BERTH INFORMATION

PORT of NEWCASTLE

CARRINGTON PRECINCT

Berth	Details	Facilities	Cargo/Commodity	Operators
West Basin 3 1	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 2	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 3	Design depth: 11.6m Channel depth:12.8m	7,120m² storage shed 10,000m² uncovered stacking area Rail access	Break bulk General cargo Containers	Linx Cargo Care
Channel Berth 5	Design depth: 9.7m Channel depth: 15.2m	Concrete dolphins on steel piles with interconnecting walkways	Cruise ships	Common user Cruise Terminal due for completion in 2018.
Dyke 1 6	Design depth: 12.8m Channel depth: 15.2m	Concrete dolphins on steel piles with interconnecting walkways	Petroleum products	Common user Predominant user: ATOM
Dyke 2 7	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 8	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 9	Design depth: 12.8m Channel depth: 15.2m Berth length is 265m	10,000m² concrete wharf area 10,000m² hardstand Heavy forklift axle loads Close proximity to 12H hardstand storage area	General cargo Containers Project cargo Machinery	Common user
BHP 6 10	Design depth: 7.9m Channel depth: 15.2m			
Mayfield 7 11	Design depth: 14m Channel depth: 15.2m Up to LR2 Class capability	300m sheet pile combination wall Wharf platform with concrete deck Marine loading arms	Bulk liquids Tar, pitch and creosote	Stolthaven Koppers Carbon Materials & Chemicals exclusive acces

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.portauthoritynsw.com.au**
- Tanker vessel: LR2 - 243m, Beam 43m
- For more information on Port of Newcastle berths and facilities visit **www.portofnewcastle.com.au.**

WALSH POINT PRECINCT

Berth	Details	Facilities	Cargo/ Commodity	Operators
Kooragang 2 15	Design depth: 11.6m Channel depth: 15.2m	2 gantry type grab unloaders 1 ship loader Storage area adjacent to berths Dolphins at either end allow 2 vessels to berth along Kooragang 2 (K2.5)	Bulk cargo Bulk liquids General cargo Containers	Common user New state-of-the-art crane and conveyor infrastructure due for completion in 2019.
Kooragang 3 16	Design depth: 13.5m Channel depth: 15.2m	2 pneumatic unloaders Design throughput: 550tph	Bulk cargo General cargo Containers	Common user

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

PORT OF NEWCASTLE CONCRETE BERTH MAXIMUM ALLOWABLE LOADINGS

BERTH	CRANE OUTRIGGER (TONNES)[1]			VEHICLE AXLE GROUPS (TONNES/GROUP)			FORKLIFT FRONT AXLE (Tonne / Axle)	FORKLIFT REAR AXLE (Tonne / Axle)	UNIFORM LOAD ON WHARF SLAB (Tonnes / m²)	
	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	1	1
Dyke 1 and 2 Roadbridge	N/A	N/A	N/A	6	N/A	N/A	5	6	Pedestrians only	Pedestrians only
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
BHP 6	9	12	45	10	12	14	9	10	0.75	0.75

[1] All outrigger loads are to be loaded on a minimum 1.2m x 1.2m of suitable dunnage.