

APPENDIX 19C

VISUAL SIMULATIONS 1-17

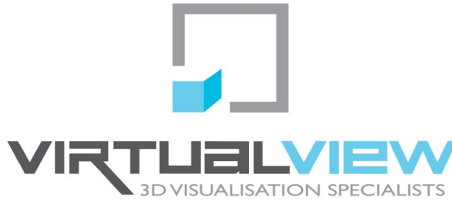
MBIE - Shipyard Project - Photo Simulations

Viewpoint Location Map



MBIE - Shipyard Project Marsden Point, Whangārei

- Viewpoint 01
Taurikura Bay
(E)378869.649 (N)916568.071
- Viewpoint 02
Reotahi
(E)375876.746 (N)916850.645
- Viewpoint 03
McLeod Bay
(E)376197.271 (N)919470.503
- Viewpoint 04
Manganese Point
(E)369990.884 (N)920491.237
- Viewpoint 05
Takahiwi Road
(E)366722.604 (N)916110.070
- Viewpoint 06
One Tree Point Road
(E)372344.953 (N)917277.045
- Viewpoint 07
Marsden Bay Drive Reserve
(E)373508.428 (N)915923.025
- Viewpoint 08
Albany Road Beachfront
(E)373901.324 (N)915794.830





Viewpoint 01 - Existing

Ship Location	Proposed	Scenario 001	Scenario 002	Scenario 003
Shiplift/Dry Dock	200m Bulk Carrier	200m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	150m Bulk Carrier
Finger Berth	185m Bulk Carrier		45m Ferry Vessel	200m Bulk Carrier
Land Berth	150m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	200m Bulk Carrier	
White Boat Area	45m Ferry Vessel	45m Ferry Vessel	38m Yacht 30m Yacht 30m Sail Boat	38m Yacht 30m Yacht 30m Sail Boat



Viewpoint 01 - Proposed



Easting: 378869.649
Northing: 916568.071
Elevation : 15.322m
Height of Camera : 1.5m
Orientation of View : W
Date of Photography : 14 May 2026
Time of Photography : 10:24am

MBIE - Shipyard Project
Viewpoint 01 - Taurikura Bay

NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.
Dashed white line indicates cropped viewpoint portion.

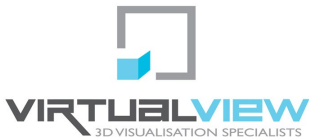
Version info: 0001
Date Printed: 03-07-2026





Viewpoint 01 - Existing

IMAGE TO BE VIEWED AT 50cm FROM EYE FOR CORRECT VIEWING SCALE WHEN PRINTED AT A3



Easting: 378869.649
Northing: 916568.071
Elevation : 15.322m
Height of Camera : 1.5m
Orientation of View : W
Date of Photography : 14 May 2026
Time of Photography : 10:24am

MBIE - Shipyard Project
Viewpoint 01 - Taurikura Bay

NOTES: All photos were taken by Virtual View with a Canon
5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.

Version info: 0001
Date Printed: 03-07-2026





Ship Location	Proposed	Scenario 001	Scenario 002	Scenario 003
Shiplift/Dry Dock	200m Bulk Carrier	200m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	150m Bulk Carrier
Finger Berth	185m Bulk Carrier		45m Ferry Vessel	200m Bulk Carrier
Land Berth	150m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	200m Bulk Carrier	
White Boat Area	45m Ferry Vessel	45m Ferry Vessel	38m Yacht 30m Yacht 30m Sail Boat	38m Yacht 30m Yacht 30m Sail Boat

Viewpoint 01 - Proposed

IMAGE TO BE VIEWED AT 50cm FROM EYE FOR CORRECT VIEWING SCALE WHEN PRINTED AT A3



Easting: 378869.649
Northing: 916568.071
Elevation : 15.322m
Height of Camera : 1.5m
Orientation of View : W
Date of Photography : 14 May 2026
Time of Photography : 10:24am

MBIE - Shipyard Project
Viewpoint 01 - Taurikura Bay

NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.

