

## TETHERED BOAT FOR ADCP MEASUREMENTS



### LOW DRAG BOAT FOR MAXIMUM PROFILER EFFECTIVENESS

The 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.

### DESIGNED FOR A WIDE RANGE OF MEASUREMENTS

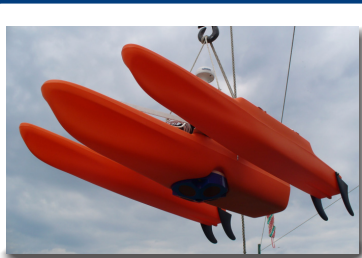
The Oceanscience Riverboat has gathered data at water velocities over 15fps (4.5fps). The bow flare trimaran hull design prevents the boat from nose-diving and maintains instrument orientation by reducing pitch and roll in varied flows. The central hull reduces drag by a factor of 2-4 over catamaran designs making the Riverboat capable of operation in a range of water velocities, maximizing the data collection potential of the ADCP.

### STANDARD CONFIGURATION

Made of unbreakable polyethylene, the Riverboat is strong and robust to cope with the worst deployment conditions. The standard boat fits an 8" TRDI Rio Grande ADCP and is configured for use of Oceanscience single-channel spread spectrum radio modems. All required cabling, batteries, and antennae are included for easy plug-and-play operation. Electronics are located below deck in a watertight compartment. Other Doppler profilers of 8" diameter or less may be used with adaptor mounts. The Riverboat can be supplied with a pigtailed wiring harness for user radio installation.

### OPTIONAL EQUIPMENT

Add DGPS location and data handling options such as the powerful Oceanscience OysterPE2 on-board computer or Hydrolink radio modems, to make the Riverboat the most versatile tethered survey platform available. Select the Oceanscience Sliding Crossbar option to easily disassemble the Riverboat for transportation in the available hard or soft case.



ONLINE VIEWERS

CLICK IMAGES FOR VIDEO

## RIVERBOAT SPECIFICATIONS

The Riverboat specifications are listed below.

	RIVERBOAT SPECIFICATIONS
Typical Measurement Water Velocity	2-10 fps or 0.6-3 m/s
Maximum Water Velocity	15 fps or 4.6 m/s
Center Hull Length	48" or 121 cm
Overall Width (Assembled)	32" or 81 cm
Crossbar Material	Anodized Aluminum
Hull Material	Molded Unbreakable Polyethylene
Weight	15 lbs or 7 kg
Hardware	Aluminum
Safety Lines	Stainless Steel
Fasteners	Stainless Steel
Fin Configuration	Kick-up Fins
ADCP Size	8"

## ORDER CODES

- RBHL - Riverboat for Hydrolink radios
- RBPT - Riverboat with pigtailed wiring harness
- SCBR - Sliding crossbar
- SCAS - Soft transportation case
- HCAS - Aluminum ATA transportation case

## WARRANTY

Three-year warranty on polyethylene hulls.  
One-year warranty on all components.

## CONTACT INFORMATION

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