

BREAM BAY**Vessel Data Sheet**

1. General Information				
Vessel Name Bream Bay	MSA Number 133 190	MSA Class Passenger and Non Passenger	Official Number NA	Home Port Whangarei
LR Number 9411886	IMO Number 9411886			
Owner North Tugz Ltd	Builder Damen Shipyards, Haiphong Vietnam	Date of Build 2007		
Gross Tonnage 250	Net Tonnage 75	Length (tonnage) 22.16 m	Displacement Max 515 tonne	
Overall Length 24.47 m	Breadth (tonnage) 10.70 m	Depth Moulded (tonnage) 4.60 m	Operational Draft 5.35 m	
N^o./Type of Engines 2 x Caterpillar 3516B TA HD ("D" rated) 2,090 kW @ 1,600 rpm each		Total Engine Power 4,180 kW	Propulsion 2 x Rolls-Royce US 255 Rudder Propellers	
External Fire Fighting Capability 1 x Caterpillar 3406 TA engine driving a Nijhuis HGT pump. 1,200 m ³ /hr @ 11 b Monitor - 1 x Albach - Manually controlled with water / foam branch Foam 3.18 tonne (3,000 L) Solberg RF3 - 3% - Stored ashore.			N^o./Output of Generators 2 x Caterpillar 3054 T each 63 kVA	
Free Running Fuel Con 740 L/h @ 12.7 knots 150 L/h @ 8.5 knots	Total Crew 2	N^o. Berths 6	N^o. of Passengers 16	
Radios 2 x VHF	Call Sign ZMT 2755	MMSI Number 512 000 327	N^o. Liferafts 1 x 6 man	
N^o.Capacity of Fresh Water 1 x Fwd DB of 8,600 L Total of 8,600 Litres		N^o.Capacity of Fuel Tanks Fwd DB P&S 16,100 L each Aft DB P&S 17,900 L each Service Header Tanks P&S 3,400 L each Total of 74,800 Litres		
N^o.Capacity of Other Tanks Sewage - 1 x DB of 2,900 L Bilgewater - 1 x DB of 1,900 L Dirty Lube Oil - 1 x DB of 2,900 L Clean Engine Oil - 1 x DB of 1,900 L Clean Propeller Oil - 1 x 2,900 L Foam - 1 x DB of 8,600 L				
2. Operating Criteria & Parameters				
Vessel Type & Use	Twin Azimuthing Propeller, Harbour Tug			
Operating Limits	Northland, Auckland, Barrier, Bay of Plenty Inshore Waters and all Enclosed Waters within those limits.			
Normal Operating Area	Whangarei Harbour			
Max LSA provided for	19 Persons			
Fwd winch pull	18 tonne on second layer at 11 m/min 5 tonne on second layer at 33 m/min Warping Head 2.3 tonne			
Length and Minimum strength fwd tow line	Friction Layer - 40mm dia Euroflex Main line - 140m of 68mm dia Amsteel Blue 333 tonne BS Grommet/Pennant - 15m of 2" dia Amsteel Blue. 173 tonne BS			
Maximum Bollard Pull	69 tonne ahead. 68 tonne astern.			
Maximum speed	12.8 knots Ahead 12.6 knots Astern			
Maximum Deck Load	3 ton/m ² with a maximum of 20 ton			
3. Minimum Crew Qualifications				
Master	ILM			
Engineer	Inshore Engineer Class 4 - Enclosed Engineer Class 5			