD) P/L

# Berth details

Wharf	Operator	Wharf use*	Wharf length (m)**	Berth pocket Length x Width (m)	Nominal Depth LAT # (m)	Services	Equipment and Facilities
No. 12	Brisbane Container Terminals	Containers	310m	310m x 55m	14m	Electricity Telephone Water	Dry cargo – 950 ground slots Refrigerated cargo – 350 TEU plug points
No. 11	Brisbane Container Terminals	Containers	350m	350m x 55m	14m		Terminal equipment includes: <ul style="list-style-type: none"><li>• four post panamax quay cranes</li><li>• six automated stacking cranes</li><li>• six shuttles</li><li>• 14 reachstackers</li><li>• 3 x 3-high straddles</li><li>• two prime movers</li><li>• four ITVs</li></ul>
No. 10	Patrick Terminals	Containers	396m	396m x 55m	14m	Electricity Telephone Water	Dry cargo – 4,873 ground slots Refrigerated cargo – 1,296 plug points Terminal equipment includes 35 automated straddle carriers and five gantry cranes: four 75t and one 61t
No.9	Patrick Terminals	Containers	317m	317m x 55m	14m		
No. 8	Patrick Terminals	Containers	220m	220m x 55m	14m		
No. 7	DP World Brisbane	Containers	200m	200m x 55m	14m	Electricity Water	Dry cargo – 3,100 ground slots (12,500 TEU) Refrigerated cargo – 278 ground slots (803 TEU) Terminal equipment includes: <ul style="list-style-type: none"><li>• four super post panamax cranes and one post panamax crane (all twin-lift container cranes)</li><li>• one panamax single-lift crane</li><li>• 16 automated stacking cranes</li><li>• 14 shuttles</li><li>• three reach stackers.</li></ul> All four cranes access Berths 4, 5, 6 and 7
No. 6	DP World Brisbane	Containers	150m	150m x 55m	14m		
No. 5	DP World Brisbane	Containers	250m	250m x 55m	14m		
No. 4	DP World Brisbane	Containers	302m	302m x 55m	14m		
No. 3	AAT	Containers, general cargo, ro/ro and motor vehicles	299m	299m x 45m	14m	Electricity Water	Refrigerated cargo – 120 points Container storage – 3,000 TEU Motor vehicles storage – 6,500 units Undercover storage – 16,000m². Terminal equipment includes: <ul style="list-style-type: none"><li>• 2 x conventional panamax container cranes</li><li>• 1 x LPS550 rail mounted slewing crane (154 tonne)</li><li>• 1 x Gottwald mobile harbour crane (100 tonne)</li><li>• 6 x reach stackers</li><li>• 2 x 54E topframe forklifts</li><li>• 3 x 32 tonne ro/ro forklifts</li><li>• 12 x 16 tonne forklifts</li><li>• 8 x small forklifts (ranging from 4 tonne to 9 tonne)</li><li>• 3 x terberg dock trucks</li><li>• 2 x terminal tractors</li><li>• 4 x terminal trailers (containers)</li></ul>
No. 2	AAT	Containers, general cargo, ro/ro and motor vehicles	200m	200m x 45m	14m		
No. 1	AAT	Containers, general cargo, ro/ro and motor vehicles	197m	197m x 45m	14m		

Wharf	Operator	Wharf use*	Wharf length (m)**	Berth pocket Length x Width (m)	Nominal Depth LAT # (m)	Services	Equipment and Facilities
Grain	GrainCorp	Grain, woodchips, cottonseed exports, motor vehicles, cement discharged	285m	285m x 45m	13m	Electricity Telephone Water	Grain loading: up to 1,800tph Silo storage: 60,000t Woodchips loading: 700tph Cottonseed loading: 600tph Sugar / cottonseed shed: 28,000t Pad storage: 100,000t. Discharge: cement up to 370t hour on average
FIBB2	PBPL	Crude oil and petroleum product discharge and load petroleum products	91.4m	400m x 50m	14.3m	Electricity Fuel oil Water	Crude oil: one 600mm pipeline; three 250mm pipelines with connections Bunker fuel: one 150mm pipeline and connections Discharge: 3,000 – 4,000tph Load: 250 – 620tph Petroleum Products Discharge (IOR) – 2 x 400mm unloading arms into a 600mm pipeline. Discharge Rate 1500tph – 4000tph
Bulk Berth No 1	Qld Bulk Handling Pty Ltd	Coal exports	240m	317m x 50m	14m	Electricity Telephone Water	Coal loading up to 3,000tph Average 2,000tph Stockpile storage: 900,000t Receival by rail: average 2,000tph
General Purpose Berth	PBPL	Dry-bulk and break-bulk	213m	215m x 50m	12m	Electricity Water	1.5ha terminal – open storage
Port North Common User Berth	PBPL	Load and discharge petroleum products	15m	329m x 50m	14.3m	Water / Fuel oil (by barge)	Two 300mm boom connected to one 500mm pipeline Maximum Discharge Rate: 1800kl/hr
Brisbane International Cruise Terminal	PBPL	Cruise Terminal	208m	440m x 60m	14m	Water	Contact PBPL for further details
Ampol Lytton Products Wharf	Ampol Refineries (QLD) P/L	Petroleum products	81m	285m x 35m	10.3m	Diesel Oil Electricity Water	Four 200mm connections Discharge: 200 – 1,000tph Load: 200 – 1,000tph
Cement Australia	Cement Australia	Bulk clinker, gypsum, slag imports and plasterboard	128m	220m x 35m	9.7m	Electricity Telephone Water	Cement clinker: receival hopper with travelling grab crane bucket Discharge: up to 400tph. Three storage sheds, capacity 5,000t, 30,000t and 80,000t



