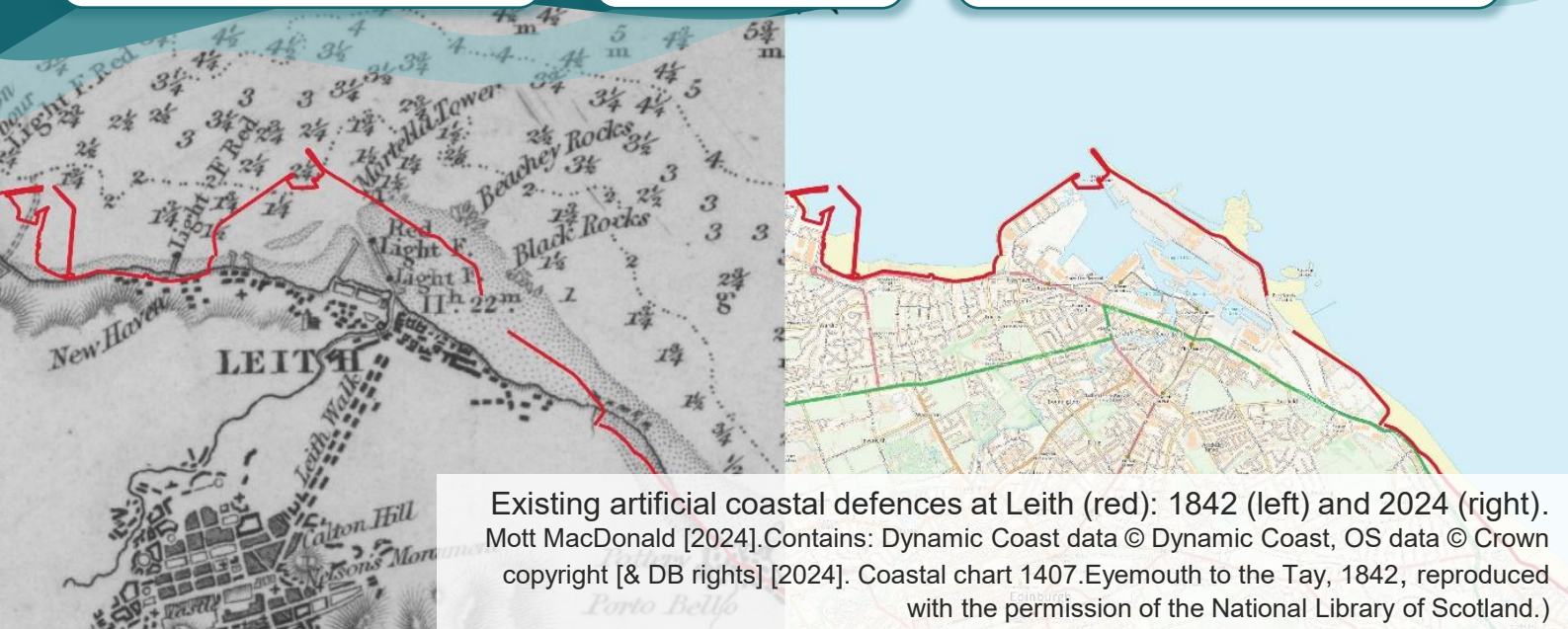


Edinburgh CCAP Infrastructure Owner Consultation

April '24 to July '25

£30,000

City of Edinburgh Council



Existing artificial coastal defences at Leith (red): 1842 (left) and 2024 (right). Mott MacDonald [2024]. Contains: Dynamic Coast data © Dynamic Coast, OS data © Crown copyright [& DB rights] [2024]. Coastal chart 1407. Eyemouth to the Tay, 1842, reproduced with the permission of the National Library of Scotland.)

Overview:

The historical evolution of the Edinburgh coast has been directly connected to the development of major infrastructure including ports, bridges and land reclamation. The development of Edinburgh's CCAP must consider third-party plans for existing commercial and industrial functions.

The case study will present the outcomes of engagement about present and future coastal process with owners of five major infrastructure assets: Forth Ports Leith, Seafeld Wastewater Treatment Works, Forth Bridge, Queensferry Crossing, and Forth Road Bridge.

What we are hoping to learn:

We hope to develop a strong understanding of the benefits, implications, and challenges of coastal adaptation for asset owners. This will allow for better informed CCAP policies and triggers and increase awareness of the reality of future coastal adaptation.

This should improve Edinburgh's CCAP by integrating government, community & infrastructure owners' aspirations. Our findings will be relevant to other urban shores.

"By engaging early with our partners, we will better understand how these owners' plans will affect the City of Edinburgh's CCA Plan, and vice versa. Productive dialogue with stakeholders is a vital part of our CCA Plan. We look forward to exploring and sharing the findings with other local authorities facing similar challenges".

