



RANDALL "Randy" CORBIN

Environmental Technician

ACADEMIC BACKGROUND

A.S. in Marine Environmental Technology, Florida Keys Community College, Key West, FL, 2012

B.S. in Earth Science, University of Wisconsin River Falls, River Falls, WI, 1975

SPECIALIZED PROFESSIONAL COMPETENCE

Mr. Corbin is knowledgeable in temperate and tropical wetland and marine ecological systems. He is familiar with various sampling and analytical techniques for field data collection, water quality sampling and assessment, and identification and enumeration of tropical wetland and marine species including mangroves and coastal marshes, seagrasses, fish, invertebrates and corals, and is trained and experienced in coral nursery and transplantation methodologies. Mr. Corbin is currently focusing his professional career on benthic assessments, implementation of mitigation plans for unavoidable wetland or benthic impacts, and environmental compliance monitoring during construction to ensure adherence to permit conditions.

REPRESENTATIVE PROFESSIONAL EXPERIENCE

Environmental Monitor, SWC, July 2013-present

Monroe, Miami-Dade and Broward County offices, FL

Provide onsite monitoring of construction operations to ensure permit compliance and identify and assist in prevention or response to any impacts to nearshore water quality, wetlands or submerged resources.

➤ **Preliminary Benthic Assessment, Caloosa Cove Marina, Islamorada**

Conducted snorkel assessment of submerged habitats in marina and entrance channel for assessment of whether permits would be attainable for maintenance dredging.

➤ **Environmental Compliance Monitor, 13-part Television Series being filmed in Upper Keys**

Participate in all film sequences that take place in environmentally sensitive areas to assist in preventing impacts to wetlands and benthic habitats, consistent with conditions of Florida Keys National Marine Sanctuary permit. Assist with determining what additional permits might be required at potential film sites.

➤ **Environmental Compliance Monitor, Islamorada Wastewater System Horizontal Directional Drill (HDD) Under Seven Channels**

Fulltime monitor responsible for oversight of HDD activities to ensure environmental resources are protected and all permit conditions are met. Work includes being onsite during all construction

activities, preparing a daily log that includes drill pressure, walking the corridor repeatedly to detect any frac-outs of drill material in channels (none to date), preparing summary reports at completion of work at each channel, and preparing a final summary report. PM Wynne Grubbs, 770-431-8666.

RECENT RELEVANT PROJECT EXPERIENCE

Field Application in Marine Science: Monitoring Caribbean Reef Fish, 2012

Designated team leader for coordinating the results of Caribbean reef fish monitoring survey done in Bonaire. Using the Bohnsack-Bonnerot stationary fish survey method, each team collected data on multiple reefs for comparison to previous surveys. Both a technical report and Power Point presentation were generated with the results.

Coral Reef Conservation and Restoration, 2012

Participated in preparing and maintaining coral nurseries for Acroporid species with both the Coral Restoration Foundation in Key Largo and the FKCC nursery in Key West. Prepared coral clippings for nursery and out-planted mature colonies on designated reefs.

Marine Data Collection, 2012

Participated in field-oriented marine data collection and establishment of marine data base for selected coral reef, sea grass and mangrove ecological systems. Survey emphasis was on population dynamics, succession and establishment of density, dominance, frequency and important values for sessile invertebrates and marine plants.

Coral Reef Biology and Management, 2011

Study and field application of the biology of corals, coral reefs, including the ecological principles of competition, diversity, symbiosis, disturbance, adaptation, reproduction and recruitment. Also examined the impact of wetlands, mangrove and seagrasses on the overall health and development of coral reefs. Studied the management and conservation practices of the Florida Keys National Marine Sanctuary.



Field Application in Marine Science: Assessment of Coral Reef Habitats, 2011

Conducted multiple Caribbean coral reef assessments in Bonaire using both RECON and Reef Check assessment methods. As team leader was responsible for assigning survey duties, monitoring progress and verifying accuracy of data collected. Developed technical report comparing findings to previous papers and presenting a theory as to any changes in the health of the reefs that were identified.

Basic Scientific Research Diving

Practical application of the tools and techniques for collecting scientific data through the use of scuba diving skills and research methodology as applied to the fields of shipwreck archaeology, physical oceanography and marine biology. Through the use of quadrants, transect lines, sample collection equipment and photography, collected data on various coral reefs and archaeological wrecks throughout Key West. Assisted with deployment of water quality monitoring station for the EPA.

CERTIFICATIONS AND TRAINING

- Qualified Stormwater Management Inspector, DEP
- Emergency First Response, CPR/AED/First Aid and DAN O2 Provider
- Certified PADI Divemaster
- AAUS Scientific Research Diver via reciprocity from Florida Keys Community College Marine Environmental program, Key West, FL
- Certified RECON Survey Diver & Reef Check Trainer