# Berth Details (continued)

Wharf	Operator	Wharf use*	Wharf length (m)**	Berth pocket Length x Width (m)	Nominal Depth LAT # (m)	Services	Equipment and Facilities
Wagners	Wagners	Bulk clinker, gypsum, slag imports, grain and fertiliser imports, grain exports, live cattle exports, quarantine inspections	254.8m	254.8m x 35m	10.3m		Please contact Wagners for details
BP Products	BP/ Australian Terminal Operations Management Pty Ltd (ATOM)	Petroleum products load and unload, LPG unload, fuel oil load and unload, bitumen load and unload	35m	235m x 35m	10.9m	Telephone (not for ship) Water / Fuel oil (by barge) Telephone (mobile – through agent)	Petroleum products: one 200mm marine loading arms with three 200-250mm pipelines. LPG: (Origin) one 250mm pipeline for liquid, one 100mm for vapour. Fuel Oil: BP Marine one 200mm barge loading hose and 350mm import pipeline. Bitumen; (puma Bitumen) one 200mm hose, one 200m pipeline and one 250mm pipeline
Viva Energy	Viva Energy Australia	Petroleum products	74m	234m x 35m	10.9m	Electricity	Contact Viva Energy Australia for details
Quantem Liquid Terminals	Quantem	Bulk flammable and combustible liquids	50m	208m x 35m	10.5m	Electricity (not for ship) Telephone (not for ship) Water	Contact Quantem Pty Ltd for details
Sims Berth	Sims Metal	Bulk liquid and bulk dry fertiliser	123m	210m x 35m	10m	Contact Sims Metals for details	
Incitec South	Incitec Ltd	Bulk liquid and bulk dry cargoes	152m	220m x 35m	10.4m	Contact Incitec Ltd for details	
Pinkenba Common User Berth	PBPL / GrainCorp / Chevron	Grain, silica sand, other dry-bulk handling, general cargo, soya bean meal, fertiliser, petroleum products	314m	407m x 35m	10.4m	Electricity Telephone Water	Total storage shed: 80,000t Total silo storage: 20,000t Total open area: 25,000t Mobile gantry loader. Load up to 1,200tph into two import hoppers each 300tph. Direct to truck. Direct to silo. Direct to shed Terminal hardstand 1.0ha
Queensland Bulk Terminal	Wilmar Gavilon	Bulk cargo	158m	270m x 35m	10m	Electricity Water	Contact Queensland Bulk Terminal for details

# Lowest astronomical tide.

\* Heavy loads in excess of 90t require PBPL's approval to transit between wharves 1–12 at Fisherman Islands. Other wharf load constraints are available on application.

\*\* Wharf length is aligned to berth length for Fisherman Islands wharves 1-12.



## Services



# Navigation and operation

## Regional Harbour Master (Maritime Safety Queensland)

Under the *Transport Operations (Marine Safety) Act 1994*, control of navigation in the port is the responsibility of the Regional Harbour Master, an officer of Maritime Safety Queensland. Vessel Traffic Services (VTS) is responsible for shipping movements in the pilotage area and operates 24 hours a day.

This Shipping Handbook 2022/23 should be read in conjunction with the *Port Procedures and Information for Shipping – Port of Brisbane* manual, produced by Maritime Safety Queensland (Queensland Government) and available on its website at

[www.msq.qld.gov.au/Shipping/Port-procedures/Port-procedures-brisbane](http://www.msq.qld.gov.au/Shipping/Port-procedures/Port-procedures-brisbane)

For information regarding ships, ports or other maritime matters, visit the Maritime Safety Queensland website at [www.msq.qld.gov.au](http://www.msq.qld.gov.au)

### Regional Harbour Master

Maritime Safety Queensland  
Marine Operations Base  
MacArthur Avenue East  
Pinkenba QLD 4008

Ph: (07) 3632 7500  
Email: [rhmbbris@msq.qld.gov.au](mailto:rhmbbris@msq.qld.gov.au)  
Website: [www.msq.qld.gov.au](http://www.msq.qld.gov.au)

### Vessel Traffic Services

Brisbane Port Control  
Marine Operations Base  
MacArthur Avenue East  
Pinkenba QLD 4008

Ph: (07) 3623 3900  
Email: [vtsbrisbane@msq.qld.gov.au](mailto:vtsbrisbane@msq.qld.gov.au)  
Website: <https://qships.tmr.qld.gov.au/webx/>

### Position

The Port of Brisbane is located between Latitude 26°39' south and 27°41' south, and between Longitude 153°0' east and 153°30' east.

