

LMG
Science Equipment/Systems Allocation
SONAR SYSTEMS

Product	Quantity on Hand
<i>Bathymetry Plotters</i>	
<i>Hull-mounted Sonars</i>	
Hull-mounted 12 kHz sonar, Precision Depth Recorder, Raytheon PTR, for 12 kHz pinger tracking	1
Hull-mounted 3.5 kHz and 12 kHz sonar, Knudsen 320 B/R; 3.5 kHz for sub-bottom profiling or 12 kHz for bottom-tracking	1
Hull-mounted ADCP, RDI, 150 kHz Narrow-Band, VM-150, for current profiling and measuring backscatter in water column - shallow and high-resolution (400-M).	1
Hull-mounted ADCP, RDI, 38 kHz phased array, OS-38, Ocean Surveyor, for current profiling and measuring backscatter in water column - deep and medium resolution (1200-M).	1
<i>Towed Sonars</i>	
Towed Bioacoustic Sonar, Simrad EK-80, for measuring biomass in water column (acoustic backscatter), 38 kHz or 120 kHz	1
Towed Teledyne Benthos SIS-1625 Side-Scan Sonar/Sub-Bottom Profiler, 90-100 kHz for side-scan and 2-7 kHz for sub-bottom, depth rating 2000-M	1