Stephen Knox, The City of Edinburgh Council

#adapt

#community

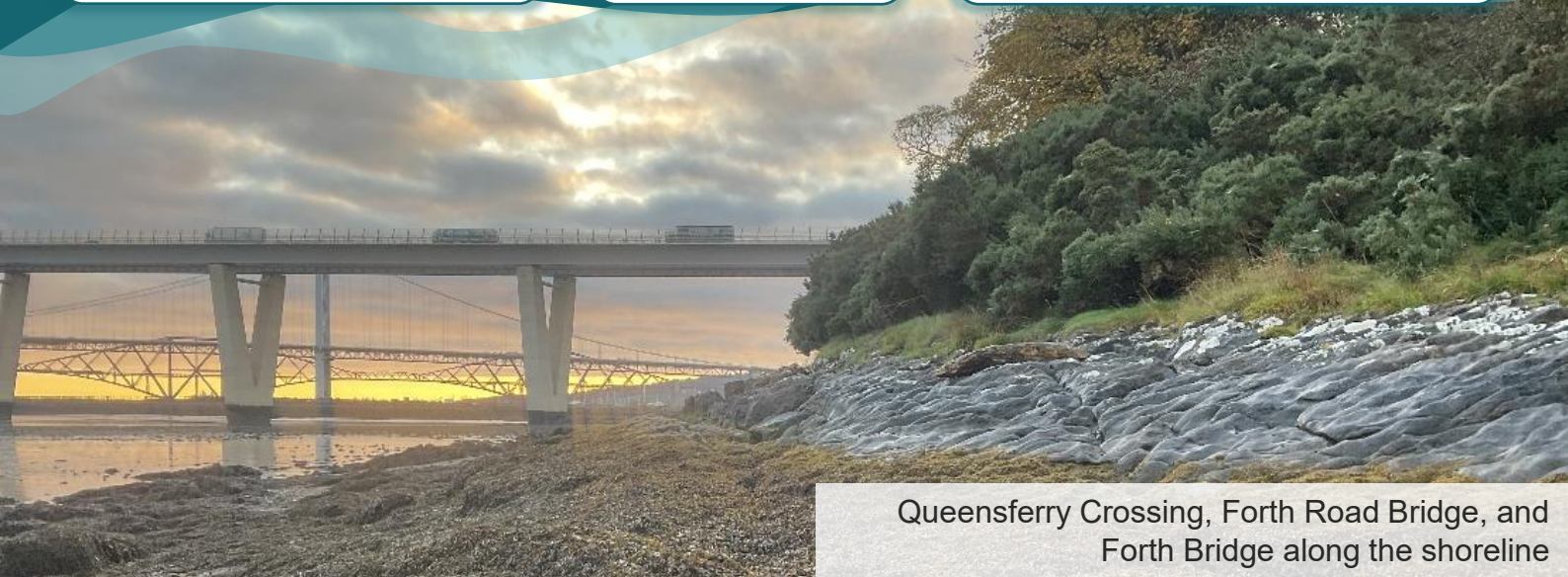
#infrastructure

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Queensferry Crossing, Forth Road Bridge, and Forth Bridge along the shoreline

Overview:

The case study will inform the development of CCAP policies, highlight the role of these policies in adaptation along the Edinburgh coastline, and reveal the best methods for undertaking these engagements.

What we have learnt so far:

Asset owners have a varied understanding of long-term coastal change and adaptive approaches, and this has required a tailored approach to consultation with these different owners.

Asset owners currently rely on the existing coastal management approach for their assets. Prior to consultation, some asset owners were not considering changes to this approach.

Asset owners are better-informed of the relevance and benefits of coastal adaptation in the long term, and the importance of a CCAP to guide such procedures.

We better understand the areas of concern, direct and indirect impacts, and anticipated knock-on effects of coastal adaptation.

This will allow CCAP policies and triggers to be better-informed and more effective.

“Infrastructure owners along our frontage are now aware of long-term coastal change adaptation and the role of CCAPs. We look forward to continued collaboration to develop better-informed coastal management approaches.”

Gordon McOmish, The City of Edinburgh Council



#adapt

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Edinburgh CCAP Infrastructure Owner Consultation

April '24 to Mar. '26

£30,000

City of Edinburgh Council



Forth Bridge, UNESCO World Heritage Site

Overview:

We met with key infrastructure owners to understand how they manage their assets, how the assets should influence the Coastal Change Adaptation Plan, and what role the plan may have going forward.

Our consultation focused on the following critical infrastructure:

(i) Queensferry Crossing (ii) Forth Road Bridge (iii) Forth Bridge (iv) Granton Harbour (v) Leith Port (vi) Water and sewerage incl. the Seafeld Wastewater Treatment Works

What we have learnt so far:

The approach to asset management varies by organisation, depending on the needs of their infrastructure and system interactions.

Infrastructure owners are operating under the assumption that the current coastal management approach will continue indefinitely *i.e.* that all existing coastal defences will be maintained and replaced at end-of-life by the asset owner. Many asset owners have high-level Climate Adaptation Plans, but these are not yet always applied to local asset management.

We better understand the areas of concern, direct and indirect impacts, and anticipated knock-on effects of coastal adaptation. This will allow CCAP policies and triggers to be better-informed and more effective.

CCAP policies have the potential to both enable and impede future expansions and improvements to critical infrastructure.

“Infrastructure owners along our frontage are now aware of long-term coastal change adaptation and the role of CCAPs. We look forward to continued collaboration to develop better-informed coastal management approaches.”

Gordon McOmish, The City of Edinburgh Council



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