### Charts

Admiralty chart references  
AUS 236  
AUS 237

### Depths

Alongside depths of general cargo berths are between 9 metres and 14 metres; container berths up to 14 metres; oil berths up to 14.3 metres; Port of Brisbane Grain Berth is 14 metres; and coal berth 14 metres.

### Tides

At the Standard Port of Brisbane Bar, the Mean High Water Spring (MHWS) is 2.22 metres above Lowest Astronomical Tide (LAT) and the Mean High Water Neap (MHWN) is 1.84 metres above LAT.

The Highest Astronomical Tide (HAT) is 2.78 metres above LAT.

Flinders National Tidal Facility provides annual tidal predictions, and Maritime Safety Queensland's Tide Tables and Boating Guide is published annually. Tide times can also be accessed via the Bureau of Meteorology website.

### Waterside access

Access to the Port of Brisbane is via Moreton Bay, where deep-water channels are a minimum 280 metres wide from Fairway Beacon (FWB) to Entrance Beacons, and the minimum depth is 15 metres LAT.

Pilotage is compulsory for ships over 50 metres Length Overall (LOA). All ships of 35 metres LOA and over must report their movements to Port Control.

### Draft / Minimum Under Keel Clearance

Minimum Under Keel Clearances (UKC) for Moreton Bay vary according to the vessel's draft and route taken.

Tidal windows are calculated using NCOS Online (Nonlinear Channel Optimisation Simulator) and will be generally calculated if a ship's draft exceeds 12.0 metres.

The Brisbane River is dredged to 9.1 metres LAT upstream of the Fisherman Islands swing basin and a minimum UKC of 0.6 metres is required. This UKC increases with draft.

Minimum UKC alongside any wharf is 0.3 metres. UKC windows for both Moreton Bay and Brisbane River can be obtained from Brisbane Vessel Traffic Services.

## NCOS Online

NCOS Online (Nonlinear Channel Optimisation Simulator system) is world-leading software that provides a seven-day detailed forecast of a vessel's under keel clearances (UKC) and environmental conditions with a web interface, allowing for dynamic vessel scheduling.

Developed by PBPL with DHI and FORCE Technology, NCOS Online enables the Regional Harbour Master (MSQ) and key stakeholders to determine the UKC required for larger vessels more safely and accurately.

NCOS Online is the only vessel UKC forecast system in the world to have the same high level of accuracy as a Full Mission Bridge Ship Simulator.

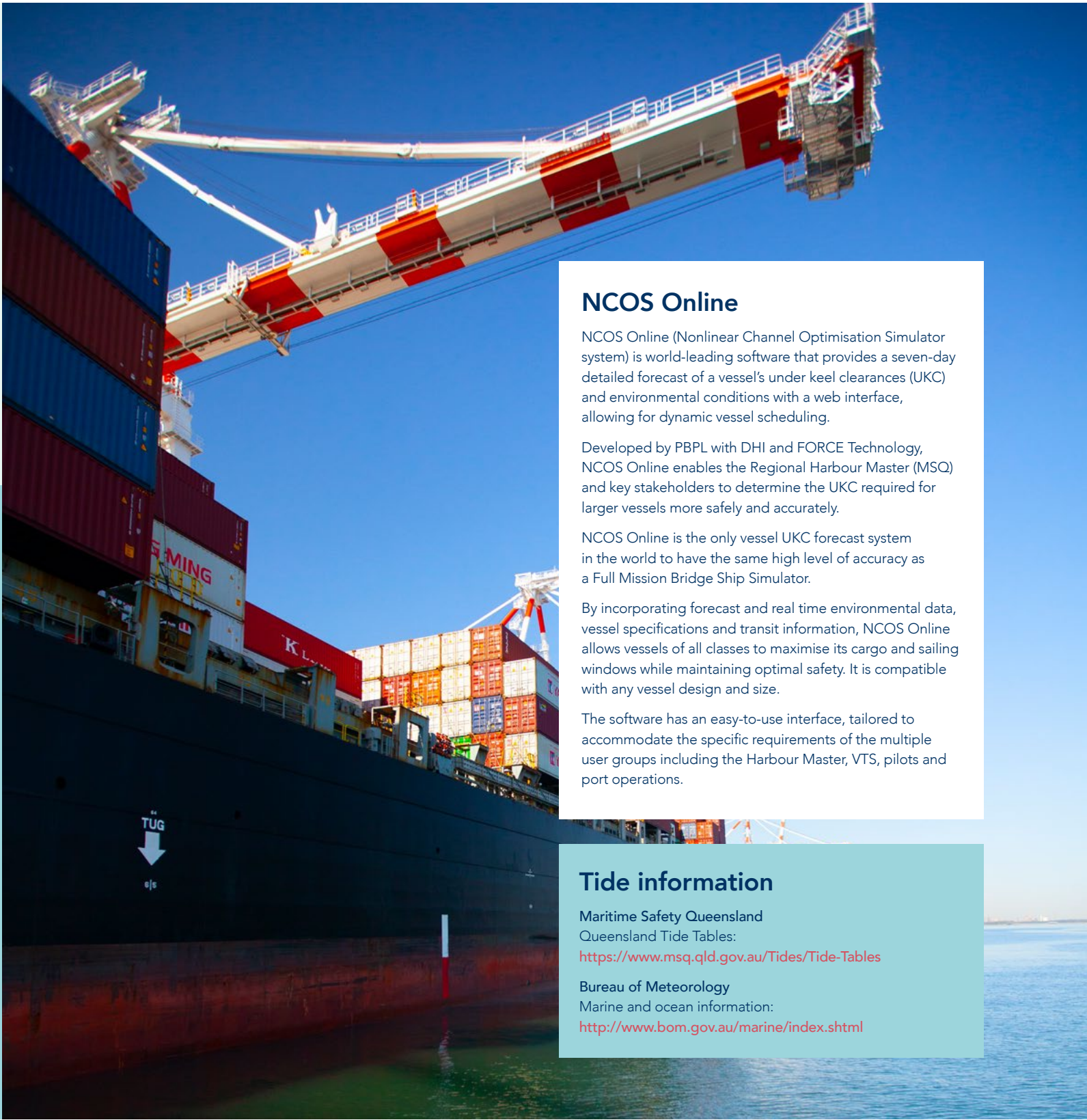
By incorporating forecast and real time environmental data, vessel specifications and transit information, NCOS Online allows vessels of all classes to maximise its cargo and sailing windows while maintaining optimal safety. It is compatible with any vessel design and size.

