



Briefing Note - Staindrop FAS

25/08/2017

Investigation into flood risk and solutions

The Environment Agency has now completed a study to clearly define the flood risk and the options available to mitigate the risk of flooding in Staindrop.

This study has given the Environment Agency a better understanding of the risk of flooding in Staindrop. The combined effect of flood risk from the Langley, Moor and Sudburn Becks has been considered. The hydrology of the catchment has been updated as part of this study. This study shows a reduction in the number of properties at risk from flooding in Staindrop from what had been estimated previously. The expected depths of flooding are very shallow for properties in Staindrop. Only 2 properties in Staindrop are shown to be at risk from above threshold flooding in a 1% AEP flood event.

Potential flood alleviation options have been investigated for Staindrop. Opportunities, benefits and constraints have been considered for each flood alleviation option. Linear flood defences, storage reservoirs and flood alleviation channels have all been considered for all watercourses in Staindrop. Combinations of these individual options have also been investigated. No option can be found that is cost beneficial. Subsequently the project will now be closed.

Way Forward

The preferred way forward for the Environment Agency is to continue to manage flood risk through regular maintenance. The Environment Agency will carry out routine channel maintenance to prevent gravel and vegetation build up within all three watercourses. There remains a potential for water levels to become raised during flood events if existing bridges and culverts become blocked. The condition of the watercourses will continue to be monitored by the Environment Agency and action taken as necessary.

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