



# Urban Coast Institute: Hydrographic Equipment List

<b>Side Scan Sonar:</b>	Klein 3900 Dual Frequency 455/900kHz Tritech Starfish 990F 1MHz
<b>Multibeam:</b>	SEA Swath Plus 488kHz high-resolution Interferometric bathymetric sonar and side-scan
<b>Echo sounder:</b>	Odom CVM dual freq sounder 200/33kHz
<b>Positioning:</b>	Trimble RTK GPS SPC 750 (Base), DSM 232 (Rover), Keynet VRS, Hemisphere S320 RTK (Rover)
<b>Heading:</b>	Hemisphere VS110 GPS Heading Receiver
<b>Motion Reference:</b>	Unit SMC S-108 MRU submersible
<b>Sound Velocity:</b>	Valeport: Mini SVS and Profiler: Mini SVP
<b>Current Measurements:</b>	RDI RiverPro ADCP 1200kHz vessel mount or River Ray Float
<b>Acquisition and Processing Software:</b>	Hypack/Hysweep, Sonar Pro, Sonar Wiz, Swathview WinRiver II and ArcGIS
<b>Underwater Video Systems:</b>	Splashcam Deep Blue Pro, Seaviewer Systems Lynn Hawk Video Enhancement System
<b>Remote Operated Vehicle:</b>	Video Ray Pro 4 with Manipulator arm, Scanning Sonar, Laser Scaler, Blue View Imaging Sonar, vehicle positioning system
<b>Water Quality Instruments:</b>	YSI Multi-parameter Data Sondes Six Series Petite and Standard Ponars
<b>Vessels:</b>	27 feet, 18 feet, 14 feet, 12 feet

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