

## **ABSTRACT**

Aptim Coastal Planning & Engineering of North Carolina, Inc. (APTIM) was contracted by Duck, North Carolina to provide a topographic and hydrographic survey for the 2018 Annual Monitoring Beach Profile Survey. The 2018 annual monitoring consisted of thirty-six (36) profile stations. APTIM surveyors conducted the beach and hydrographic surveys June 13, 2018 through June 16, 2018.

The physical monitoring of the Town of Duck included topographic and hydrographic surveys of the beach and offshore areas. The monitoring data is necessary to observe and assess beach conditions for future construction. Monitoring surveys are further needed to continually observe the performance of the nourishment project as well as assess effects of said project on adjacent shorelines.

The scientific monitoring processes provide information necessary to plan, design, and optimize subsequent follow up projects. The information gathered may potentially reduce the need for, and cost of, unnecessary work as well as potentially reducing any environmental impacts that may have occurred or are to be expected.