Version info: 0001
Date Printed: 03-07-2026





Viewpoint 02 - Existing

Ship Location	Proposed	Scenario 001	Scenario 002	Scenario 003
Shiplift/Dry Dock	200m Bulk Carrier	200m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	150m Bulk Carrier
Finger Berth	185m Bulk Carrier		45m Ferry Vessel	200m Bulk Carrier
Land Berth	150m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	200m Bulk Carrier	
White Boat Area	45m Ferry Vessel	45m Ferry Vessel	38m Yacht 30m Yacht 30m Sail Boat	38m Yacht 30m Yacht 30m Sail Boat



Viewpoint 02 - Proposed



Easting: 375876.746
Northing: 916850.645
Elevation : 2.9m
Height of Camera : 1.5m
Orientation of View : SW
Date of Photography : 14 May 2026
Time of Photography : 10:53am

MBIE - Shipyard Project
Viewpoint 02 - Reotahi

NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.
Dashed white line indicates cropped viewpoint portion.

Version info: 0001
Date Printed: 03-07-2026





Viewpoint 02 - Existing

IMAGE TO BE VIEWED AT 50cm FROM EYE FOR CORRECT VIEWING SCALE WHEN PRINTED AT A3

 VIRTUALVIEW 3D VISUALISATION SPECIALISTS	Easting: 375876.746 Northing: 916850.645 Elevation : 2.9m Height of Camera : 1.5m Orientation of View : SW Date of Photography : 14 May 2026 Time of Photography : 10:53am	MBIE - Shipyard Project Viewpoint 02 - Reotahi	NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens. Photo positions were surveyed by Jason Blair. Version info: 0001 Date Printed: 03-07-2026	 MINISTRY OF BUSINESS, INNOVATION & EMPLOYMENT HIKINA WHAKATUTUKI
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Ship Location	Proposed	Scenario 001	Scenario 002	Scenario 003
Shiplift/Dry Dock	200m Bulk Carrier	200m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	150m Bulk Carrier
Finger Berth	185m Bulk Carrier		45m Ferry Vessel	200m Bulk Carrier
Land Berth	150m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	200m Bulk Carrier	
White Boat Area	45m Ferry Vessel	45m Ferry Vessel	38m Yacht 30m Yacht 30m Sail Boat	38m Yacht 30m Yacht 30m Sail Boat

Viewpoint 02 - Proposed

IMAGE TO BE VIEWED AT 50cm FROM EYE FOR CORRECT VIEWING SCALE WHEN PRINTED AT A3



Easting: 375876.746
Northing: 916850.645
Elevation : 2.9m
Height of Camera : 1.5m
Orientation of View : SW
Date of Photography : 14 May 2026
Time of Photography : 10:53am

MBIE - Shipyard Project
Viewpoint 02 - Reotahi

NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.

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Viewpoint 03 - Existing

Ship Location	Proposed	Scenario 001	Scenario 002	Scenario 003
Shiplift/Dry Dock	200m Bulk Carrier	200m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	150m Bulk Carrier
Finger Berth	185m Bulk Carrier		45m Ferry Vessel	200m Bulk Carrier
Land Berth	150m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	200m Bulk Carrier	
White Boat Area	45m Ferry Vessel	45m Ferry Vessel	38m Yacht 30m Yacht 30m Sail Boat	38m Yacht 30m Yacht 30m Sail Boat



Viewpoint 03 - Proposed



Easting: 376197.271
Northing: 919470.503
Elevation : 5.261m
Height of Camera : 1.5m
Orientation of View : SW
Date of Photography : 14 May 2026
Time of Photography : 11:39am

MBIE - Shipyard Project
Viewpoint 03 - McLeod Bay

NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.
Dashed white line indicates cropped viewpoint portion.

