

## Flood alleviation report - Northleach

The following report summarises the historic flood risk within the settlement and the work that has been undertaken to greatly reduce the flood risk. Where there is scope for further work this is also included, however the Council considers that sufficient work has been undertaken to reduce flood risk at this time and in publishing this report has concluded that no further work will be planned in the immediate future. The Council will continue to monitor the impact on settlements of high rainfall and investigation any flood events that occur, and will recommend further flood alleviation works where it is deemed appropriate.

|  |   |  |                           |
|--|---|--|---------------------------|
| <b>Settlement</b>  | <b>Northleach</b>   |  |                           |
| <b>Historical flood issues (2007 – 2013) and number of properties flood affected:</b>          | July 2007 – 15-20 properties affected<br>Nov/Dec 2012 – surface water flooding in the “All alone” area and Mill street – school and Highway flooded   |  |                           |
| <b>Flood history obtained from:</b>  | Reports commissioned by Cotswold District Council:<br>Review of the Summer 2007 floods in Cotswold District First Phase Report 18 February 2008, Second Phase Report May 2008, Second Phase – Site summary sheets June 2008, produced by Hyder Consulting<br>Site investigations conducted by CDC flood engineering team and anecdotal information from residents |  |                           |
| <b>Information used to assess suitable flood alleviation scheme:</b>                           | Reports listed above.<br>CCTV of critical culvert & site surveys by CDC land drainage team.<br>Consultation with Town Council and residents   |  |                           |
| <b>Expert advice sought:</b>   | CDC land drainage team  |  |                           |
| <b>Who was consulted:</b>  | Town Council, Highway authority, Residents  |  |                           |
| <b>Flood alleviation measures implemented &amp; date of completion:</b>                        | <b>Measure</b>  | <b>Area protected</b>                    | <b>Date of completion</b> |
|  | New surface water pipe laid along part of High street to alleviate surface water and Highway flooding   | All alone, High street and Market square | August 2013               |
| Creation of balancing pond in “All Alone” area to alleviate surface water and Highway flooding | February 2013   |  |                           |
| <b>Flood protection level achieved (i.e. 1 in 100 year flood event)</b>                        | The town is largely unaffected by the valley catchment as water is retained behind the Museum. The surface water flood protection would not normally be described in terms of risk from flood events however it is considered that the works undertaken have achieved a 1 in 30 year + 20% climate change level of protection.                                    |  |                           |
| <b>Partners involved in funding scheme:</b>  | Cotswold District Council   | £20,000                                  |                           |
|  | Gloucestershire County Council  | £27,000                                  |                           |
|  | Environment Agency  | £20,000                                  |                           |
|  | Town Council  | £3,000                                   |                           |

|   |  |
|---|--|
| <b>Outstanding sources of flood risk which could be alleviated:</b> | Surface water risk now significantly reduced. Whilst some residual risk will remain due to the topography with the steepness of the catchment area and the design of the highway drainage system, no additional engineering works have been identified which could further reduce the risk. Work in this settlement has therefore been concluded by CDC. |
|---|--|