



MARSHALL JAKEMAN  
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# Marshall Art

## 22m Multipurpose Survey Vessel

Completed in 2010, the Marshall Art has been converted from a pleasure craft to a unique survey vessel. The Marshall Art offers a stable, flexible platform for a range of survey activities.



## GENERAL VESSEL INFORMATION

The vessel has been carefully modified to offer various survey capabilities including hydrographic and geophysical survey, environmental sampling and ROV inspection.

The Marshall Art is fully equipped with a towing A-Frame, folding knuckle-boom crane and the option of accessible hull-mounted or side mounted pole for survey instrumentation. Inside the spacious wheelhouse, a generous area is dedicated to online/offline operations. A fly bridge offers ready access to antenna fixtures without working at height complications.

The Marshall Art offers a standard of accommodation rarely experienced on a survey vessel. The Marshall Art offers 4 twin berth cabins available for the charterers, all finished to an exceptionally high standard. An open plan Galley and Mess area on the bridge offers a comfortable living area, and there are 3 showers and 3 toilets onboard the vessel in total.

## VESSEL PARTICULARS

Length Overall	22m
Beam	6m
Draught	1.7m
Air Draught	9m
Weight	63 tonnes
Date of Launch	30th June 2010
Date of Conversion	1st May 2020
Built by	Barry Marshall
MCA classification	Category 2 – 60 miles from Safehaven



## ENGINES & PROPULSION

Engines	Caterpillar 3126TA 350HP
Thrusters	Fixed prop bow/stern thrusters
Generators	1 x 27KVA & 1 x 21KVA 3 phase 415v2 x 79Kva
Speed	9 knots
Survey Speed	3.5kn-5kn
Fuel Consumption	50 litres per hour @ 10 knots

## ACCOMMODATION

- 13 personnel overall, 8-9 for charterers
- Galley – Spacious working galley with ample capacity for 6-8 dining
- Lounge area

## WORKING AREA

- 25m<sup>2</sup> working deck area
- 3/4 workstations in wheelhouse

## DECK

- Crane: 2.5t/m - 370kg @ 5.2m, 720kg @ 3m
- 2 Tonne A-Frame with 1.5t hydraulic proportional winch controlled from survey station.
- Through hull survey pipe direct to hull mount flange for Multibeam/SBP
- Survey pole on port side.
- 3 station survey desk with 1 x 2 monitor station and 2 x 1 monitor station inbuilt with remote control for A frame and winch from survey desk.
- Sea water wash down pump for environmental samples.
- M20 Deck fixings pre-mounted at 1m intervals for deck equipment.

## NAVIGATION

- Furuno TZTBB Navnet Multifunction chartplotter/radar display.
- Furuno DRS6A Radar with XN12A 4ft open array scanner.
- ICOM GM600 A Class VHF2 x ICOM M330 VHF with DSC.
- Furuno Navtex receiver.
- Furuno FA170 AIS.
- Furuno SC70 Satellite Compass.
- Sailor 6110 Inmarsat C.
- Garmin 5012 multifunction 12" touch screen display.
- Garmin 5008 multifunction 8" touch screen display.
- Garmin marine radar scanner.
- Garmin GSD22 depth/echo sounder.

## TANK CAPACITIES

MGO	6.4 cuM
Fresh Water	7500 litres



Hull Mount Flange With Various Adaptors

## HYDROGRAPHIC SURVEY

The through hull survey pipe with hull mounted flange for Multibeam transducers enables clients to mobilise equipment quickly on our purpose built launching rig with permanent access while on the rig.

Pre installed screens at the survey station also help to reduce mobilisation times.

## ENVIRONMENTAL SURVEY

The dedicated survey station, inbuilt monitors, 2 tonne a Frame and joystick winch controls enable clients to perform grab sampling and camera drops comfortably.

## ROV SUPPORT

The 2 tonne A Frame and dedicated client survey station make the Marshall Art an ideal solution to Inspection class ROV's.

## UXO SURVEY

We are open to options for towing arrays of magnetometers and have experience designing survey booms.

## BIRD/MAMMAL WATCHING

Having an open spacious flybridge the Marshall Art is ideal for a 360 degree view.

## Marshall Jakeman Marine Limited

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