

# CASE STUDY

## Recreational

### Project Specs

**Location:** Green Turtle Cay, Abaco, Bahamas Out Islands

**Application:** Dock & Boat Lift

**Product:** Ecograte® Dark Gray Molded Grating, Corvex® Resin System, and Hold Down Clips

### Overview

Green Turtle Cay is an island among the Abaco Out Islands in The Bahamas. The island lies 160 miles off the South Florida Coast. It was named after the abundance of green turtles that inhabited the area. A homeowner on the island was looking to build a multi-purpose dock and boat lift that could withstand storm surges, often found in this type of coastal environment.

### Problem

Aside from wanting a multi-purpose dock and boat lift that would provide access to the Sea of Abaco and could withstand storm surges, the homeowner also required a decking surface with at least a 43% open area. This meets with the guidelines of the Army Corps of Engineers that are in place to protect seagrass beds found below docks, in shallow marine environments.

### Solution

Fibergrate was able to meet the requirements of the homeowner with Ecograte® molded grating. The 46% open area of Ecograte exceeds the 43% minimum open area guideline set forth by the Army Corps of Engineers. Fibergrate's Ecograte product also proved to exceed the expectations of the homeowner! The Aquagrit surface of Ecograte provides a bare-foot friendly, slip resistant surface. Fibergrate's Corvex® resin system will also protect the Ecograte decking surface from corrosion and will last, with very little maintenance, in this saltwater environment. The features and benefits of Fibergrate's FRP products will help ensure the owner's investment for years to come. This project generated quite a bit of interest around the community for its aesthetics and its unique application involving the NO-Profile lift, which conceals all mechanical components of boat lifts underneath the dock.

