size characteristics and color of the sediment. Ideally, the sediment should be of about the same grain size characteristics as the sand originally occurring on the beach. An important characteristic relating to turbidity and sedimentation in both the borrow and placement areas is the percentage of fine sediments in the material dredged. Also too great a fine sediment content will cause a partial cementation of the sediment placed on the beach and thus adversely affect turtle nesting.

Solution - Ensure, through an extensive sediment coring program, that the best quality sediment available is being used and that the sediment contains less than 5% silt and clay. Additionally, require adequate set-backs from the reef, state-of-the-art positioning equipment on the dredge and marking of the borrow area and reef perimeter with floating buoys for easy visual identification.