



PORT LOAD CHART

About the Port Load Chart

The Port Load Chart is intended to provide guidance on the maximum allowable loads permitted on wharves, piers and shed floors at PoM owned facilities within the Port of Melbourne. The details are correct at time of publication but may be subject to variation.

Revisions and Updates

The Port Load Chart will be revised and updated on a regular basis. The latest version will be on the Port of Melbourne Operations web site www.portofmelbourne.com. It is the responsibility of persons using this chart to ensure that they are referring to the latest version.

Load Categories

The Port Load Chart is only applicable to the standard load categories defined below and in the Standard Loads Diagram – Attachment 1.

Single Axle Load

The maximum single axle load (except fork lifts) is shown in Column A of the Chart. Axles must be a minimum of 2.4 m apart to be considered single axles. (Note: VicRoads maximum 9 tonne for standard road registered vehicles)

Tandem Axle Group Load

The maximum tandem axle group load is shown in Column B of the Chart. Axles must be a minimum of 1.2 m apart within the group. (Note: VicRoads maximum 16.5 tonne for standard road registered vehicles)

Tri-Axle Group Load

The maximum tri-axle group load is shown in Column C of the Chart. Axles must be a minimum of 1.2 m apart within the group. (Note: VicRoads maximum 20 tonne for standard road registered vehicles)

Forklift Front Axle Load

The maximum load on a forklift front axle is shown in Column D of the Chart. Forklifts may exceed the loads shown in Column A, provided the following conditions are met:

- The forklift keeps at least 6 m from all other vehicles except the one that is being loaded.
- The maximum axle load does not exceed the amount shown in Column D.



Uniformly Spread Load

The maximum uniformly spread load from cargo stacking over a large area is shown in Column E. This may be exceeded over a small area provided the equivalent axle group load is not exceeded.

Cranes

The maximum crane outrigger loads, with load spreading pads 1 m x 1 m, shall not exceed half of the maximum load detailed in Column D. Higher loads may be approved for larger approved load spreading devices, refer to Non-Standard Loads.

General

The above axle loads are based on dual tyred wheels (i.e., 4 tyres per axle). Where single tyred wheels (i.e. 2 tyres per axle) are used, then axle loads shall not exceed the registered load capacity.

Axle loads include the weight of wheels etc. Where spacing's are less than the above limits, allowable loads shall be reduced proportionately.

Non-Standard Loads

The above loads are standard design loads for the respective areas. For further information, including the non-standard loads approval process, please go to: <https://www.portofmelbourne.com/facilities-development/use-of-port-facilities/> and email details to standload@portofmelbourne.com. At least 2 weeks' notice is normally required for non-standard load approval. However, 4 weeks' notice may be needed for more complex loads that require a higher level of planning. Typically, the complexity cannot be determined until after the assessment has started. A Non-Standard Load assessment may be required for other PoM assets (PoM pavements, roadways, bridges, culverts, etc.) that are not currently included within the Port Load Chart. This is for all non-standard load lift arrangements that may occur on PoM assets (including but not limited to: multi-platform trailers, OSOM vehicles, mobile and crawler cranes etc.).

No-Load Zone

Pedestrian loads only.

No-Go Zone

No live loads within area (including pedestrians).

Port Load Charts

The maximum standard loads permitted on wharves, piers and shed floors are shown in the following Port Load Chart. For wharf, shed floor and pavement areas (PoM assets) currently not included in the Port Load Chart, please contact PoM for further information.



