

USGS CMSC FACS OVERVIEW LOG
ACTIVITY ID: 2014-301-FA (14CTB)

TOPIC	INFORMATION
USGS ACTIVITY ID:	2014-301-FA
OTHER ID (IF ANY):	14CTB
ORGANIZATION(S)/PROGRAM:	USGS SPCMSC
PROJECT/THEME:	Hurricane Sandy Barrier Island Wetland Change; Estuarine Physical Response
AREA OF OPERATION:	Assateague Island and Chincoteague Bay, MD and VA
PRINCIPAL INVESTIGATOR(S):	Christopher Smith
INFORMATION SPECIALIST(S):	Julie Bernier
ACTIVITY TYPE:	Sediment sampling
SCIENTIFIC PURPOSE/GOALS:	Characterize the surficial sediment of washover fans and back-barrier marshes; ground-truth remote sensing change analyses; integrate data into vulnerability assessments estuarine models; establish a baseline dataset for future response scenarios
PLATFORM:	R/V <i>Mako</i> ; 19-foot Carolina Skiff
STARTING DATE:	3/26/2014
STARTING PORT:	Ocean City, MD
ENDING DATE:	4/4/2014
ENDING PORT:	Chincoteague Bay Field Station, Wallops Island, VA
EQUIPMENT USED:	Ashtech Z-Extreme DGPS receivers, Ashtech geodetic antenna, Thales choke-ring antenna, SECO collapsible tripod, GPS beach pole, AMS sand/loose sediment probe, USGS push core, Eijkelpamp peat auger, petit ponar grab sampler, YSI Pro Plus multi-parameter sensor.
INFORMATION TO BE DERIVED:	Sediment characterization (physical parameters - grain size, organic content, bulk density, radiochemistry, foraminiferal analysis).
SUMMARY OF ACTIVITY AND DATA GATHERED:	35 surface grab samples (onshore), 20 sand auger cores, 7 marsh push cores, 6 peat auger cores, 46 estuarine grab samples, 41 estuarine water column samples.
STAFF:	Julie Bernier and Alisha Ellis (USGS SPCMSC), Scott Adams (CNTS), Nick Nidzieko (Horn Point Lab)
NOTES:	FACS logs generated by J. Bernier from handwritten field logs and notes.