

City of St. Augustine

Mooring Field Study

Location

Pinellas County, FL

Year Complete

2010

Client

Moffatt and Nichol



ESA Scheda scientists surveyed five areas totaling approximately 100 acres in the St. Augustine Inlet, St. Johns County, Florida. Scientists conducted a survey using side scan sonar and towed video technology to characterize benthic habitats of four mooring fields and an adjacent marina. ESA Scheda scientists surveyed the selected areas by running overlapping parallel transects and then “tie lines” (perpendicular transects) to examine the basin’s entire bottom. Areas showing unique signatures were marked with marker buoys and were then examined using a towed video camera or directly by Scheda divers using SCUBA. The areas of interest identified were then delineated from the surface using a Trimble GeoXT GPS unit (with sub-meter accuracy). These features were later

downloaded and depicted on aerial photographs and submitted with the project’s summary report. Three mooring field sites were then designed and permitted, by the design team, for the City of St. Augustine.