USGS CMSC FACS OVERVIEW LOG
ACTIVITY ID: 10CCT02

TOPIC	INFORMATION
USGS ACTIVITY ID	10CCT02
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	Horn Island, MS, to Dauphin Island, AL, and adjacent passes (Northern Gulf of Mexico)
PRINCIPAL INVESTIGATOR	James G. Flocks
INFORMATION SPECIALIST(S)	Dana S. Wiese and Arnell S. Forde
ACTIVITY TYPE	Seafloor Mapping / Shallow Sub-bottom Profile
SCIENTIFIC PURPOSE/GOALS	To create a complete modern topobathymetric map of the Mississippi barrier islands from Cat Island, MS, to Dauphin Island, AL. Data to provide information for the following: sediment budget; assessment of immediate sand resources in the region, modern geologic framework, historical island change measurements, and base-level assessment of the seafloor since the 2005 hurricane season.
PLATFORM	*R/V Tommy Munro*
STARTING DATE	March 19, 2010
STARTING PORT	Biloxi, Mississippi
ENDING DATE	March 29, 2010
ENDING PORT	Biloxi, Mississippi
EQUIPMENT USED	SwathPlus -H 468-kHz Interferometric System, F190 DGPS/IMU, Edgetech SB512i Chirp Sub-bottom Profiler, L3900 Klein Side Scan Towfish, HYPACK for ship navigation, 2 Valeport Mini SVP probes, 1 Valeport SV Profiler
INFORMATION TO BE DERIVED	Submetrix swath bathymetry data, shallow sub-bottom image profiles, and side scan sonar mosaics
SUMMARY OF ACTIVITY AND DATA GATHERED	Chirp lines (196), Swath lines (196), and Side Scan lines (102)
NOTES	Boat Staff - James G. Flocks, Nancy T. DeWitt, Phillip R. Thompson, Arnell S.

	Forde, Dana S. Wiese, William R. Pfeiffer, and Kyle Kelso. Shop Staff (Pre-Cruise) - Dave Wegener contributed 1.5 weeks to design and fabrication; Richard Young was boat captain during 2 days of side scan sonar equipment testing. Digital 10CCT02 FACS logs were generated by N. DeWitt in September of 2010 using the handwritten logbook and personal accounts of the crew members.