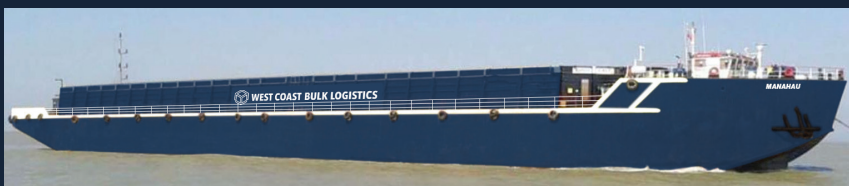


# Manahau

The self-propelled barge *Manahau* is a versatile vessel offering a cost-effective and environmentally friendly alternative to road or rail transport for bulk material. *Manahau* is self-propelled using its own engines and navigation systems, granting the vessel greater autonomy and efficiency. WCBL provides integrated third party bulk logistics for aggregates, construction materials, revetment rock and other coastal trades.

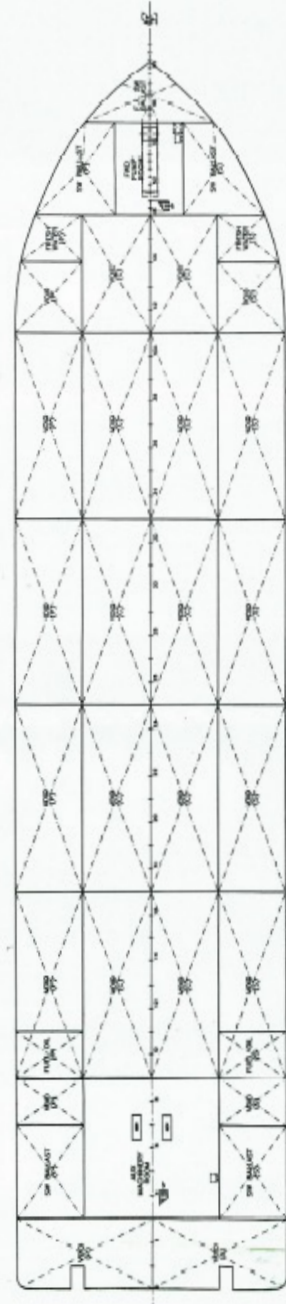
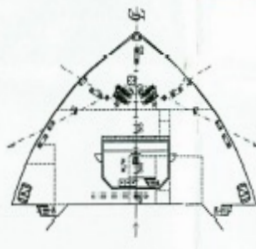
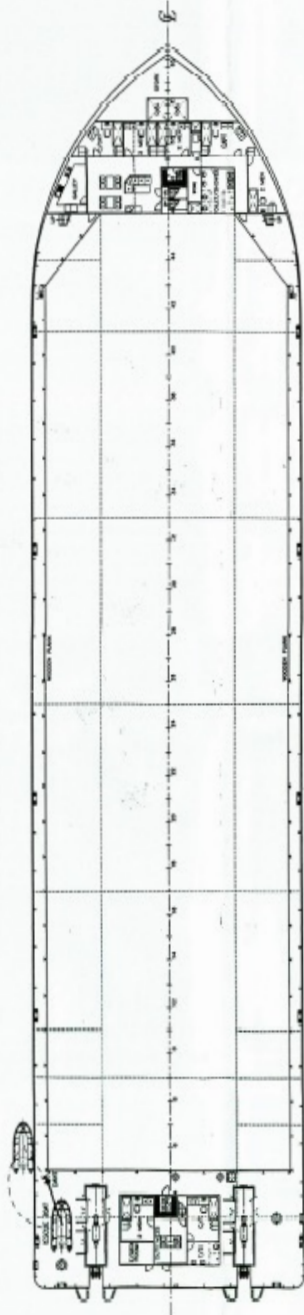
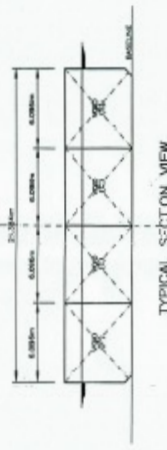
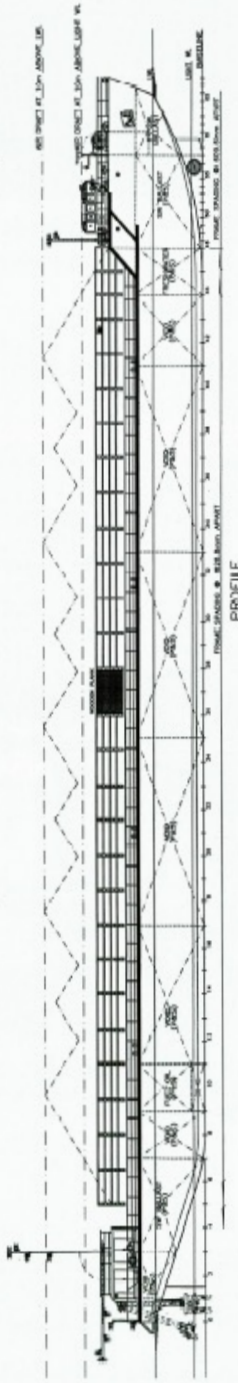


<b>Vessel Name</b>	Manahau
<b>Flag</b>	Niue
<b>IMO Number</b>	9415117
<b>Built</b>	2006
<b>GT</b>	3706
<b>NT</b>	1113
<b>Length Overall</b>	97.53m
<b>Breadth</b>	24.38m
<b>Depth</b>	6.10m
<b>Draft Laden (Unladen)</b>	4.40m (1.70m)
<b>Displacement Laden (Unladen)</b>	9094t (3100t)
<b>Cargo Capacity</b>	7000t
<b>Cargo Deck Size</b>	75m x 22m
<b>Cargo Deck Area</b>	1614m <sup>2</sup>
<b>Propulsion</b>	2 x 880kW Stern Azimuth
<b>Bow Thruster</b>	1 X 350kw Tunnel Thruster
<b>Fuel Capacity</b>	213m <sup>3</sup>
<b>Fresh Water Capacity</b>	221m <sup>3</sup>
<b>Ballast Capacity</b>	946m <sup>3</sup>
<b>Economical Speed</b>	8 kts
<b>Maximum Speed Laden (Unladen)</b>	10 kts (11 kts)



**WEST COAST  
BULK LOGISTICS**

[enquiries@wmsnz.com](mailto:enquiries@wmsnz.com)  
[wmsnz.com](http://wmsnz.com)



PRINCIPAL DIMENSION

LENGTH O.A. --- 320 FT (97.536 m) (W - 8.14 m)

BREADTH MLD --- 80 FT (24.384 m) (W - 8.14 m)

DEPTH MLD --- 20 FT (6.096 m)

DESIGN DRAFT --- 4.500 m

COMPLEMENT --- 11 (W - 2.100 W x 100 BKH)

for INFORMATION only

2008-10-16 --1284-08

Geramatischer Lloyd

NO EXCEED 5.1 TONN

28 JUL 2008

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Nama Kapal No. BAK No. BAK No. BAK No. BAK	Nama Kapal No. BAK No. BAK No. BAK No. BAK	No. BAK No. BAK No. BAK No. BAK	No. BAK No. BAK No. BAK No. BAK
GENERAL ARRANGEMENT		P0532-31	2



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