

Marine spatial planning services



With the continued pressures and growth in marine environments WWT Consulting is able to offer a wide range of marine survey and data analysis services that can inform or drive marine spatial planning

With over 10 years experience of designing and completing aerial surveys in offshore areas WWT Consulting have already worked for a wide range of developers, energy companies and government departments



As well as offering aerial survey techniques WWT Consulting holds one of the UK's largest offshore datasets for seabirds and marine mammals enabling the completion of a wide range of mapping and statistical analysis projects

Our services

- Marine line transect visual aerial surveying and remote sensing
- Data extraction requests
- Database creation and manipulation
- Data analysis such as distance analysis, Density Surface Modelling (DSM) and Population Viability Analysis (PVA)
- Species sensitivity scoring and mapping
- Collision Risk Modelling (CRM) for wind farms





Example Projects

- The creation of a joint database that incorporated aerial and boat survey datasets into a single database
- The development of a seabird sensitivity index for tidal and wave turbines in Welsh waters. This has been further developed as a tool for mapping sensitivities to different fishing techniques
- Gannet PVA analysis for all UK offshore windfarms
- Seabird sensitivity mapping for windfarms in English offshore areas. This included the creation of large scale datasets that utilised numerous data sources, spatial analysis using Density Surface Modelling (DSM) and GIS processing to create a practical tool for marine spatial planning

Clients

Clients include government departments, renewable energy developers, engineering consultancies and academic institutions