

**USGS CMSC FACS OVERVIEW LOG**  
**ACTIVITY ID: 13BIM01**

<b>TOPIC</b>	<b>INFORMATION</b>
USGS ACTIVITY ID:	13BIM01
OTHER ID (IF ANY):	
ORGANIZATION(S)/PROGRAM:	U.S. Geological Survey, St. Petersburg Coastal and Marine Geology Center
PROJECT/THEME:	Barrier Island Mapping (BIM)
AREA OF OPERATION:	Dauphin Island, Alabama
PRINCIPAL INVESTIGATOR(S):	Christopher G. Smith
INFORMATION SPECIALIST(S):	Arnell S. Forde
ACTIVITY TYPE:	Geophysical and sediment surveying
SCIENTIFIC PURPOSE/GOALS:	To collect sediment cores and geophysical data to assess marsh history.
PLATFORM:	
STARTING DATE:	April, 13, 2013
STARTING LOCATION:	St. Petersburg, Florida
ENDING DATE:	April, 20, 2013
ENDING LOCATION:	St. Petersburg, Florida
EQUIPMENT USED:	Vibracorer, Push Corer, GPS, Ashtech Z-Extreme DGPS, tripods, Thales choke rings, Ground Penetrating Radar (GPR) laptop computers for acquisition and processing,.
INFORMATION TO BE DERIVED:	Core descriptions, bulk density, LOI, Pb-210, Cs-137, foram assemblages, and GPR profile data.
SUMMARY OF ACTIVITY AND DATA GATHERED:	<ul style="list-style-type: none"> <li>• 65 lines of GPR (linear distance approximately 25 mi)</li> <li>• 10 push-cores (equivalent 5.3 m)</li> <li>• 6 peat augers (equivalent 10.5 m)</li> <li>• 15 vibracores (1 duplicate; equivalent 30.5 m)</li> </ul>
STAFF:	Christopher G. Smith, Nancy DeWitt, Arnell Forde, Kyle Kelso, Joseph Long, Marci Marot, Lisa Osterman, Billy Reynolds, Miriam Jones, Chris Sherwood (WHSC) and Kathryn Richwine
NOTES:	FACS logs were generated by A. Forde from digital field logs and personal accounts of crew members.