

# USGS CMSC FACS EQUIPMENT LOG

ACTIVITY ID: 08CCT01

EQUIPMENT SYSTEM	EQUIPMENT TYPE	EQUIPMENT CODE	EQUIPMENT BRAND	EQUIPMENT MODEL	EQUIPMENT MEDIA	COMMENTS
Swath system	Interferometric sonar	SW	SEA, Ltd.	SWATHplus -H 468-kHz interferometric system	Digital	Swath Processor Software v. 3.6
Chirp system	High-resolution seismic	CH	EdgeTech	SB512i chirp sub-bottom profiler	Digital	Discover Software v. 3.51
Single-beam system	Bathymetry profiler	SB	Knudsen	Knudsen 320BP	Digital	Acquired single-beam bathymetry
Navigation system	IMU/GPS	DGPS	CodaOctopus	Octopus F190 Precision Attitude and Positioning System	Digital	OmniSTAR High Performance (HP) correction; 20-cm accuracy used for chirp, swath, and ship navigation
Navigation system	Navigation	DGPS	HYPACK, Inc.	HYPACK v.6.2	Digital	Ship navigation
Speed of sound	SOS velocity probe	SOS	Valeport	Mini SVP	Digital	SOS at swath sonar head
Speed of sound	SOS velocity probe	SOS	Valeport	Mini SVP	Analog	SOS profile casts / manual recording
GPS	GPS Receiver	DGPS	Ashtech	Z-Xtreme	Digital	One at base station, one on boat
GPS	GPS Antenna	DGPS	Thales	P/N 701945-02 Rev E	Digital	One at base station, one on boat
GPS	Tripod	DGPS	SECO	Collapsible 2-m tripod	NA	Base locations