The software has an easy-to-use interface, tailored to accommodate the specific requirements of the multiple user groups including the Harbour Master, VTS, pilots and port operations.

## Tide information

Maritime Safety Queensland  
Queensland Tide Tables:  
<https://www.msq.qld.gov.au/Tides/Tide-Tables>

Bureau of Meteorology  
Marine and ocean information:  
<http://www.bom.gov.au/marine/index.shtml>





# Channels, reaches and swing basins

# Reporting points

## CHANNELS AND REACHES

Location	Declared Depth (LAT)	
North West Channel	15m	(280m wide)
Spitfire Channel	15m	(590m wide)
East Channel	15m	(300m wide)
Main Channel	15m	(300m wide)
Bay Crossing	14.7m	(300m wide)
Bar Cutting (River entrance)	14m	(180m wide)*
Pelican Banks cutting to Hamilton Reach	9.1m	(120m wide)

## SWING BASINS

Location	Declared Depth (LAT)	
Fisherman Islands (minimum width)	14m	(493m wide)**
Koopa (minimum width)	14m	(531m wide)**
Lytton and Quarantine (minimum width)	9.1m	(255m wide)**
Pinkenba (minimum width)	9.1m	(331m wide)**
Hamilton	9.1m	(398m wide)

\* Day and night centre line and shoulder leading lights.  
\*\* Widths assume vessels at adjacent berths.

## Pilotage

Pilotage at the Port of Brisbane is the responsibility of a privately-owned company, Poseidon Sea Pilots, under contract with MSQ. Pilotage is compulsory for every ship that is 50m LOA or more, or any ship if directed by the Harbour Master. This does not apply to ships with Masters holding a pilotage exemption certificate.

The pilot boarding ground is three (3) nautical miles south-east of Point Cartwright, Sunshine Coast. (Pilots may board or disembark outside these limits by prior arrangement.)

Requests for pilots should be made via the ship's agent, providing at least 48 hours' notice. Poseidon Sea Pilots maintain a 24-hour listening watch on VHF channel 12. ETA at the boarding ground should be confirmed at least two hours before arrival by calling "Brisbane VTS" on VHF channel 12.

Pilots embark and disembark using fast, white and yellow-hulled launches. Ships are requested to provide a good lee, and maintain a speed of seven knots when embarking or disembarking their pilot. Pilot ladders should be rigged in accordance with SOLAS regulations and ISO standards, 2 metres above the water, with two man-ropes and a heaving line standing by.

Distances from the boarding ground:

- Entrance Beacons 70km (42nm)
- Fisherman Islands 80km (48nm)
- Hamilton Reach Berths 89km (54nm)

## More information

**Poseidon Sea Pilots**

Website: <https://www.poseidonpilots.com.au/>

## Arrivals

All vessels entering Brisbane Port Limits must call "Brisbane VTS" on VHF channel 12 at the following times:

- when the pilot is on board, giving FWB time, ETA Entrance Beacons, route used, draft, and, if at anchor, anchor aweigh time
- when passing the Fairway Buoy (Customs requirement)
- 30 minutes prior to passing Entrance Beacons to Bar Cutting when passing Entrance Beacons, advising all river traffic of time at berth (named) and whether berthing head-up, head-down or swinging (name basin)
- after secured alongside, giving time of first line, whether vessel is berthed head-up or head-down, confirm vessel all fast and time of all fast
- upon anchoring at Brisbane Roads, vessel should provide anchorage position as a bearing and distance from Entrance Beacons.

## Departures

All vessels removing or departing from a wharf or anchorage within Brisbane Port Limits must call "Brisbane VTS" at the following times:

- one hour before departure, confirming ETD and radio check
- five minutes prior to weighing anchor or departing berth, giving details of intended movement, including whether heading upstream, downstream and/or swinging, draft, pilot's name and boarding time
- upon weighing anchor or letting go, giving time of anchor aweigh or last line, confirming details of movement, and giving ETA at Entrance Beacons and/or berth. Also advise draft, pilot's name and boarding time
- when passing Entrance Beacons outbound, giving ETA at pilot boarding ground and/or Fairway Buoy, channels to be used, next port
- following the transfer of the pilot to the pilot launch, "Brisbane VTS" should be informed of the transfer time.