BERTH No./LOCATION	COL. A SINGLE AXLE (T)	COL. B TANDEM AXLE (T)	COL. C TRI- AXLE (T)	COL. D FORK LIFT (T)	COL. E SPREAD LOADS (T/SQ.m)
SWANSON DOCK West					
All Berths	32	52	52	100	4.5
SWANSON DOCK East					
All Berths	32	52	52	100	4.5
VICTORIA DOCK					
Berth 24 Wharf apron	20	32	48	50	2.5
Berth 24 Shed floor	14	24	30	20	3
Berth 23 Wharf apron	20	32	48	50	2.5
SOUTH WHARF					
24 Wharf loading ramp Except 2.5 m from the nib's edge (between chainage 244 to 241 m & 203 to 206 m) which cannot accept any live load	14	24	30	20	4
26 Wharf (Chainage 515 m to 792 m)					
• Wharf apron chainage 515 to 590 m	Under Construction				
• Area within 3.7m from wharf face (chainage 590 to 792 m)	1	NIL	NIL	NIL	NIL
• Area between 3.7m and 7m from wharf face (590 to 792m)	9	16.5	20	9	1
• Beyond 7m chainage 590 to 792 m	9	16.5	20	20	1
• Raised concrete deck, landings, berth dolphins	14	16.5	16.5	14	1.25
27 Wharf (Chainage 0 m to 210 m)					
• Wharf apron	9	16.5	20	20	1
• Shed Floor	9	16.5	20	20	3
28 Wharf (Chainage 210 m to 293 m)					
• Within 6 m of wharf face	2	NIL	NIL	NIL	NIL
• Between 6 m to 14 m of wharf face	16	20	30	20	1.25
• Former shed floor	16	20	30	20	3
29 Wharf (Chainage 293 m to 440 m)					
• Within 6 m of wharf face	2	NIL	NIL	NIL	NIL
• Between 6 m to 14 m of wharf face	16	20	30	20	1.25
• Former shed floor	16	20	30	20	3
30 Wharf Concrete Section (Chainage 440 m to 632 m)					
• Chainage 440m to 547m concrete section - apron-rear section	Under Construction (Light vehicles only)				
• Chainage 547m to 632 m Timber piled section - apron-rear	Pedestrians only				
• Shed floor	TBA – Under Assessment				
31 Wharf (Chainage 632 m to 759 m)					
• Apron	Under Construction				
• Shed floor	Under Construction				
32 Wharf apron	9	16.5	20	20	1.5
33 Wharf	20	32	36	20	1
NO. 1 MARIBYRNONG					
Pier head	4.2	10	15	5	0.4
Vehicular approaches	9	16.5	20	9	1.0
ANN STREET PIER					
• Main Wharf	Pedestrians only				



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• Cross Wharf (general area including behind sheet pile wall)	Pedestrians only				
• Cross Wharf (New Hardstand)	9	16.5	20	35	1.5
• Small Boat Jetty	Pedestrians only				

BERTH No./LOCATION	COL. A SINGLE AXLE (T)	COL. B TANDEM AXLE (T)	COL. C TRI- AXLE (T)	COL. D FORK LIFT (T)	COL. E SPREAD LOADS (T/SQ.m)
APPLETON DOCK					
B, C, D & E Appleton Dock Wharves - No load within the following areas; <ul style="list-style-type: none"> • Front 1.8 m width of wharf, with the exception of bulk cargo hoppers which may be located a minimum of 1.2 m from the wharf edge. 					
B & C Appleton Dock (tired vehicles only)					
• Apron (laden containers on trailers only)	20	32	48	36	3
• Former shed floor	20	20	20	20	3
D Appleton Dock (tired vehicles only)					
• Apron (laden containers on trailers only)	20	32	48	36	3
• Former shed floor	20	20	20	30	3
E Appleton Dock					
• Apron (laden containers on trailers only)	20	32	48	36	3
• Stacking area – Laden containers 1 high, empty containers 2	20	32	48	60	5
F Wharf apron – No load within the following areas: <ul style="list-style-type: none"> • Front 1.8 m width of wharf • Section of wharf between 19 m and 26 m from the front edge of the wharf • Within 6 m of grain shiploader wheels, with the exception of one T44 truck only 	20	32	48	50	3
HOLDEN OIL DOCK					
Pier head & vehicular approaches	9	16.5	20	9	0.5
YARRAVILLE					
5 Wharf apron	Refer to berth operator for details				
6 Wharf	Pedestrians only				
• Wharf apron (Additional restrictions apply, see Notes)	Pedestrians only				
• Area within 6m behind sheet pile wall	2	NIL	NIL	NIL	NIL
• Area between 6m and 15m behind sheet pile wall	9	16.5	20	9	NIL
GELLIBRAND PIER					
• Roadway (Except Approach Ramp)	9	16.5	20	9	0.9
• Approach Ramp	9	13	15	9	0.9
• Pier head	14	16.5	20	14	3
BREAKWATER PIER					
• Chainage 0 to 116 m	2	NIL	NIL	NIL	NIL



