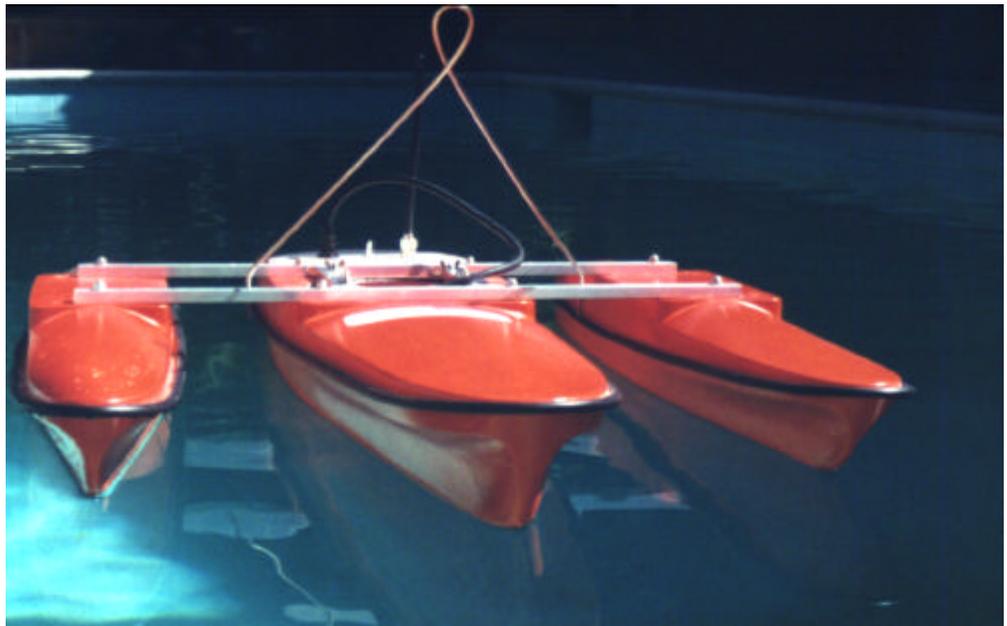


# Riverboat

## Low-Drag Tethered ADCP Boat



The Riverboat is a rugged fiberglass boat for easy measurement of discharge with acoustic Doppler current profilers. The central hull reduces drag by a factor of 2-4 over catamaran designs. The Riverboat is light, stable and capable of operation in very high flows. Tests at a USGS tow tank facility indicated stability with low drag at speeds up to 16 fps.

The standard model fits an RDI Rio Grande ADCP. Models are available for all profilers. Optional modems, batteries, and antennae are available for plug-and-play operation. Electronics are located below deck in a watertight compartment.

### Features

- Low-Drag Trimaran Design
- Waterproof in-hull electronics compartment
- Fiberglass, stainless and aluminum construction
- 5 ¼" deep fin for directional stability

### Options

- Modems
- Battery
- Antennae

### Construction

- Molded Fiberglass and Plastic Hulls
- Aluminum Hardware
- Stainless Fasteners

### Dimensions

- Length: 47" (119 cm)
- Width: 32" (81 cm)

### Weight

Approx 16 lbs (7 kg)

Contact us for more information

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Innovative Tools for Oceanographers

## RiverBoat Price List

PRODUCT	PRICE
<b>Riverboat</b> Includes upgraded low-drag main and outrigger hulls with partial foam fill, aluminum crossbar, ADCP mounting plate with fasteners, ¼-turn access cover to battery/modem compartment, rope bail, 5 ¼" pop-out fin, improved power/comm cable from electronics compartment to ADCP, power switch, and antenna mount. Note: The Riverboat is designed for use with a Freewave modem, RDI Rio Grande and a standard 7 AH gel cell battery.	\$2550
<b>Standard accessories recommended for normal use</b>	
Freewave 900 MHz or 2.4 GHz (European) Waterproof Modems (two required; free stub whip antenna included with each pair)	\$1800 each
Magnetic 900 MHz antenna for base station (roof of vehicle)	\$105
Stub whip antenna for boat	Free with modem pair
7-AH battery	\$25
<b>Options</b>	
Guest fully automatic 3-stage portable charger. Completely sealed in a durable potted case. Waterproof, shockproof and corrosion proof. Electronic overload and thermal protection, LED ready indicators, reverse polarity protection, and a carrying handle. Powerful 6 amp unit can be left connected indefinitely.	\$75
Strobe light with mount to crossbar. 3 mi visibility, white color. 4-day life on D-cell. weight: 8 oz	\$30
3/8" Easy-handling, abrasion-resistant co-poly floating tether rope	\$0.30/ft
Leash for fin (fin is designed to release if hit by an obstruction)	\$15
Spare fin. Specify standard 5 ¼" or shallow-water 3" model. (3" fin provides somewhat less directional stability)	\$10
Spare stub whip antenna	\$25
<b>GPS and GPS Options</b>	
Trimble AgGPS132 GPS system. Includes satellite/beacon receiver, upgrade to 10 Hz update, WAAS upgrade, antenna, cable	\$3495 list price
Riverboat modifications for GPS. Includes antenna mount, and additional wiring harness modifications. Required for use of GPS on Riverboat.	\$425
Multiplexing kit for modems. Allows up to 4 RS232 signals per a single modem pair. Required for use of GPS on Riverboat	\$900 per pair
Everest Multipath Rejection Capability	\$995
DGPS Reference Station	\$1500
Freewave 900 MHz or 2.4 GHz (European) non-waterproof modem (this may be used for the base station modem if it can be protected from rain)	\$1350 each
<b>Discounted Packages</b>	
Package price for Riverboat system, 2 waterproof modems, antennae and battery. Value \$6305	\$6090
Package price as above plus Trimble AgGPS132 with modifications of Riverboat and multipath rejection capability. Value \$12,120	\$11,750
Shipping and insurance boat only to contiguous US	\$40
Shipping and insurance boat and modems to contiguous US	\$70



Photo Courtesy of JB Bornhoeft