

**MANGROVE BUGGY RIG CARRIER WORK
PLATFORM BROCHURE**

253 Wattleup Road Wattleup WA 6166
Phone:(08) 9437 1637 Fax:(08) 9437 1638



(M4)MANGROVE BUGGY RIG CARRIER WORK PLATFORM



Mangrove Buggy – M4

Model No & Type:	CB -311855	Payload capacity (t)	9.90
Owner:	J&S Drilling	Deck length (m)	10.40
Build Date:	2008	Deck width (m)	5.60
Gross Tonnage:	32.6tonne	Speed: Land	8kph
Max Power (kW):	260@2600rpm	Speed: Water	4kph
Length Overall (m):	12.00		
Width Overall (m):	5.80	Fuel capacity	500L
Height Buggy (m):	3.85	Aluminium track cleats	3 per side
Height Buggy & Rig2 (m)		Chain Strands-4inch pitch	4 per side
Transportation: dismantle units	2	Ground Pressure (kPa)	12.4 – 14.8
Ground Pressure (psi)	1.80 – 2.15	Deck Davit (lift in kg)	300kg
Winch capacity (t)	16.1t	Positive Buoyancy	1.5M
Anchor type	Danforth		

Specifications are subject to change and inspections to satisfy intended use is recommended.

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The Mangrove Buggy is a self contained track mounted positive buoyancy work platform that can be configured to accept the following equipment:

- Drill rigs
- CPT Units
- Excavators
- Tree Cutters
- Mulchers

The footprint is distributed across 2 x 1.5m wide tracks and the benefits derived from using this configuration are:

- **Minimal environmental impact on vegetation:**
 - No requirement to cut vegetation at ground level with a trunk diameter of 60mm or less. The Mangrove Buggy tracks will walk over this size vegetation and bend the trunks, branches and foliage in its path.
 - Trunk diameter of greater than 60mm can be cleared and mulched using an excavator & attachment.
 - Drilling operations will be conducted on the work platform on top of the Mangrove Buggy, thereby reducing the requirement for additional vegetation clearing for drill pads
- **Tides:** The Mangrove Buggy is built with airtight pontoons to produce positive buoyancy and increase the availability to access the intertidal zones. The Mangrove Buggy can be left on the borehole locations during a tidal variation of up to 1.5 metres.
- **Soft and /or saturated soil and mud:** The Mangrove Buggy ground pressure is in the range 1.80 – 2.15 psi (12.4 – 14.8 kPa) thereby increasing availability to access soft or saturated test sites.
- **Occupational Health & Safety:**
 - Reduced exposure to disease, fauna e.g. snakes, crocodiles, sandflies, mosquitoes, heat stress, heat stroke, dehydration and fatigue.
 - Clearing contractors
 - Drilling contractors
 - Geotechnical consultants
 - Client representatives
- **Efficiency, cost and scheduling:** The Mangrove Buggy is a multi-purpose work platform which will improve efficiency and drive cost benefits in all operations including vegetation clearance, drilling, sampling and probing. The Mangrove Buggy will provide continuity of access to difficult areas and reduce fieldwork and cost.

Crew access and support can be provided by a track or wheeled ATV support vehicle. (see separate Specification Sheet)

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Road Transportation



M4 Lifting Gear and Spreader Bar



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In Northern territory Mangroves



Mangrove Buggy fitted with CPT Rig

