

Appraising the options



Critical Success Factors

These are the project outcomes that are crucial to the successful delivery of the project and differ from the Objectives which identify aspirational outcomes.

Strategic Fit

The option should substantially reduce flood risk from sea and main rivers. It should align with the relevant flood risk management strategies, policies, guidance and deliver wider benefits to the locality.

Potential Value for Money

The option should achieve a positive cost benefit ratio. It should deliver efficiencies and minimise costs associated with future maintenance and operational requirements.

Supplier Capacity and Capability

The option must match the capacity and capability of potential suppliers to deliver it.

Potential Affordability

The option must meet the requirements and deliver outcomes to be eligible for funding via Welsh Government Flood Risk Management Grant in Aid. The option should consider opportunities to provide benefits to potential funding partners.

Potential Achievability

The option must be physically possible to construct within the constraints in the area. The relevant consents and permissions must be securable. The Risk Management Authority must be able to meet the long-term management and maintenance needs of the option.



Investment Objectives

The project investment objectives have been established through early dialogue with stakeholders and are presented in the following table. These investment objectives are aspirational and set out 'where we want be' or 'what we want to achieve'. and are not so narrowly defined so that they set limits on what is possible.

- 1 Anticipate the effects of climate change and seek to reduce the flood risk and impact to properties, transport infrastructure and risk to life associated with fluvial and tidal flooding from the Erch, Rhyd-hir and overtopping and breaching of Pwllheli's Coastal frontage.
- 2 Increase performance of the existing flood defences and control structures, including reducing the short to long-term operational maintenance and health and safety liabilities.
- 3 Understand evolution of coastal processes and the timeframe and trigger points for SMP policy implementation. Put forward solutions that will deliver against the SMP2 policies for the various Pwllheli frontage sections that will be adaptable to wider strategies set out by NRW and GC.
- 4 Seek to deliver a flood risk solutions that can demonstrate delivery against SMNR principles and benefits. Supporting Welsh Government climate and biodiversity emergency priorities.
- 5 Seek to maintain and enhance biodiversity and ecosystem resilience, through working with Natural Flood Management (NFM) and identifying wider opportunities in the catchment.
- 6 Through effective engagement consider the needs and views of the local community and stakeholders.
- 7 Seek to support amenity and regeneration in Pwllheli and where possible enhance, natural, historic, visual and built environments in order to support local culture and the Welsh language.
- 8 Seek to promote sustainable management of the dunes (a priority habitat), whilst improving access and improving social and recreational cohesion.
- 9 Identify options within a 'Coastal Adaptation Plan' for habitat creation, restoration and enhancement in support of Sustainable Management of Natural Resources (SMNR) and conservation priorities.
- 10 In conjunction with the public and stakeholders, support the planning and communication of a 'Coastal Adaption Plan' for the western and eastern Pwllheli coastal flood plain.