

PROJECT: Coastal Resource Area Delineation and Wetland Permitting, Eel Point Road, Nantucket, MA

CLIENT: Private Land Owner

This was a multi-stage project involving coastal wetland resource area delineation under both State and local wetland regulations, subsurface sediment investigation using shallow cores and Ground Penetrating Radar, rare plant species delineation, permitting of two beach access walkways, and the permitting of a single family residence on portions of a 12 acre parcel located along the northern shore of Nantucket. Epsilon collected and analyzed 40 sediment cores and 1.5 miles of radar transects and performed a coastal resource area delineation and survey using high precision GPS and laser total station. Epsilon prepared and submitted three sediment analysis reports and two Notice of Intent applications to the Nantucket Conservation Commission on behalf of the client resulting in State and local approvals for the single family residence and walkways.



PROJECT: Shoreline Retreat Analysis and Coastal Wetland Permitting, Eel Point Road, Nantucket, MA

CLIENT: Great Pond Development



This project was designed to evaluate both short term and long term shoreline retreat rates along a portion of the north shore of Nantucket for the potential purchase and residential development of a 4 acre property. Epsilon performed an assessment of existing coastal wetland resource areas, an evaluation of historic short-term and long-term shoreline retreat rates, an evaluation of future shoreline retreat, and an assessment of potential “soft” shoreline protection measures along the subject property. Epsilon prepared and submitted a report detailing existing, historic, predicted shoreline conditions, and suggested shoreline protection at the subject property. Subsequent work included coastal wetland permitting for coastal bank stabilization, dune nourishment, beach access stairway, and an in-ground swimming pool within wetland buffers.

PROJECT: Shoreline Retreat Analysis, Wanoma Way, Nantucket, MA

CLIENT: Private Land Owner

This project was designed to evaluate both short term and long term shoreline retreat rates along a portion of the south shore of Nantucket for potential residential development. Epsilon performed an assessment of existing coastal wetland resource areas, an evaluation of historic short-term and long-term shoreline retreat rates, and an evaluation of future shoreline retreat along the subject property. Epsilon prepared and submitted a report detailing existing, historic, and predicted shoreline conditions at the subject property.