Version info: 0001
Date Printed: 03-07-2026





Viewpoint 03 - Existing

IMAGE TO BE VIEWED AT 50cm FROM EYE FOR CORRECT VIEWING SCALE WHEN PRINTED AT A3

 VIRTUALVIEW 3D VISUALISATION SPECIALISTS	Easting: 376197.271 Northing: 919470.503 Elevation : 5.261m Height of Camera : 1.5m Orientation of View : SW Date of Photography : 14 May 2026 Time of Photography : 11:39am	MBIE - Shipyard Project Viewpoint 03 - McLeod Bay	NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens. Photo positions were surveyed by Jason Blair. Version info: 0001 Date Printed: 03-07-2026	 MINISTRY OF BUSINESS, INNOVATION & EMPLOYMENT HIKINA WHAKATUTUKI
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Ship Location	Proposed	Scenario 001	Scenario 002	Scenario 003
Shiplift/Dry Dock	200m Bulk Carrier	200m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	150m Bulk Carrier
Finger Berth	185m Bulk Carrier		45m Ferry Vessel	200m Bulk Carrier
Land Berth	150m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	200m Bulk Carrier	
White Boat Area	45m Ferry Vessel	45m Ferry Vessel	38m Yacht 30m Yacht 30m Sail Boat	38m Yacht 30m Yacht 30m Sail Boat

Viewpoint 03 - Proposed

IMAGE TO BE VIEWED AT 50cm FROM EYE FOR CORRECT VIEWING SCALE WHEN PRINTED AT A3



VIRTUALVIEW
3D VISUALISATION SPECIALISTS

Easting: 376197.271
Northing: 919470.503
Elevation : 5.261m
Height of Camera : 1.5m
Orientation of View : SW
Date of Photography : 14 May 2026
Time of Photography : 11:39am

MBIE - Shipyard Project
Viewpoint 03 - McLeod Bay

NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.

Version info: 0001
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Viewpoint 04 - Existing

Ship Location	Proposed	Scenario 001	Scenario 002	Scenario 003
Shiplift/Dry Dock	200m Bulk Carrier	200m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	150m Bulk Carrier
Finger Berth	185m Bulk Carrier		45m Ferry Vessel	200m Bulk Carrier
Land Berth	150m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	200m Bulk Carrier	
White Boat Area	45m Ferry Vessel	45m Ferry Vessel	38m Yacht 30m Yacht 30m Sail Boat	38m Yacht 30m Yacht 30m Sail Boat



Viewpoint 04 - Proposed



Easting: 369990.884
Northing: 920491.237
Elevation : 30.595m
Height of Camera : 1.5m
Orientation of View : SE
Date of Photography : 14 May 2026
Time of Photography : 12:48pm

MBIE - Shipyard Project
Viewpoint 04 - Manganese Point

NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.
Dashed white line indicates cropped viewpoint portion.

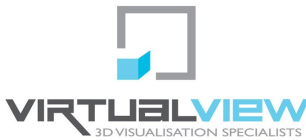
Version info: 0001
Date Printed: 03-07-2026





Viewpoint 04 - Existing

IMAGE TO BE VIEWED AT 50cm FROM EYE FOR CORRECT VIEWING SCALE WHEN PRINTED AT A3



Easting: 369990.884
Northing: 920491.237
Elevation : 30.595m
Height of Camera : 1.5m
Orientation of View : SE
Date of Photography : 14 May 2026
Time of Photography : 12:48pm

MBIE - Shipyard Project
Viewpoint 04 - Manganese Point

NOTES: All photos were taken by Virtual View with a Canon
5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.