## Height

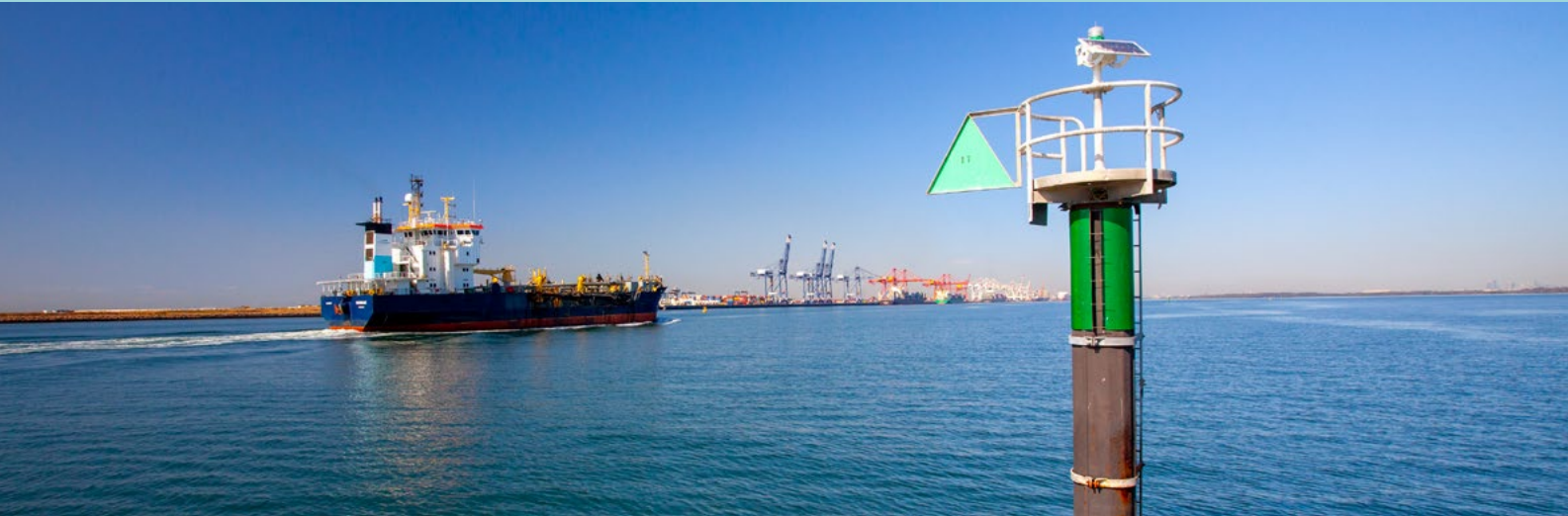
The height under the Sir Leo Hielscher Bridges (Brisbane's Gateway Bridges), is 57 metres at the centre of the span and 54 metres at the cutting edge above HAT.

Vessels with an uppermost height (air draft) exceeding 48 metres must obtain written permission from the Manager (VTS) before passing under the bridge.

# Port Procedures Manual

The Port Procedures Manual for Port of Brisbane is produced by Maritime Safety Queensland (Queensland Government) and lists in detail all vessel-movement, restriction, communication, towage, pilotage, emergency, navigation, berth, channel, depth and swing-basin information.

The manual is available on the Maritime Safety Queensland website: <http://www.msq.qld.gov.au/Shipping/Port-procedures/Port-procedures-brisbane.aspx>





# Communication

## Communications

Brisbane Vessel Traffic Service's call sign is "Brisbane VTS". The following VHF channels are used:

- VHF Ch 16 – Call up, answering, emergencies
- VHF Ch 12 – Working channel, port operations
- VHF Ch 67 – Small craft
- VHF Ch 6, 8, 9, 10 – Pilots and tugs
- VHF Ch 63, 73 – Water Police and Coastguard

## Notifications of ETA

Masters of all vessels arriving at Brisbane should keep their agents informed of their ETA and arrival draft. Agents should inform "Brisbane VTS" 48 hours and 24 hours prior to the tentative ETA of vessels.

If this subsequently varies by more than one hour, the agent should inform VTS so that the shipping schedule can be modified.

Masters can also confirm their ETA direct to Brisbane Vessel Traffic Services:

**Ph:** (07) 3305 1700 (24 hours)  
**Email:** vtsbrisbane@msq.qld.gov.au

Masters should contact "Brisbane VTS" on VHF channels 12 or 16 at a minimum of two hours and then one hour prior to arrival at Point Cartwright to confirm ETA and obtain pilot's boarding/ladder information.

