

Resume



ANDREW W GILES III
Senior Technical Associate
Survey Party Chief

Education

B.S. University of South Carolina 2009

Experience Highlights

Captain Andrew Giles is a Technical Associate specializing in bathymetric and topographic field data collection and data management for Coastal Science & Engineering (CSE) (2006-present). Mr. Giles holds a BS from the University of South Carolina. He is a Coast Guard-licensed Master, has Hypack® Certification (2014), and certified in CPR/First-Aid. His field data collection experience includes topographic and bathymetric surveys using the newest methods of Real-Time-Kinematics positioning (RTK-GPS) utilizing Virtual Reference Station (VRS) and Real Time Networks (RTN) for achieving centimetric-level accuracy. He is a CSE dive operations team member with experience in low to zero visibility and tidal currents. He also has experience with sediment collection on-land and in deep water.

Technical Experience

Captain Giles has experience operating research vessels engaged in bathymetric data collection as a coxswain and as a data technician for Coastal Science & Engineering (2006-present). Giles has experience with topographic data collection using RTK-GPS, specifically using Trimble™ Survey Controller and Trimble™ R8 GNSS GPS receivers. Using RTK-GPS, Giles has collected thousands of beach profiles. He has also been highly involved in dive operations at CSE including deployment and recovery of in-situ flow meters, tide gauges, and wave gauges. He has also assisted in the collection of hundreds of borings in offshore borrow sites for beach nourishment planning.

Bathymetric and Topographic Data Collection Experience

Arcadian Shores, SC
Bal Gra Farms (Edenton, NC)
Bay Point, SC
Bear Inlet, NC
Bear Island, NC
Bogue Banks, NC
Breach Inlet, SC
Buxton, NC
Cape Hatteras National Seashore, NC
Captain Sam's Inlet, SC
Daufuskie Island, SC
Debidue, SC
Deweese Island, SC
Edisto Beach, SC
Folly Beach County Park, SC
Fripp Inlet, SC
Garden City beach, SC
Harbor Island, SC
Hilton Head Island, SC
Hunting Island, SC
Huntington Beach State Park, SC
Isle of Palms, SC
Kiawah Island, SC
Kiawah River, SC
Litchfield Beach, SC
Lockwoods Folly Inlet, NC
Moriches Inlet, NY
Myrtle Beach, SC
Nags Head, NC
North Myrtle Beach, SC
Oak Island, NC
Oregon Inlet, NC
Pawley's Island, SC
Port of Moorehead City, NC
Rodanthe, NC
Seabrook, SC
Shackleford Banks, NC
Smith Point, NY
Southampton, NY
Sullivans Island, SC
Surfside Beach, SC
Waties Island, SC

Professional Certifications

Licensed Captain – 50 GRT USCG Master
Near Coastal #272015
SSI-Certified Open Water Diver
AHA CPR/First Aid-Certified

Software Program Capabilities

HYPACK® 2014
Trimble® Business Center™