

USGS CMSC FACS EQUIPMENT LOG

ACTIVITY ID: 11BIM01

EQUIPMENT SYSTEM	EQUIPMENT TYPE	EQUIPMENT CODE	EQUIPMENT BRAND	EQUIPMENT MODEL	EQUIPMENT MEDIA	COMMENTS
Navigation	Hydrographic survey software	HY	HYPACK, Inc.	HYPACK v. 9.0	Digital	Ship navigation
Chirp	Chirp subbottom profiler	C	EdgeTech	SB 424	Digital	Discover software v. 3.51
Interferometric Bathymetry	Interferometric sonar	IFB	SEA, Ltd.	SWATHplus-M 234 kHz	Digital	SWATHplus software v.3.1.7
Interferometric Bathymetry	Precision Attitude and Positioning System	IMU/DGPS	CodaOctopus	Octopus F190R	Digital	OmniSTAR High Performance (HP) correction; 20-cm accuracy. Used for swath and chirp navigation
Interferometric Backscatter	Interferometric sonar	IFS	SEA, Ltd.	SWATHplus-M 234 kHz	Digital	SWATHplus software v.3.1.7
Interferometric Bathymetry	Precision Attitude and Positioning System	IMU/DGPS	CodaOctopus	Octopus F190	Digital	OmniSTAR High Performance (HP) correction; 20-cm accuracy.
Interferometric Bathymetry	Sound velocity probe	SOS	Valeport	Mini SVP	Digital	Sound velocity at sonar head
Interferometric Bathymetry	Sound velocity profiler	SOS	Valeport	Mini SVP (cage)	Digital	Sound velocity profile casts
Navigation	GPS receiver	DGPS	Ashtech	Z-Xtreme	Digital	Base receiver

Navigation	GPS Antenna	DGPS	Thales	P/N 701945-02 Rev E	Digital	Base antenna
GPS	Tripod	DGPS	SECO	Collapsible 2-m height tripod	Mechanical	Base location
Navigation	GPS receiver	DGPS	Ashtech	Z-Xtreme	Digital	Boat receiver
Navigation	GPS Antenna	DGPS	Thales	P/N 701945-02 Rev E	Digital	Boat antenna