# DGTRAC – Dangerous Goods Tracking

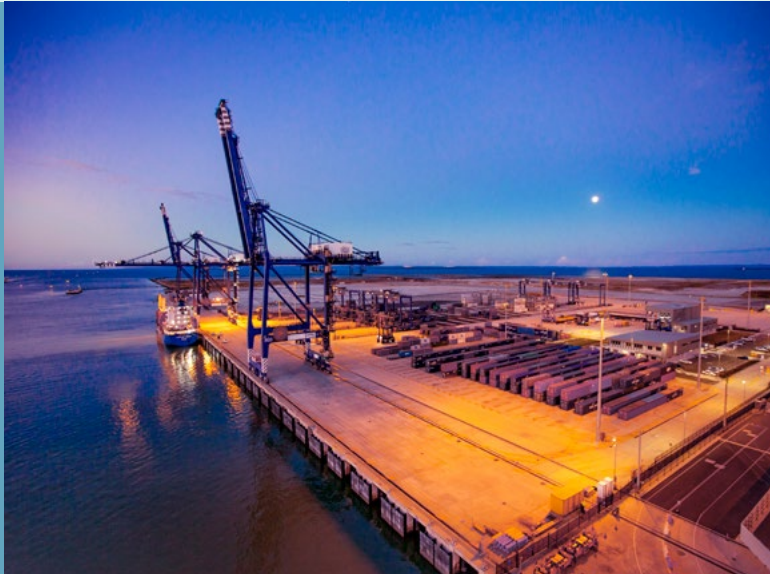
All dangerous goods must be lodged through PBPL's Dangerous Goods Tracking system, DGTRAC. This is a mandatory online system for tracking the movement of dangerous goods. A Port Notice, issued under the *Transport Infrastructure Act 1994 (Qld)* to all shipping companies, sets out the requirements for handling dangerous goods in the Port of Brisbane.

DGTRAC allows for more accurate tracking of core information, which is then provided to statutory bodies such as Australian Maritime Safety Authority (AMSA), Maritime Safety Queensland (MSQ) and the Chief Inspector of Explosives.

If you have a DGTRAC account, you can lodge information via:

- an EDI file (format based on international standard IFTDGN)
- Manual web lodgement via [www.portbris.com.au](http://www.portbris.com.au)

For companies seeking to move dangerous goods throughout the Port that have not set up a DGTRAC account, please contact PBPL Port Operations.



## More information

### Dangerous Goods Tracking

**Telephone:** Port Operations: +61 7 3258 4888  
**Email:** [dgtrac.admin@portbris.com.au](mailto:dgtrac.admin@portbris.com.au)  
**Website:** <https://www.portbris.com.au/Operations-and-Trade/Access/>  
or <https://dgtrac.portbris.com.au/>

# Port security

The Port of Brisbane's security regime is fully compliant with the requirements of the *International Ship and Port Facility (ISPS) Code*, to meet international obligations under the *International Maritime Organisation's Safety of Life at Sea Convention 1974*.

Port of Brisbane security plans are approved and audited by the Department of Home Affairs, ensuring the Port's national security obligations under the *Maritime Transport and Offshore Facilities Security Act 2003* are achieved and maintained.

## Port Security Committee

The Port Security Committee, which comprises representatives from PBPL and government and security authorities, ensures a uniform approach to security responsibilities across all areas of the Port and the maintenance of port-wide security objectives.

Through this Committee, PBPL has developed a Port Wide Risk Assessment used by all facilities in determining port-wide risks. By assessing and adding site-specific risks, port users can add mitigation measures to improve the overall security and safety of their maritime security zones, and the Port.

## PBPL Port Security

PBPL maintains a high-level security service, including port-wide closed-circuit television monitoring, water and land-based security guarding and patrolling, and access control arrangements. Cost recovery for these services occurs through a cargo-based fee; a user-pays cost recovery system for mandatory access-control and waterside security requirements, .

PBPL operates a 24-hour Port Security Control Centre which monitors the port precinct, including land and waterside infrastructure.

PBPL's Security Team operate under its own Security Licence allowing us to offer our stakeholders added layers of after-hours security services such as lock up and unlock services, alarm response and property security patrols. Trained personal are available to attend and provide a detailed site assessment and quote for services.

## More information

### Port Security

**Port Security Control Centre** (24 hours, 7 days)  
**Telephone:** +61 7 3258 4601  
**Website:** <https://www.portbris.com.au/operations-and-trade/security/>





# Port charges

Use of PBPL facilities attracts charges as defined in the pricing schedule (all prices are inclusive of GST). By using the facilities, you agree to be bound by the terms and conditions contained within the schedule and all other relevant PBPL documentation.

## More information

### Port charges

Website: Schedule of Port Charges  
<https://www.portbris.com.au/Operations-and-Trade/Shipping-Operations/>



# Environmental permits and waste disposal

## Waste

Waste Type	Discharge Allowance (within port limits)	Disposal ashore	Regulator/Further Information
Black and grey waters and untreated sewage	No allowance	Via a licensed contractor	Maritime Safety Queensland
Treated sewage (IMO approved systems)	Discharge is permissible in certain locations subject to a number of strict conditions.	Via a licensed contractor	Maritime Safety Queensland
Oil and oily mixtures	No allowance	Via a licensed contractor	Maritime Safety Queensland
Garbage	No allowance	Via a licensed contractor. DAFF approval for international vessels.	Department of Agriculture, Fisheries and Forestry
Plastics, metals and timbers	No allowance	Via a licensed contractor	Maritime Safety Queensland
Incinerator usage	No allowance		Australian Maritime Safety Authority
Ballast water	Discharge of high risk ballast water is prohibited unless for safety reasons and must be reported to the regulator.	No facilities	Department of Agriculture, Fisheries and Forestry

