

USGS CMSC FACS OVERVIEW LOG
ACTIVITY ID: 09CCT03

TOPIC	INFORMATION
USGS ACTIVITY ID	09CCT03
OTHER ID (IF ANY)	09CCT03A
ORGANIZATION(S)/PROGRAM	U.S. Geological Survey (USGS), St. Petersburg Coastal and Marine Science Center
PROJECT/THEME	Northern Gulf of Mexico (NGOM) Ecosystem Change and Hazard Susceptibility Project/ Coastal Change and Transport (CCT)
AREA OF OPERATION	Horn Island, Miss., to Dauphin Island, Ala., and adjacent passes (Northern Gulf of Mexico)
PRINCIPAL INVESTIGATOR	James G. Flocks
INFORMATION SPECIALIST(S)	Nancy T. DeWitt and Dana Wiese
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, Miss., to Dauphin Island, Ala. Data to provide information for the following: sediment budget; assessment of immediate sand resources in the region, modern geologic framework; historical island change measurements; base-level assessment of the seafloor since the 2005 hurricane season
PLATFORM	<i>RV Survey Cat</i>
STARTING DATE	June 5, 2009
STARTING PORT	Moss Point, Miss.
ENDING DATE	June 20, 2009
ENDING PORT	Moss Point, Miss.
EQUIPMENT USED	SEA SWATH ^{plus} -H 468 kHz Interferometric System; F190 DGPS/IMU; EdgeTech SB424 Chirp Sub-bottom Profiler; Marimatech E-SEA Sound 206 Echosounder; TSS DMS-05 Motion Sensor; DGPS from four Ashtech Z-Xtreme GPS Units and four Thales Choke Ring Antenna (P/N 701945-02 Rev E); two Seco collapsible tripods; one portable GPS topographic survey buggy
INFORMATION TO BE DERIVED	High precision single beam bathymetry (x,y,z), swath bathymetry data; shallow sub-bottom image profiles, recent shoreline topography (x,y,z).
SUMMARY OF ACTIVITY AND DATA GATHERED	Chirp lines (129), swath lines (146), HYPACK lines (142) shoreline surveyed distance (~50 km)
NOTES	Boat Staff -Nancy T. DeWitt, B.J. Reynolds, Dana Wiese. Digital 09CCT03 FACS logs were generated by N.

	<p>DeWitt in March of 2011 using the handwritten logbook and personal accounts of the crew members.</p> <p>A subset of the data collected around Cat Island, Miss., was informally given the ID of 09CCT03A and consisted of HYPACK lines (68), chirp lines (70), and swath lines (70).</p>
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*The St. Petersburg naming convention is as follows: YYPRJ##, where YY is a two-digit abbreviation for the calendar year the data were collected, PRJ is a three-letter acronym for the project, task, or theme the data were collected under, and ## is a sequential number for each field activity under that project for that calendar year. If a project already has adopted a standardized unique and meaningful field activity naming convention, there are ways to incorporate it into the system. Please do not use strictly geographic specific PRJs. We strongly suggest using topical ones instead, since locations may be revisited for various purposes during a field season. Arnell Forde (aforde@usgs.gov; (727) 803-8747 x3111) will coordinate assigning these Field Activity Ids with input from the PIs or project data managers.