



Eastern Shipbuilding's M/V Stillwater River

Stillwater River is the first advanced high-speed crew boat using the SWATH (small water plane area twin hull) technology. The all-aluminum vessel was designed specifically as a crewboat for operation in the Campos Basin offshore Brazil with a capacity for 250 passengers.

Owned by TRICO Marine Services, Stillwater River is 120 ft. in length, and operates at a loaded draft between 11 and 12 ft. It is particularly suited for high-speed transportation of offshore rig personnel to and from platforms in the rough waters of Campos Basin.

The SWATH design produces slower motions, less likely to cause passenger discomfort due to the fact that the portion of the hull that gives displacement, rides below the surface of the ocean.

During sea trials, the vessel reached a trial speed of 31 knots. Power is provided via a pair of Allison 501 KFS gas turbines, which produce 9,600 total hp. Reduction is provided through a pair of custom-built Philadelphia Gear Model HP-25 gearboxes with 28:1 ratios, that also furnishes power for an assortment of other

ships systems, including controls and shaft lubrication systems.

Circle 72 on Reader Service Card

Vessel Specifications

Shipbuilder:	Eastern Shipbuilding
Group/Owner/Operator:	TRICO Marine Services
Flag:	U.S.
Classification:	ABS
Length, o.a.:	119.5 ft. (36.4 m)
Breadth, molded:	43.7 ft. (13.3 m)
Gross Tonnage:	ITC Gross 537
Lightweight:	219 lt
Draft (design):	9.8 ft. (2.9 m)
Speed, Service:	Design Speed 28 knots
Complement:	Crew 5, Passengers 250
Water Ballast:	26,500 gal.
Main Engines:	Allison 501 KF5
Total hp:	11,600
Propellers:	LIPS Controllable Pitch Propellers
Thrusters:	200 hp Holland Propeller
Generator Engines:	(2) Cummins
Thruster Engines:	200 hp Electric Motors Baldor
Generators:	Stamford 315 kW
Motor Starters:	Square D
Fin Stabilizers:	Maritime Dynamics, Inc.
Couplings:	SKF
Reduction Gears:	Philadelphia Gears
Engine Controls:	LIPS
Steering Controls:	LIPS/Hydraulic System by Huber
Deck Machinery:	McElroy Anchor Winch
Shafting:	LIPS
Bearings:	Thordon
Coatings:	International
VHF Radio:	Sea Model 7156
SSB Radio:	Sea Model 330
Radar:	Simrad ARPA Interface
Compass:	Gyro Compass - Sperry SR 180
GPS:	Trimble NT 2000D
Autopilot:	LIPS
SATNAV:	INMARSAT by Boatrac
Liferafts:	Marine Safety Systems