



CASE STUDY PROJECT AQUAMARINE

Export Cable Route Geotechnical Survey

In 2022, Bluefield Geoservices undertook export cable route survey campaigns at Ocean Wind and South Fork Wind for Ørsted. Bluefield Geoservices US mobilised the OSV Danielle Miller for the route survey utilising their 100kN ROSON CPT system, High-powered Vibrocore system, thermal resistivity probe along with the offshore lab. Following the field operations Bluefield managed an extensive onshore laboratory testing programme including basic, advanced, and sedimentological soils testing.



Tests conducted during the campaigns included:

43 Cone Penetration tests to 6 m

110 Vibrocore tests to 6 m

29 Vibrocore tests to 6 m for Cultural Analysis

14 In situ thermal resistivity testing

Onshore lab testing



Client	Location	Duration	Water Depth
Ørsted	New Jersey	54 Days	11 - 49 metres



The Bluefield Geoservices team has successfully completed hundreds of offshore survey projects, including geotechnical investigations from drillship, state-of-the-art robotic seabed drill rigs, shallow seabed investigations using various types of seabed testing and sampling systems in all water depths.

With over 100 years of combined experience in offshore geotechnical engineering and geotechnical surveys, and a track record for a commitment to data quality, safe working practices, and innovation, Bluefield is well placed to provide a variety of subsea

services. Bluefield designs and operates a range of ROV-deployed geotechnical survey tools including CPT, samplers, and T-Bar testing equipment.

As leaders in geotechnical engineering for trenching and seabed mining, Bluefield brings an integrated approach to projects, blending geotechnical, geophysical, environmental, metocean and other related disciplines to deliver solutions that meet client's exacting needs for shallow and deep-water projects. Bluefield also offers conventional geotechnical systems for offshore soil and rock seabed investigations.

UK

📍 The Guild Hub
High Street
Bath, BA1 5EB

☎ +44 (0)7962 041451

THE AMERICAS

📍 8502 SW Kansas Ave.
Stuart, FL 34997

☎ +1 (772) 219-3000

📍 Innovate Newport Bldg
513 Broadway
Newport, RI 02840

EMAIL

✉ info@bluefieldgeo.com