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BERTH No./LOCATION	COL. A	COL. B	COL. C	COL. D	COL. E
	SINGLE AXLE (T)	TANDEM AXLE (T)	TRI- AXLE (T)	FORK LIFT (T)	SPREAD LOADS (T/SQ.m)
WEBB DOCK EAST					
1 Wharf apron	10	20	20	20	1
1 Stern approach	35	70	70	80	3
2 Wharf apron	Under Construction				
2 Stern approach	32	52	52	50	3
3 Stern approach & wharf	2	NIL	NIL	NIL	0.5
4 Webb Dock East					
• Wharf apron	40	60	60	120	3
• Terminal Pavement (between 0 m and 16 m from rear of wharf apron)					3.5
• Terminal Pavement (between 16 m and 62 m from rear of wharf apron)					5
5 Webb Dock East					
• Wharf apron	40	60	60	120	3
• Terminal Pavement (between 0 m and 16 m from rear of wharf apron)					3.5
• Terminal Pavement (between 16 m and 62 m from rear of wharf apron)					5
WEBB DOCK WEST					
1 Wharf apron	40	60*	60*	120	5
2 Wharf apron	40	60*	60*	120	5
3 Wharf apron	40	60*	60*	120	5
	* can be increased with restrictions				
SHORT ROAD					
Tug Berths	11.6	11.6	11.6	11.6	1
Wharf	1	NIL	NIL	NIL	NIL
• Chainage 110 to 200m - Light vehicles (Max 2t) only within 4m of wharf edge					
• Chainage 10 to North end of wharf - Light vehicles (Max 2t) only within 4 m of wharf edge	1	NIL	NIL	NIL	NIL
• Area within 11m from wharf face	8	13	18	10	1
• Behind wharf area	9	16.5	20	30	3
• Load Out Pads 1 & 2	9	16.5	20	30	3
• Load Out Pads 1 m edge	9	16.5	20	22	3
• Temporary Load Out Facility	11	17	TBC	TBC	TBC

Notes:

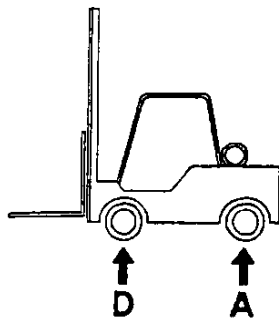
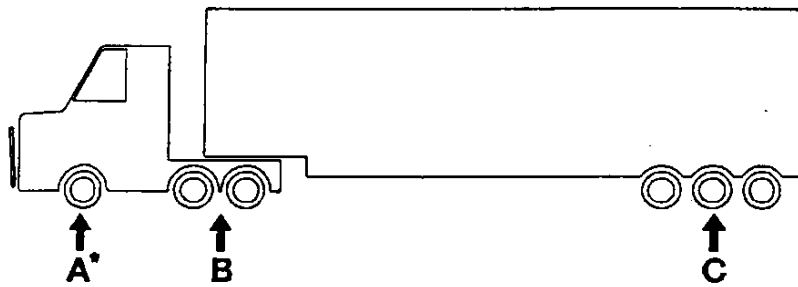
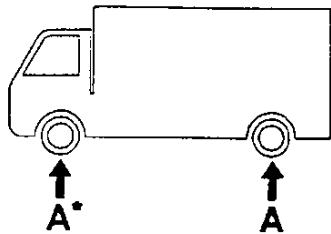
Yarraville 6 Operational Restrictions:

- The storage of materials or equipment on the wharf or within 15m behind sheet pile wall is strictly prohibited.
- Pedestrian access only on wharf structure.
- No truck queuing allowed between 6m and 15m behind the sheet pile wall.



