

USGS CMG OVERVIEW LOG
ACTIVITY ID: 10BIM04

TOPIC	INFORMATION
USGS ACTIVITY ID	10BIM04
OTHER ID (IF ANY)	
ORGANIZATION	U.S. Geological Survey, St. Petersburg Coastal and Marine Science Center
PROJECT	Barrier Island Mapping
AREAS OF OPERATION	Cat Island, Miss. (Northern Gulf of Mexico)
CHIEF SCIENTIST(S)	Jack L. Kindinger
INFORMATION SPECIALIST(S)	Dana S. Wiese
ACTIVITY TYPE	Seafloor mapping/shallow subbottom profiling via geophysical surveys (high-resolution seismic, swath and single beam bathymetry, and sidescan sonar backscatter).
SCIENTIFIC PURPOSE/GOALS	To investigate the geologic controls on barrier island framework offshore of Cat Island, Miss.
PLATFORM	R/V <i>Gilbert</i>
STARTING DATE	September 7, 2010
STARTING PORT	Biloxi, Miss.
ENDING DATE	September 15, 2010
ENDING PORT	Biloxi, Miss.
EQUIPMENT USED	Edgetech SB-512i subbottom profiler running DISCOVER version 3.51 acquisition software, SEA SWATHplus (486 kHz) bathymetry system, L3900 Klein side scan towfish, Knudsen 320B single beam bathymetry system, F190, IMU/DGPS and Ashtech navigation systems.
INFORMATION TO BE DERIVED (GRAIN SIZE, DEPTH TO BASEMENT)	Shallow geologic framework - Shallow subbottom image profiles, swath bathymetry data (X, Y, Z), single beam bathymetry, and sidescan sonar mosaics.
SUMMARY OF ACTIVITY AND DATA GATHERED	A total of 119 chirp 2-D subbottom profiles, 79 swath, 9 single beam, and 9 sidescan lines were collected.
NOTES	Digital 10BIM04 logs were generated by A. Forde in February 2012 using the handwritten logs and personal accounts of the crew members.