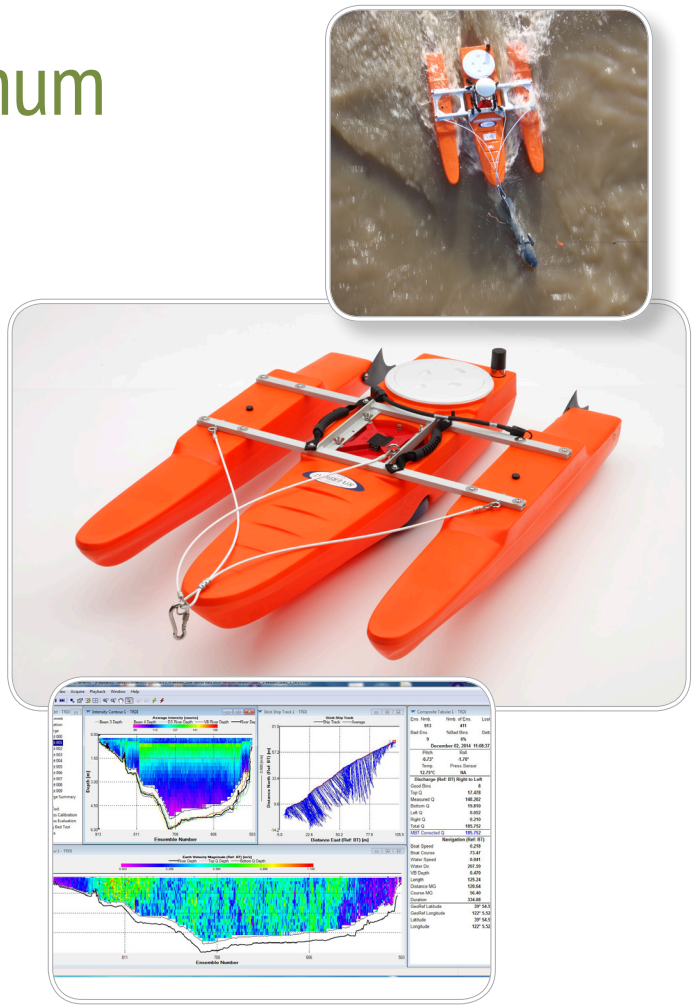
Teledyne Oceanscience

Riverboat™

Tethered Boat for ADCP Measurements

Low Drag Boat for Maximum Profiler Effectiveness



The Teledyne Oceanscience Riverboat is the world-wide benchmark for acoustic Doppler current profiling for discharge measurements. The Riverboat and ADCP combination has drastically reduced discharge measurement time and labor all over the world. This rugged, stable, corrosion-resistant tethered boat makes safe, easy measurements of discharge with ADCPs. Relatively slow and fast flowing water can be handled with ease, and available radio communications options complete the total discharge monitoring package.

The Riverboat has gathered data at water velocities over 15 fps (4.5mps). The bow flare trimaran hull design prevents the boat from nose diving and maintains instrument orientation. The central hull reduces drag over catamaran designs making the Riverboat capable of operation in a range of water velocities, maximizing the data collection potential of the ADCP.

Made of unbreakable polyethylene, the Riverboat is strong and robust to cope with the worst deployment conditions. The standard boat fits an 8" Rio Grande ADCP and is configured for use with single-channel spread spectrum radio modems.

PRODUCT FEATURES

- For use in water velocities up to 15 fps
- All required cabling, batteries, and antennae are included for easy plug and play operation
- Electronics located below deck in a watertight compartment
- Other Doppler profilers of 8" diameter or less may be used with adapter mounts
- Made of molded unbreakable polyethylene
- Optional Cable Chimp II remotely-operated cableway vehicle
- Optional sliding crossbar available for easy transportation inside the available soft or hard case

Riverboat

Tethered Boat for ADCP Measurements

TECHNICAL SPECIFICATIONS

Physical	Center Hull Length	121cm (48”)
	Overall Width	81cm (32”)
	Weight	7kg (15 lbs.)
	Hull Material	Molded Unbreakable Polyethylene
	Crossbar Material	Anodized Aluminum
	Safety Lines	Stainless Steel
	Fasteners	Stainless Steel
	Fin Configuration	Kick-up Fins
Perfomance	Typical Measurement Water Velocity	0.6-3m/s (2-10 fps)
	Maximum Water Velocity	4.6m/s (15 fps)
Instrumentation	Acoustic Doppler Current Profilers	Teledyne RD Instruments Rio Grande
		Linkquest Flowquest
		Rowe RiverPROFILER

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