Attachment 1

Standard Load Diagram



A = SINGLE AXLE

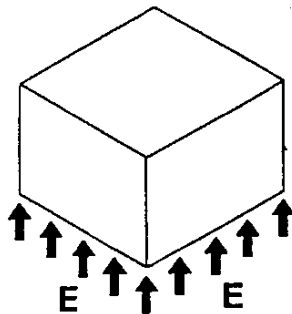
B = TANDEM AXLE

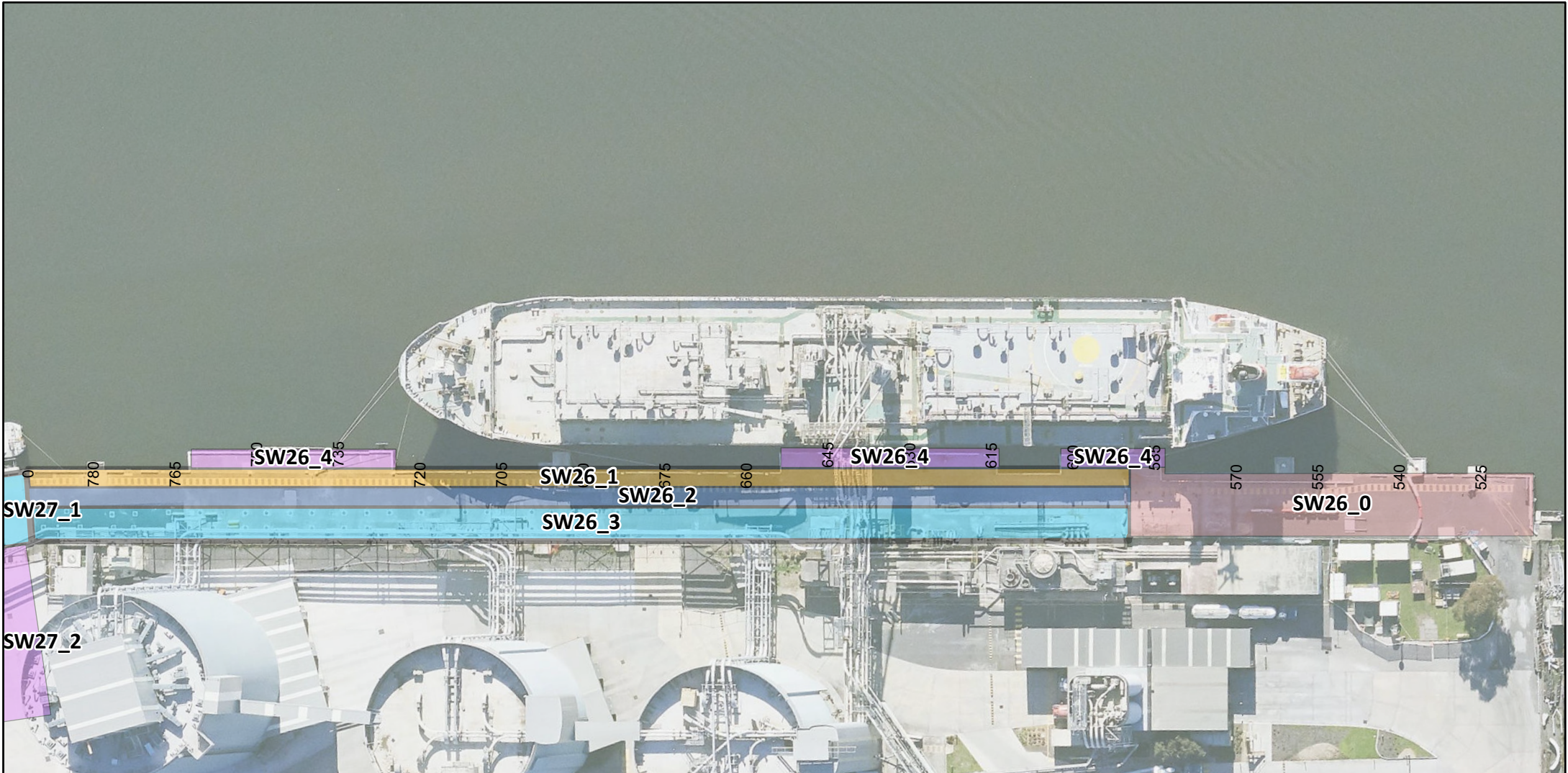
C = TRI-AXLE

D = FORK LIFT

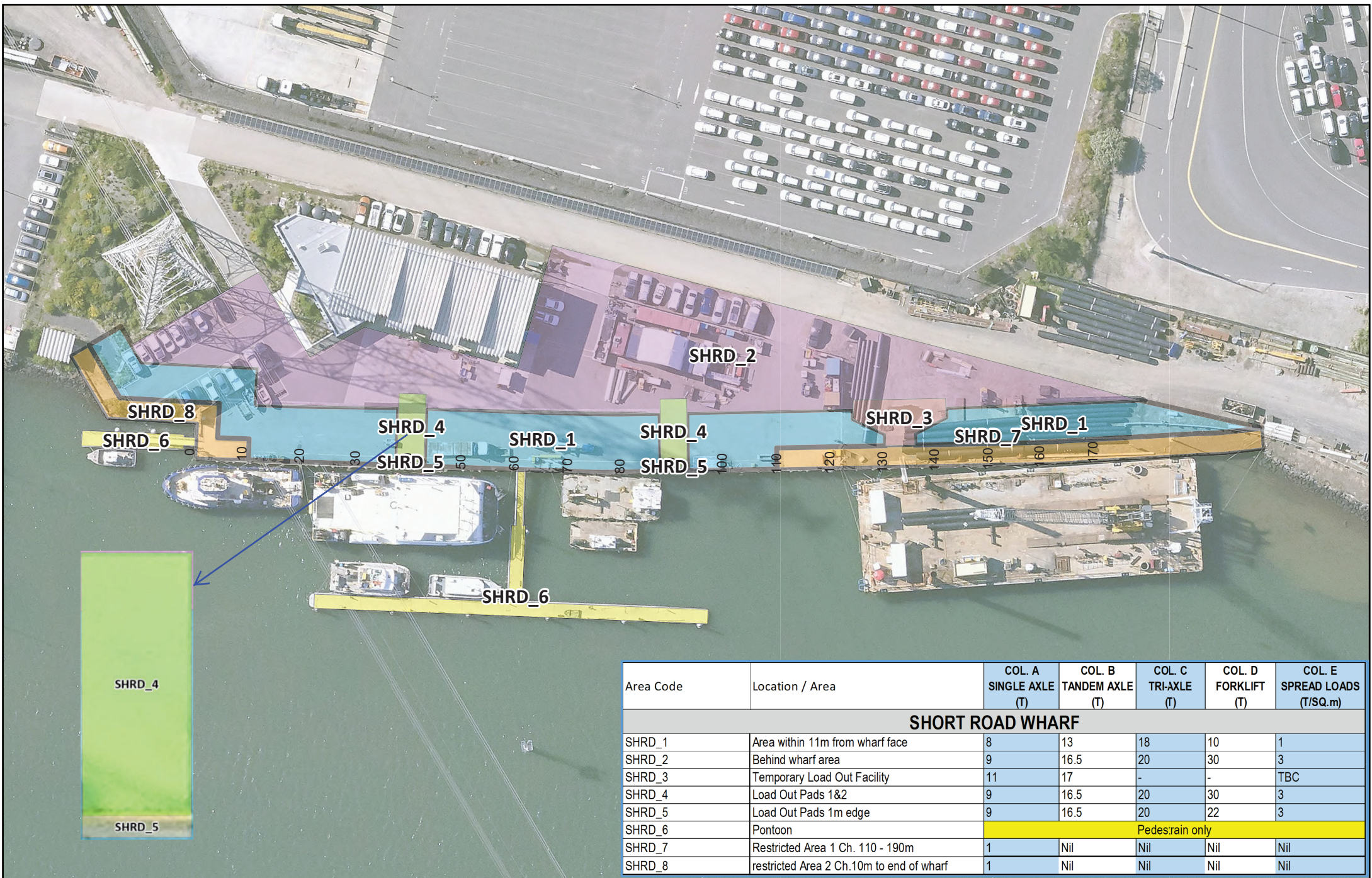
E = UNIFORM LOAD

*** = AXLES WITH ONLY 2 TYRES MAY BE LIMITED - SEE NOTES.**





Area Code	Location / Area	COL. A SINGLE AXLE (T)	COL. B TANDEM AXLE (T)	COL. C TRI-AXLE (T)	COL. D FORKLIFT (T)	COL. E SPREAD LOADS (T/SQ.m)
SOUTH WAHRF 26						
SW26_0	Wharf apron chainage 515 to 592 m (Timber Section)	TBA - Under Construction				
SW26_1	Within 3.7m from Wharf face (Ch.592 to 792)	1.0	NIL	NIL	NIL	NIL
SW26_2	Area between 3.7m and 7m from wharf face	9.0	16.5	20.0	9.0	1.00
SW26_3	Beyond 7m from wharf face	9.0	16.5	20.0	20.0	1.00
SW26_4	Raised concrete deck, landings, berth dolphins	14.0	16.5	16.5	14.0	1.25



Area Code	Location / Area	COL. A SINGLE AXLE (T)	COL. B TANDEM AXLE (T)	COL. C TRI-AXLE (T)	COL. D FORKLIFT (T)	COL. E SPREAD LOADS (T/SQ.m)
SHORT ROAD WHARF						
SHRD_1	Area within 11m from wharf face	8	13	18	10	1
SHRD_2	Behind wharf area	9	16.5	20	30	3
SHRD_3	Temporary Load Out Facility	11	17	-	-	TBC
SHRD_4	Load Out Pads 1&2	9	16.5	20	30	3
SHRD_5	Load Out Pads 1m edge	9	16.5	20	22	3
SHRD_6	Pontoon	Pedesrain only				
SHRD_7	Restricted Area 1 Ch. 110 - 190m	1	Nil	Nil	Nil	Nil
SHRD_8	restricted Area 2 Ch.10m to end of wharf	1	Nil	Nil	Nil	Nil

Port Load Chart - Short Road Wharf

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