Version info: 0001
Date Printed: 03-07-2026





Ship Location	Proposed	Scenario 001	Scenario 002	Scenario 003
Shiplift/Dry Dock	200m Bulk Carrier	200m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	150m Bulk Carrier
Finger Berth	185m Bulk Carrier		45m Ferry Vessel	200m Bulk Carrier
Land Berth	150m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	200m Bulk Carrier	
White Boat Area	45m Ferry Vessel	45m Ferry Vessel	38m Yacht 30m Yacht 30m Sail Boat	38m Yacht 30m Yacht 30m Sail Boat

Viewpoint 04 - Proposed

IMAGE TO BE VIEWED AT 50cm FROM EYE FOR CORRECT VIEWING SCALE WHEN PRINTED AT A3



Easting: 369990.884
Northing: 920491.237
Elevation : 30.595m
Height of Camera : 1.5m
Orientation of View : SE
Date of Photography : 14 May 2026
Time of Photography : 12:48pm

MBIE - Shipyard Project
Viewpoint 04 - Manganese Point

NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.

Version info: 0001
Date Printed: 03-07-2026





Viewpoint 05 - Existing

Ship Location	Proposed	Scenario 001	Scenario 002	Scenario 003
Shiplift/Dry Dock	200m Bulk Carrier	200m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	150m Bulk Carrier
Finger Berth	185m Bulk Carrier		45m Ferry Vessel	200m Bulk Carrier
Land Berth	150m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	200m Bulk Carrier	
White Boat Area	45m Ferry Vessel	45m Ferry Vessel	38m Yacht 30m Yacht 30m Sail Boat	38m Yacht 30m Yacht 30m Sail Boat



Viewpoint 05 - Proposed



Easting: 366722.604
Northing: 916110.070
Elevation : 82.513m
Height of Camera : 1.5m
Orientation of View : E
Date of Photography : 14 May 2026
Time of Photography : 15:53pm

MBIE - Shipyard Project
Viewpoint 05 - Takahiwai Road

NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.
Dashed white line indicates cropped viewpoint portion.

Version info: 0001
Date Printed: 03-07-2026





Viewpoint 05 - Existing

IMAGE TO BE VIEWED AT 50cm FROM EYE FOR CORRECT VIEWING SCALE WHEN PRINTED AT A3

 VIRTUALVIEW 3D VISUALISATION SPECIALISTS	Easting: 366722.604 Northing: 916110.070 Elevation : 82.513m Height of Camera : 1.5m Orientation of View : E Date of Photography : 14 May 2026 Time of Photography : 15:53pm	MBIE - Shipyard Project Viewpoint 05 - Takahiwai Road	NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens. Photo positions were surveyed by Jason Blair. Version info: 0001 Date Printed: 03-07-2026	 MINISTRY OF BUSINESS, INNOVATION & EMPLOYMENT HIKINA WHAKATUTUKI
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Ship Location	Proposed	Scenario 001	Scenario 002	Scenario 003
Shiplift/Dry Dock	200m Bulk Carrier	200m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	150m Bulk Carrier
Finger Berth	185m Bulk Carrier		45m Ferry Vessel	200m Bulk Carrier
Land Berth	150m Bulk Carrier	70m Navy Vessel 40m Ferry Vessel	200m Bulk Carrier	
White Boat Area	45m Ferry Vessel	45m Ferry Vessel	38m Yacht 30m Yacht 30m Sail Boat	38m Yacht 30m Yacht 30m Sail Boat

Viewpoint 05 - Proposed

IMAGE TO BE VIEWED AT 50cm FROM EYE FOR CORRECT VIEWING SCALE WHEN PRINTED AT A3



Easting: 366722.604
Northing: 916110.070
Elevation : 82.513m
Height of Camera : 1.5m
Orientation of View : E
Date of Photography : 14 May 2026
Time of Photography : 15:53pm

MBIE - Shipyard Project
Viewpoint 05 - Takahiwai Road

NOTES: All photos were taken by Virtual View with a Canon 5Dmk2 and a 50mm lens.
Photo positions were surveyed by Jason Blair.

Version info: 0001
Date Printed: 03-07-2026

