Newton Stewart FLOOD PROTECTION SCHEME



Board 1: An Introduction to the Public Exhibition

Introduction

Welcome to the public exhibition event for the proposed Newton Stewart Flood Protection Scheme.

The aims of this event are to:

- Provide information on flood risk within the town;
- Outline the proposals by the Council for a flood scheme;
- Explain the process by which the flood scheme design is progressing;
- Give an opportunity for you to ask any questions to those involved in the scheme design; and
- Gather information on public opinion regarding the scheme progression



Public Exhibition

The flow chart to the right describes each board on display.

The boards provide information on the process leading to, and justification of any decision.

There will be opportunity to leave your comments for consideration in the next stage of the design process.

If you have any questions, please speak to a representative from the design team, who are available throughout the exhibition.

Terminology

Some technical terms are used to describe the study outcomes in this exhibition. These are:

Return Period

The chance of a particular flood happening in any one year. Usually expressed in the following format: *1:200 year storm*.

This means that there is a probability of 1/200, or 0.5% of the corresponding storm flow being met or exceeded in any one year.

Computational Model

A mathematical model of the river and floodplain, used to estimate

A map showing the location of potential options in the upper catchment

Board 8: Long-List of Options (3 of 3)

A map showing the location of potential options within the town

Board 9: Long-List of Options – Conclusions

Outcomes of the long-list meeting and justification for the short-list selection

Board 10: Sparling Bridge Proposals

Overview of the new Sparling Bridge and its link with flood scheme

Board 11: Short-List Options – Upstream Storage at Linloskin Bridge The outcomes from analysis of this short-list option

Board 12: Short-List Options – Installation of Obstructions on the River Cree The outcomes from analysis of this short-list option

Board 13: Short-List Options – Construction of Direct Defences The outcomes from analysis of this short-list option

Board 14: Short-List Options – Increase Flow Area Beneath A75 Bridge The outcomes from analysis of this short-list option

Board 15: Short-List Options – Increase A75 Flood Relief Culvert Capacity The outcomes from analysis of this short-list option

> Board 16: Short-List Options – Reprofile Land at Broomisle The outcomes from analysis of this short-list option

Board 17: Short-List Options – Reinstate Flood Storage Area at Water of Minnoch

The outcomes from analysis of this short-list option

flood levels.

Predicted Flood Outline The outline that the computational model estimates will flood for the stated return period storm event.

Benefit-Cost Ratio (BCR)

The ratio of estimates flood damages that are avoided by a possible flood scheme to the cost of implementing that scheme.

For a scheme to qualify for Scottish Government funding, a value greater than 1.00 is required. The greater the value, the more beneficial the scheme.



