







## Key

- 1 Nobbys Headland
- 2 Port Authority of NSW
- 3 Port of Newcastle (Head Office)
- 4 West Basin 3 Berth
- 6 West Basin 4 Berth
- 6 East Basin 1 and 2 Berths
- 7 SVITZER Australia
- 8 Channel Berth
- 9 Dyke 1 Berth
- 10 Dyke 2 Berth
- 11 Dyke 4 and 5 Berths
- 12 Mayfield 4 Berth
- 13 BHP 6 Berth
- 14 Kooragang 2 Berth
- 15 Kooragang 2 Berth Extension (K2.5)
- 16 Kooragang 3 Berth
- 17 Kooragang 4, 5, 6 and 7 Berths
- 18 Kooragang 8, 9 and 10 Berths
- 19 North / South Rail Corridor
- 20 To Newcastle Airport
- 21 To M1 Motorway, Pacific Highway and New England Highway

-  Port of Newcastle Boundary as per the State Environmental Planning Policy (Three Ports)
-  Mayfield Site Boundary
-  Rail Lines
-  Industrial Drive / Pacific Highway

The Port of Newcastle is the largest bulk shipping port on the east coast of Australia and the world's leading coal export port. The Port is managed by Port of Newcastle under a long term lease. The lease includes responsibility for vessel scheduling, property management and port development, trade development, cruise shipping, dredging and survey, wharf and berth services, maintenance of major port assets, and pricing for associated services.

Infrastructure within the Port can handle all types of cargo, including dry bulk, bulk liquids, break bulk, project, passenger and containers.

Port of Newcastle manages 792 hectares of land within four defined precincts - Carrington, Mayfield, Walsh Point and Kooragang. 200 hectares of vacant port land with significant deep water access is available for development and to support future growth in trade.

# PORT OF NEWCASTLE – BERTH INFORMATION

## CARRINGTON PRECINCT

Berth	Details	Facilities	Cargo/Commodity	Operators
West Basin 3 4	Design depth: 11.6m Channel depth: 12.8m	4 ship loaders Loading height max: 17.1m Loading outreach max: 26.5m Travel distance: 213.4m Design throughput: 1,000tph	Grains Orange juice concentrate	Common user  Predominant user: GrainCorp
West Basin 4 5	Design depth: 11.6m Channel depth: 12.8m	Berth-face rail line 1.5ha wharf storage area Designed for heavy forklift axle loads	Machinery Project cargo General cargo / Containers Rail assets	Common user
East Basin 1 and 2 6	Design depth: 11.6m Channel depth: 12.8m	7,120m <sup>2</sup> storage shed 10,000m <sup>2</sup> uncovered stacking area Rail access	Break bulk General cargo / Containers	PATRICK  Predominant user: Kooragang Bulk Facilities
Channel Berth 8	Design depth: 9.7m Channel depth: 15.2m	Concrete dolphins on steel piles with interconnecting walkways	Cruise ships	Common user
Dyke 1 9	Design depth: 12.8m Channel depth: 15.2m	Concrete dolphins on steel piles with interconnecting walkways	Petroleum products	Common user  Predominant user: BP
Dyke 2 10	Design depth: 12.8m Channel depth: 15.2m	1 concentrates ship loader Travel distance: 115m Design throughput: 1,200tph Storage: 1 shed (60,000 tonnes capacity)  1 grain ship loader Travel distance: 155m Design throughput: 2,000tph Storage: 5 silos (60,000 tonnes capacity)	Mineral concentrates Grains	Common user  Predominant users: ConPorts Newcastle Agri Terminal
Dyke 4 and 5 11	Design depth: 16.5m Channel depth: 15.2m	2 shared ship loaders Design throughput: 2,500tph	Coal	Port Waratah Coal Services

