

# **Mackenzie**

**MARINE & TOWAGE PTY LTD**



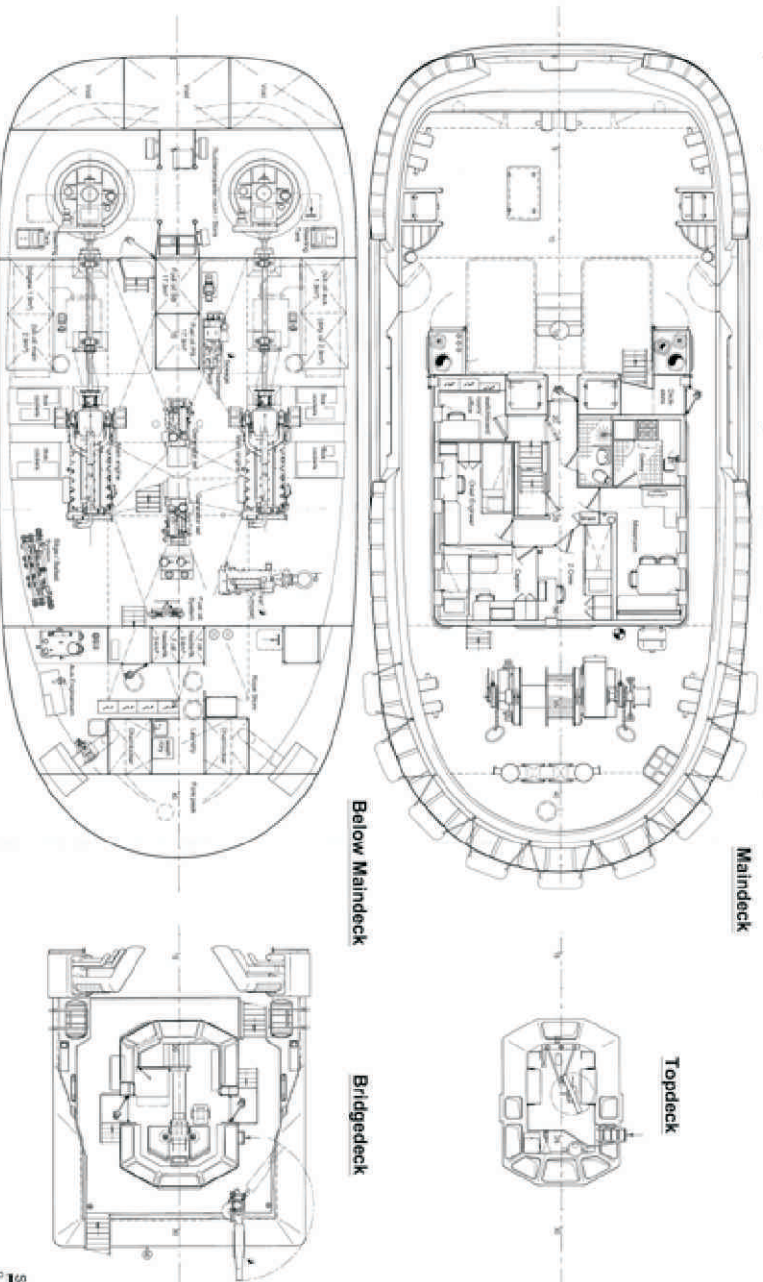
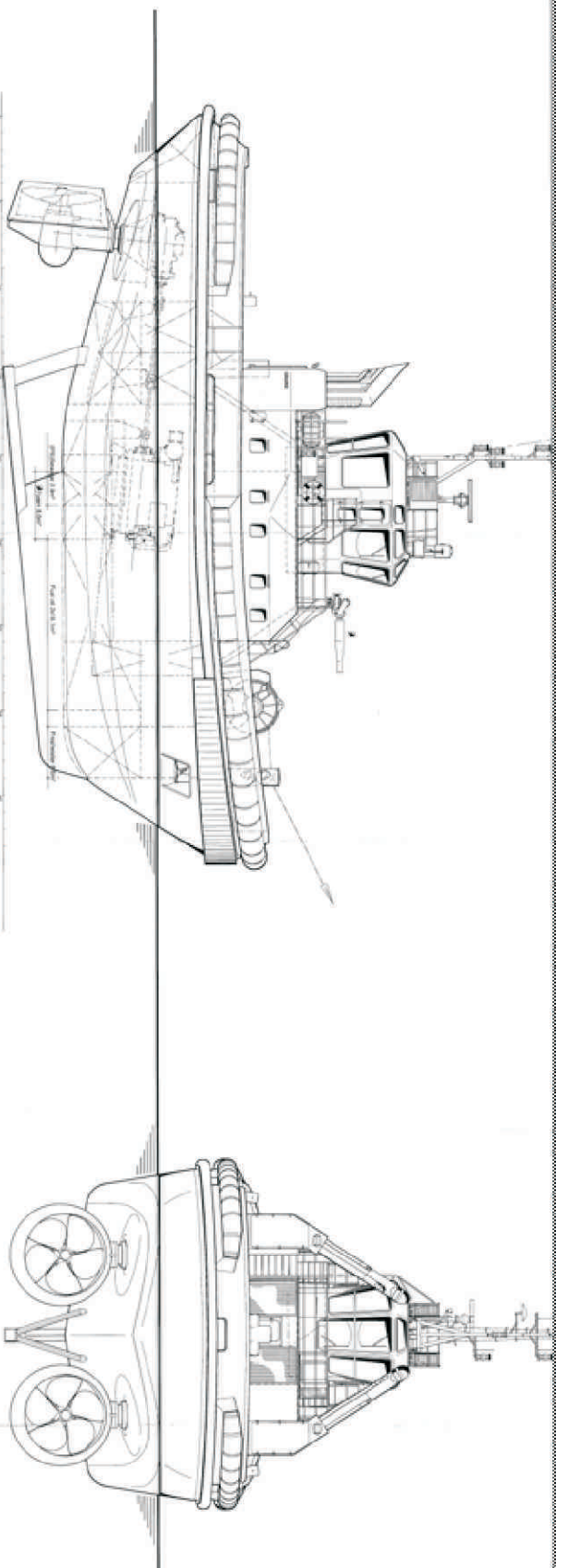
***SHOAL CAPE***

