

Why is this project needed?

What is the current level of flood risk?

The existing concrete channel of the Fowlea Brook has significant capacity and can successfully channel smaller, more frequent events. It is in events with an annual probability of 2% event (50year) and greater that the capacity is exceeded and we would see flooding. Thankfully, we have not had an event of this magnitude in living memory – the largest in the past 30years is shown below from 1998 which reached the top of the channel.



The map below shows the extent of the flooding in the 1% event (100year) from our updated flood modelling, produced as part of the design process of this scheme. There are a number of flow routes from the Fowlea Brook, all located between Shelton Old Road and the Civic Centre.

In this size event, flooding would extend from Liverpool Road through the town centre and as far as Boothen impacting over 200,000m² and flooding 214 residential and 119 non-residential properties in the process.