## MAYFIELD PRECINCT

Berth	Details	Facilities	Cargo/Commodity	Operators
Mayfield 4 12	Design depth: 12.8m Channel depth: 15.2m Berth length is 265m	10,000m <sup>2</sup> concrete wharf area 10,000m <sup>2</sup> hardstand Heavy forklift axle loads	General cargo / Containers Project cargo Bulk fuels Machinery	Common user
BHP 6 13	Design depth: 7.9m Channel depth: 15.2m		Tar, pitch and creosote	Koppers Carbon Materials & Chemicals exclusive access

## PORT INFORMATION

- The Port of Newcastle is a river port with a tidal range of 2m. The main channel has a design depth of 15.2m.
- The current maximum sized vessel accommodated by the Port is 300m LOA and 50m beam.
- Operational depths (Channel and Berth) are as per promulgated by the Harbour Master, Port Authority of NSW. Actual depths (Channel and Berth) may differ. For more information on promulgated depths and up-to-date current depths refer to [www.newportcorp.com.au](http://www.newportcorp.com.au).
- Tanker vessel: LOA 190m, Beam 32.2m
- For more information on Port of Newcastle berths and facilities visit [www.portofnewcastle.com.au](http://www.portofnewcastle.com.au).

## WALSH POINT PRECINCT

Berth	Details	Facilities	Cargo/Commodity	Operators
Kooragang 2 14	Design depth: 11.6m Channel depth: 15.2m	2 gantry type grab unloaders  1 ship loader Storage area adjacent to berths	Bulk cargo Bulk liquids General cargo / Containers	Common user
Kooragang 2.5 15		Dolphins at either end allow 2 vessels to berth along Kooragang 2 (K2.5)		
Kooragang 3 16	Design depth: 13.5m Channel depth: 15.2m	2 pneumatic unloaders Design throughput: 550tph	Bulk cargo General cargo / Containers	Common user  Predominant user: Kooragang Bulk Facilities

## KOORAGANG PRECINCT

Berth	Details	Facilities	Cargo/Commodity	Operators
Kooragang 4, 5, 6 and 7 17	Design depth: 16.5m Channel depth: 15.2m	3 shared ship loaders Design throughput (each): 10,500tph	Coal	Port Waratah Coal Services
Kooragang 8, 9 and 10 18	Design depth: 16.5m Channel depth: 15.2m	2 shared ship loaders Design throughput: 10,500tph	Coal	Newcastle Coal Infrastructure Group

## CONCRETE BERTH MAXIMUM ALLOWABLE LOADINGS

Berth	Crane outrigger (tonnes)			Vehicle axle groups (tonnes/group)			FORKLIFT FRONT AXLE (Tonne / Axle)	FORKLIFT REAR AXLE (Tonne / Axle)	UNIFORM LOAD ON WHARF SLAB (Tonnes / m <sup>2</sup> )	
	SLAB MID SPAN	BEAM MID SPAN	OVER PILES	SINGLE	TANDEM	TRI AXLE			For Slab Capacity	For Beam Capacity
Channel Berth Dolphin	9	40	80	10	16	20	9	10	1.5	2.5
Channel Berth Road Bridge	N/A	N/A	N/A	5	N/A	N/A	4-5	5	0.5	0.5
Dyke 1 and 2 Dolphins	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Pedestrians only	Pedestrians only
Dyke 1 and 2 Roadbridge	N/A	N/A	N/A	6	N/A	N/A	5	6	1	1
East Basin 1 and 2	30	55	60	40	50	60	35	40	4.5	4.5
West Basin 3 and 4	50	70	140	60	75	90	55	60	7.5	7.5
Kooragang 2	20	35	100	33	35	40	30	33	3	3
Kooragang 2.5	N/A	N/A	N/A	18	18	18	12	5	5	5
Kooragang 3	40	50	115	50	60	75	45	50	4.5	4.5
Mayfield 4	100	100	100	100	100	100	90	100	4.5	4.5
Mayfield 4 West	9	12	45	10	12	14	9	10	0.75	0.75