

USGS CMSC FACS OVERVIEW LOG
ACTIVITY ID: 13CCT04

TOPIC	INFORMATION
USGS ACTIVITY ID:	13CCT04
OTHER ID (IF ANY):	MsCIP
ORGANIZATION(S)/PROGRAM:	USGS SPCMSC and USACE
PROJECT/THEME:	Coastal Change and Transport
AREA OF OPERATION:	Offshore of Petit Bois Island, MS
PRINCIPAL INVESTIGATOR(S):	James G. Flocks
INFORMATION SPECIALIST(S):	Julie Bernier, William Pfeiffer, Nancy DeWitt, Kyle Kelso, and Dana Wiese
ACTIVITY TYPE:	Sand resource mapping
SCIENTIFIC PURPOSE/GOALS:	Identify sand resources for barrier island restoration
PLATFORM:	R/V <i>Tommy Munro</i>
STARTING DATE:	August 13, 2013
STARTING PORT:	Biloxi, MS
ENDING DATE:	August 23, 2013
ENDING PORT:	Biloxi, MS
EQUIPMENT USED:	SEA SWATH ^{plus} -H 468-kHz interferometric system, Valeport sound velocity profiling unit, Valeport mini sound velocity probe, CodaOctopus F190R Precision Attitude and Positioning System DGPS/IMU, EdgeTech 512i chirp subbottom profiler, EdgeTech 424 chirp subbottom profiler, Klein System 3900 side scan sonar, laptop computers for acquisition and on-boat processing, Ashtech Z-Xtreme DGPS receiver, Thales choke ring antenna, and Hypack Hydrographic survey software.
INFORMATION TO BE DERIVED:	Seafloor morphology and lithology, subsurface stratigraphy, and sand isopach.
SUMMARY OF ACTIVITY AND DATA GATHERED:	Interferometric swath bathymetry (129 lines), side scan sonar (113 lines), chirp subbottom profiles (129 lines), and sound velocity profile casts (37).
STAFF:	Jim Flocks, Jack Kindinger, Julie Bernier, Nancy DeWitt, Kyle Kelso, Dana Wiese (USGS SPCMSC), and William Pfeiffer (Cherokee Nation Technology Solutions)
NOTES:	Digital FACS logs were generated by J. Bernier using handwritten field logs and personal accounts of the crew members.