

Project 41 – Bathymetric Risk Based Methodology (RBM)

Overview – The Bathymetric Risk Based Methodology allows for strategic decision making when determining which Welsh marine areas should be prioritised for bathymetric survey investment by the WCMC. The bathymetric surveys will provide an understanding of system-wide influences on coastal erosion and inshore flood risk to support FCERM decisions.

A **scoring system** has been developed to quantify the **risk** associated to each SMP unit based on five key factors:

1. RBM Score
2. Superficial Deposits
3. Wave Climate (Wave height)
4. Tidal Range
5. Time of Latest Survey

Aim - To develop and produce a nation-wide scheme that classifies marine areas using a risk scoring system to help determine bathymetric survey investment priorities.

Who - Hannah Richards, Ben Davies, Lucy Attwood, Gwyn Nelson

Results – A Risk Based Methodology (RBM) system has been created in line with the WCMC's pre-existing coastal monitoring RBM, risk scoring off-shore areas for prioritisation of bathymetric surveys.

