

**USGS CMSC FACS OVERVIEW LOG
ACTIVITY ID: 10CCT01**

TOPIC	INFORMATION
USGS ACTIVITY ID	10CCT01
OTHER ID (IF ANY)	
ORGANIZATION(S)/PROGRAM	U.S. Geological Survey, St. Petersburg Coastal and Marine Science Center
PROJECT/THEME	Mississippi Coastal Improvement Project (MsCIP) / Coastal Change and Transport
AREA OF OPERATION	Cat Island, MS (Northern Gulf of Mexico)
PRINCIPAL INVESTIGATOR	James G. Flocks
INFORMATION SPECIALIST(S)	Dana Wiese and Nancy T. DeWitt
ACTIVITY TYPE	Seafloor mapping, geophysical swath bathymetry, shallow sub-bottom profile, side scan sonar backscatter
SCIENTIFIC PURPOSE/GOALS	Surveying an area east of Cat Island that will be incorporated into the complete modern topobathymetric map of the Mississippi barrier islands from Cat Island, MS, to Dauphin Island, AL. Data to provide information for the following: assessment of sand resources in the region, recent geologic framework, historical island shoreline measurements, and base level characterization of the seafloor since the 2005 hurricane season.
PLATFORM	<i>R/V Survey Cat</i>
STARTING DATE	March 9, 2010
STARTING PORT	Biloxi, Mississippi
ENDING DATE	March 17, 2010
ENDING PORT	Biloxi, Mississippi
EQUIPMENT USED	SWATH ^{plus} -H 468-kHz Interferometric System, F190 DGPS/IMU, L3900 Klein Side Scan Towfish, Edgetech SB424 chirp sub bottom profiler, HYPACK for ship navigation, and 2 Valeport Mini SVS probes
INFORMATION TO BE DERIVED	swath bathymetry data (x, y, z), shallow sub-bottom image profiles, side scan sonar mosaics
SUMMARY OF ACTIVITY AND DATA GATHERED	Chirp lines (39), Swath lines (37), and Side Scan lines (39)
NOTES	Boat Staff - Nancy T. DeWitt, Dana Wiese, and William R. Pfeiffer Digital 10CCT01 FACS logs were generated by N. DeWitt in September of 2010 using the handwritten logbook and personal accounts of the

	crew members
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