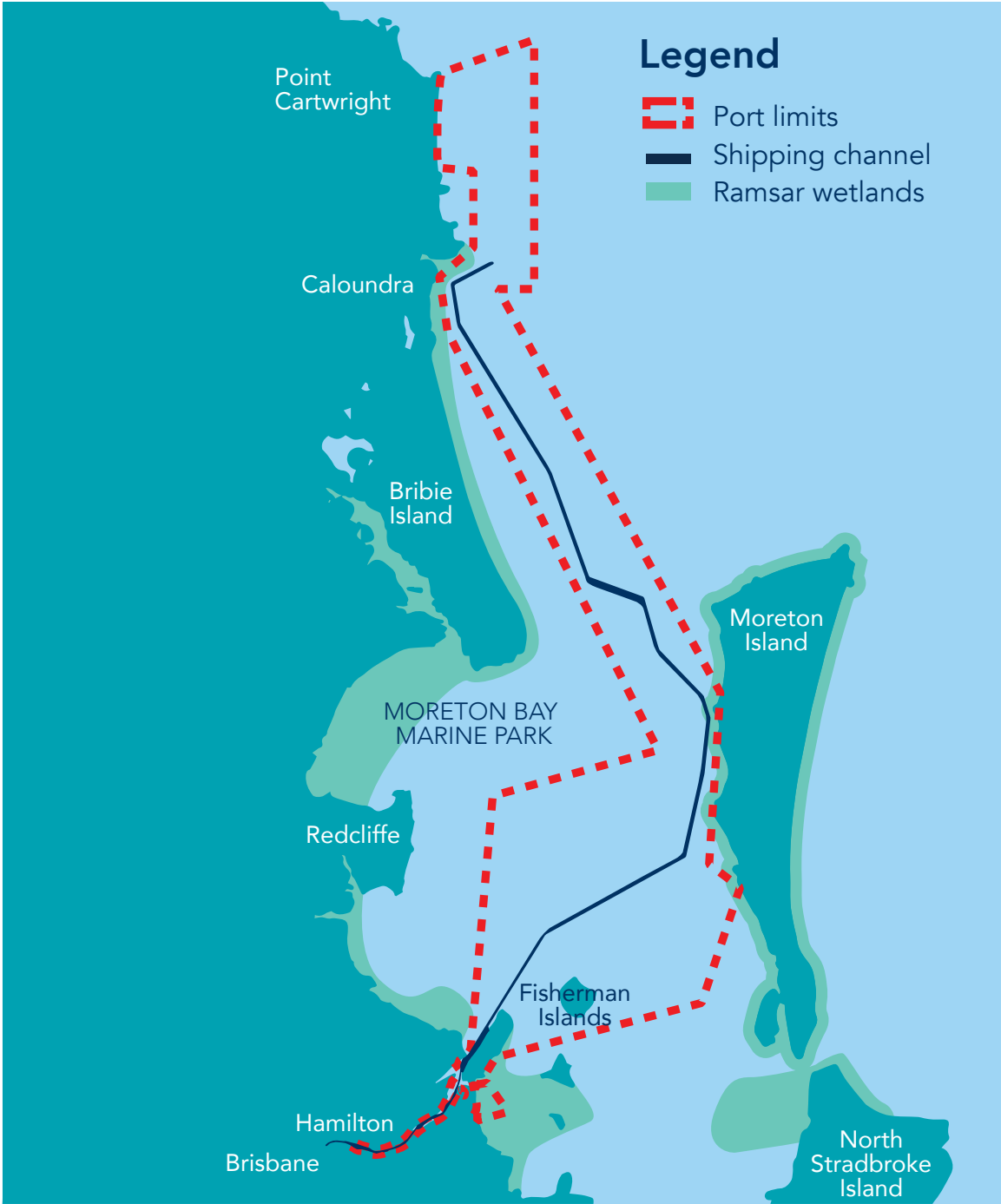
## Maps



# Road and rail connection



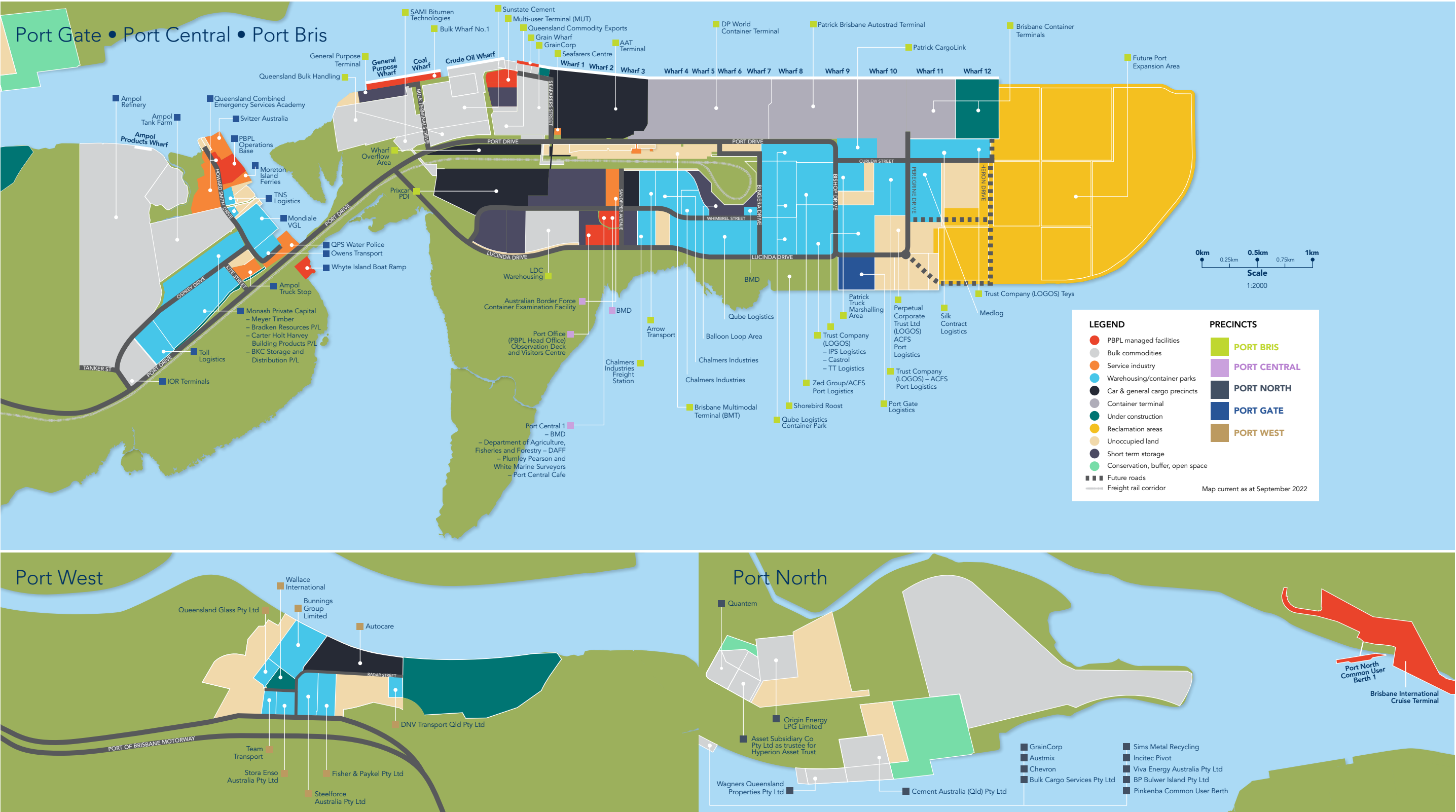
# Port limits



A full description of Port boundaries can be accessed via Maritime Safety Queensland's website:  
[www.msq.qld.gov.au/Shipping/Port-procedures/Port-procedures-brisbane](http://www.msq.qld.gov.au/Shipping/Port-procedures/Port-procedures-brisbane)



# Property tenant map







# PBPL contacts

PBPL can be contacted via the following:

- Telephone:**
- Port Operations: +61 7 3258 4888
  - Reception: +61 7 3258 4888 (Monday to Friday, 8:30am to 3:30pm, excluding public holidays)
  - Port Security: +61 7 3258 4601 (24 hours, seven days a week)
- Email:** info@portbris.com.au
- Website:** [www.portbris.com.au](http://www.portbris.com.au)

## Port of Brisbane Multimodal Terminal (BMT)

- Location:** Brisbane Multimodal Terminal  
52 Port Drive  
Port of Brisbane QLD 4178
- Telephone:** +61 7 3258 4860 or +61 7 3258 4856
- Email:** bmtera@portbris.com.au
- Website:** <https://www.portbris.com.au/operations-and-trade/port-facilities/brisbane-multimodal-terminal/>

- Opening hours:**
- Monday to Friday: 8.00am to 5.00pm
  - Saturday: As required
  - Sunday: Closed

Note: Operating hours are determined on rail schedules and demand and may change daily.

## Maritime Security Identification Card (MSIC) Office

- Location:** Brisbane Multimodal Terminal  
52 Port Drive  
Port of Brisbane QLD 4178
- Telephone:** 07 3258 4880
- Email:** msic.centre@msicapplications.com.au
- Website:** <https://www.portbris.com.au/operations-and-trade/port-facilities/weigh-bridge/>

- Opening hours:** 9.00am to 3.00pm Monday to Thursday  
(all applications are by appointment).

Note: Weighbridge pre-paid codes can be purchased in advance at the MSIC office within the Brisbane Multimodal Terminal (BMT) or by phoning 07 3258 4878 (between the hours of 9am and 3pm, Monday to Thursday). Customers can buy single or multiple codes.

Please visit the website or phone for further information.





Port Office, 3 Port Central Avenue, Port of Brisbane QLD 4178 | Locked Mail Bag 1818 Port of Brisbane QLD 4178

Telephone: +61 7 3258 4888 | Email: [info@portbris.com.au](mailto:info@portbris.com.au) | [www.portbris.com.au](http://www.portbris.com.au)

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