

Job Description

FCERM Graduate Engineer

Role Profile	Specialist Band H
Service/Team	Flood and Coastal Erosion Risk Management (FCERM)
Reports to	FCERM Strategy, Policy & Environment Manager
Responsible for	0
Number of posts	1.0 FTE
Post number	TBC
Career Grade	N/A

My job improves the quality of life for the people of Bournemouth Christchurch and Poole, East Devon and the wider South - West area working collaboratively with partner organisations, by undertaking a range of tasks to support delivery of FCERM activities and so secure positive outcomes for communities at risk of flooding and coastal erosion now and in the future as the climate changes.

Job Overview

This role will involve undertaking a range of activities in support of FCERM projects delivered by the BCP Council and East Devon District Council Shared Service as well as broader South West partner organisations). Activities will include undertaking surveys, coastal process analysis and interpretation, and research to inform scientific understanding to support delivery of beach, sand dune and cliff monitoring, coastal flood and erosion risk assessment, beach management plans, economic appraisals, strategic coastal planning including coastal change adaptation, and stakeholder engagement. This role offers the opportunity for a motivated graduate to develop experience of a wide range of activities that are required to deliver FCERM projects.

Key Responsibilities

- To undertake regular coastal monitoring topographic and drone surveys and analysis of coastal monitoring data to identify if defined management trigger levels are being approached / have been reached. This will include:
 - Analysis of beach profile survey data.
 - Analysis of aerial photography and LiDAR data using GIS to assess shoreline and cliff change over time.
 - Supporting colleagues in undertaking topographic surveys using GPS survey equipment.
- To undertake FCERM asset and cliff inspections, supporting maintenance of asset databases to ensure up to date information is available to inform FCERM decision-making. Prepare coastal process analysis reports to convey how the coast has evolved, are currently behaving, and likely future evolution to identify present and future risks posed from coastal flooding, erosion and landsliding.
- Support planning and delivery of beach, sand dune and cliff management plans, coastal risk management strategies, coastal change adaptation plans and research projects, including leading on tasks under supervision. Tasks will include:
 - Providing insight on coastal processes at work in different parts of the coast.
 - Undertaking economic and technical assessment of management options.
 - Producing technical reports and presentations to convey findings and recommendations to a variety of audiences.

This job description is not exhaustive and reflects the type and range of tasks, responsibilities and outcomes associated with this post.

- Support delivery of stakeholder engagement activities on FCERM projects, for example assisting with workshops or drop-in events.
- To work in accordance with agreed policies and procedures of BCP Council.
- To comply with all decisions, policies and standing orders of BCP Council, and any relevant statutory requirements, including Equal Opportunities legislation, Health and Safety at Work Act and Data Protection Act.

Specific Qualifications and Experience

- Degree level qualification in a relevant field or equivalent experience.
- Evidence of experience in analysing and interpreting coastal monitoring data.
- Demonstrable knowledge of FCERM appraisal and funding processes and implications of non-compliance.
- Demonstrable knowledge of environmental designations and consenting processes and implications of non-compliance (e.g. Habitats Regulations)
- Demonstrable knowledge of how the FCERM sector operates, current and emerging FCERM issues, relevant guidance to be followed, and broader commercial awareness.
- Experienced in using a wide range of IT programmes relevant to the role including Outlook, Word, Excel, Publisher and QGIS.

Personal Qualities & Attributes

- Able to analyse data accurately to produce reports to inform project decisions / service delivery improvements.
- Able to effectively prioritise workload in an environment of change and manage competing demands effectively.
- Excellent interpersonal and oral and written communication skills and ability to present information in a focussed way.

Job Requirements

- Must be able to travel, using public or other forms of transport where they are viable, or by holding a valid UK driving licence with access to own or pool car.
- Must be willing to work occasional evenings and weekends to facilitate surveys and support engagement events.

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