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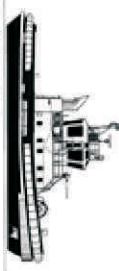
## ***VESSEL SPECIFICATIONS SHEET***

<b>YEAR BUILT</b>	<b>2006</b>
<b>LENGTH OVERALL</b>	<b>24.55m</b>
<b>CLASS</b>	<b>Bureau Veritas</b>
<b>MOULDED BEAM</b>	<b>10.70m</b>
<b>DESIGN DRAFT</b>	<b>5.35m</b>
<b>CONSTRUCTION</b>	<b>Steel</b>
<b>MAIN ENGINES</b>	<b>2 x Caterpillar 3516 (6000HP)</b>
<b>GENERATORS</b>	<b>1 x Caterpillar 3304 63 kva</b>
<b>PROPULSION</b>	<b>Rolls Royce Aquamaster Us255 ASD Thrusters</b>
<b>SPEED</b>	<b>12 Knots</b>
<b>BOLLARD PULL</b>	<b>69 Tonne</b>
<b>FUEL</b>	<b>74.8m<sup>3</sup></b>
<b>FRESH WATER</b>	<b>7.5m<sup>3</sup></b>
<b>DECK MACHINERY</b>	<b>Towing Winch</b>
<b>ACCOMMODATION</b>	<b>3 Person</b>

<b>TYPE OF VESSEL</b>	Harbour Tug
<b>IN SURVEY TO</b>	Bureau Veritas and DPI 2B
<b>HOME PORT</b>	Fremantle
<b>OWNER</b>	Mackenzie Marine and Towage Pty Ltd
<b>OWNER CONTACT</b>	(08) 90720037
<b>DESIGNER</b>	Damen
<b>BUILDER</b>	Damen
<b>HULL CONSTRUCTION MATERIAL</b>	Steel
<b>DECK CONSTRUCTION MATERIAL</b>	Steel
<b>DISPLACEMENT</b>	390 Tonne (lightship)
<b>GEARBOX/S</b>	Rolls Royce Aquamaster US255
<b>SIDE THRUSTERS</b>	N/A
<b>STEERING SYSTEM</b>	Rolls Royce
<b>MAXIMUM SPEED</b>	12 Knots
<b>RADAR</b>	Furuno FR-7062
<b>DEPTH SOUNDER</b>	Furuno LS-6100
<b>RADIO</b>	Sailor VHF RT 4822 GME VHF GX600 Marine Radio HF Furuno radio/telephone FS-2570
<b>AUTOPILOT</b>	Simrad AP50
<b>COMPASSES</b>	Monkey Island
<b>GPS</b>	Furuno GP-90
<b>PLOTTERS</b>	Furuno GP-90
<b>A.I.S</b>	Yes
<b>OTHER ELECTRONICS</b>	AC
<b>CAPSTAN/WINDLASS</b>	Fwd DBLE Drum Winch
<b>ALARM SYSTEMS</b>	Servo Fighter C4, Praxis EMS AJAX CO2 Extinguishing System AJAX DeBoer Fire Monitor HR 377/150
<b>LIFE RAFTS</b>	4 Man – LSG and 6 Man – Fujikura
<b>CREW</b>	3 Person
<b>PASSENGERS</b>	3 Crew / 7 Special Personnel
<b>DATE OF DELIVERY TO MACKENZIE MARINE</b>	2006



**Damen  
ASD Tug 2411**



**Principal dimensions:**  
 Length o.a. 24.47 m  
 Beam o.a. 11.33 m  
 Depth at side 4.60 m  
 Draught aft (approx.) 5.35 m  
 Items marked with \* are optional equipment

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**General arrangement**

Project No.	10000000000000000000
Client	ASD Tug 2411
Scale	1:100
Drawn by	10000000000000000000
Checked by	10000000000000000000
Approved by	10000000000000000000
Date	10000000000000000000

