



# ANDREW W GILES III

SENIOR TECHNICAL ASSOCIATE

Email: [dgiles@coastalscience.com](mailto:dgiles@coastalscience.com)

## PROFILE

Captain Andrew Giles is the Senior Technical Associate overseeing field operations and specializing in bathymetric and topographic field data collection and data management (2006–present). Mr. Giles holds a BS from the University of South Carolina. He is a Coast Guard licensed Master, FAA licensed UAS pilot, and has HYPACK® Certification (2017). His field data collection experience includes topographic and bathymetric surveys using the latest methods of Real Time Kinematics positioning (RTK-GNSS) utilizing Virtual Reference Station (VRS) and Real Time Networks (RTN) for achieving centimeter-level accuracy.

## PROFESSIONAL CERTIFICATIONS

USCG Licensed Captain – 50 GRT Master #272015  
FAA Licensed UAS Pilot – Remote Pilot #3971935  
SSI–Certified Open Water Diver  
AHA CPR/First Aid Certified

## SOFTWARE PROGRAM CAPABILITIES

HYPACK®  
Trimble® Business Center  
Global Mapper®

## TECHNICAL EXPERIENCE

Captain Giles leads, supervises, and plans all CSE field data collection operations (2013-present).

Giles has experience operating research vessels engaged in bathymetric data collection as data technician and as coxswain (2006-present).

Giles specializes in topographic and bathymetric data collection using RTK-GNSS, specifically using the Applanix™ POS-MV and Trimble® R10 GNSS receiver. Using RTK-GNSS, Giles has collected thousands of beach profiles for the purpose of sediment transport monitoring.

He has been highly involved in dive operations at CSE including deployment, recovery, and operation of in-situ flow meters, tide gauges, wave gauges, and acoustic Doppler current profilers (ADCP).

Giles has also assisted in the collection of hundreds of borings in offshore borrow sites for beach nourishment planning.

## EDUCATION

BS. University of South Carolina

## BATHYMETRIC & TOPOGRAPHIC DATA COLLECTION EXPERIENCE LOCATIONS

- Arcadian Shores, SC
- Bay Point, SC
- Bear Inlet, NC
- Bear Island, NC
- Bogue Banks, NC
- Breach Inlet, SC
- Buxton, NC
- Cape Hatteras National Seashore, NC
- Captain Sams Inlet, SC
- Daufuskie Island, SC
- DeBordieu, SC
- Deweese Island, SC
- Edisto Beach, SC
- Folly Beach, SC
- Fripp Island, SC
- Garden City Beach, SC
- Harbor Island, SC
- Hilton Head Island, SC
- Hunting Island, SC
- Huntington Beach State Park, SC
- Isle of Palms, SC
- Jumby Bay Island, Antigua
- 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
- Sea Island, GA
- Seabrook, SC
- Shackleford Banks, NC
- Smith Point, NY
- Southampton, NY
- Sullivan’s Island, SC
- Surfside Beach, SC
- Waties Island, SC