**The Kendal Flood Risk Management Scheme**

**Proposed Flood Storage at Kentmere Tarn (Phase 3):**
- Could provide a storage volume of circa 1.2 million m$^3$.
- Control structure would restrict the pass forward flow to circa 41 m$^3$/s.
- Approximate dimensions: 160 m long embankment with average height above existing ground level of 1.9 m and a maximum height of 4.3 m.

**Proposed Flood Storage at Kentrigg (Phase 3):**
- Could provide a storage volume of circa 1.7 m$^3$.
- Control structure would restrict the pass forward flow to circa 183 m$^3$/s.
- Approximate dimensions: A series of embankments/walls totalling 2000 m in length, average height above existing ground level of 3.6 m and a maximum height of 6.5 m.
- The maximum height of walls of 1.8 m.
- The design includes a designated spillway.

**Linear defences in Burneside, Staveley & Ings (Phase 2):**
- 0.6 km of linear defence could be constructed in Burneside with an average height of 0.8 m and a max height of 1.4 m.
- A further 0.7 km of linear defences could be constructed in Staveley & Ings with an average height of 0.7 m and a max height of 1.2 m.

**Linear defences through Kendal (Phase 1):**
- 6 km of linear defences will be constructed through Kendal, consisting of a series of flood walls and earth embankments that will tie into areas of existing high ground.
- The defences will have an average height of 1.1 m and a maximum height of 2 m.
- Linear defences interact with several existing access points throughout the urban areas, and 14 flood gates will be incorporated to ensure that access is retained.

**Stock Beck Pumping Station (Phase 1):**
- A 1 m$^3$/s pumping station will be constructed as part of Phase 1 work, at the Stock Beck confluence with the River Kent in central Kendal.
- The pumping station will help to increase the flow through the system and to ensure that Stock Beck can still discharge even when levels in the Kent are high.

**A catchment drain on the Stock Beck (Phase 3):**
- A catchment drain up to 2 km long from Stock Beck East and North into the River Mint.
- The purpose of the overflow channel is to carry excess flow from Stock Beck East and Stock Beck North into the River Mint to reduce flows downstream.
- Also, repairs will be undertaken to the existing Stock Beck culvert.