



Aberfeldy Flood Study: Proposed Short List Options

This note serves as an overview of the proposed short list options for consideration as part of the Aberfeldy Flood Study. The objective of this study is to determine if there is a technically, environmentally, socially and economically feasible scheme to reduce flood risk to the town of Aberfeldy.

All options listed below will be considered alongside a range of non-engineered solutions.

- Local and national planning policy implementation;
- Flood warning on the River Tay;
- Recommendation of self-help measures including continuity planning, insurance, continuation of existing resilience groups and awareness raising;
- Emergency plans for homes and businesses;
- Develop improved understanding of flood risk as technology and knowledge develops in this field; and
- Signing up to relevant flood forecasting and alerts (through awareness raising).

Where possible, Natural Flood Management (NFM) could be considered for future management of flood risk in Aberfeldy. Potential and opportunities for NFM have been identified and mapped as part of the Aberfeldy flood study and information on this will be made available with the main report, due for issue in Spring 2019.

On identification of a preferred package of measures, a climate change scenario will be developed to understand the potential future impact of climate change, based on the latest available guidance.

Option	Watercourse Proposed Defence Alignment		
	River Tay	Moness Burn	Tomchulan Burn
1	<p>Hard defences (walls and embankments) from Taybridge Terrace to the A827 at the caravan park.</p> <p>PKC is considering variations on this option:</p> <p>a) removal of the bowling green and Victoria Park from the scheme to start the defences at the Moness Burn</p> <p>b) tying the defences into the Tomchulan Burn and exclusion of the caravan park</p>	<p>Hard defences (walls and embankments) from the River Tay and approx. 65m beyond Market Street Bridge. A short length of hard defences upstream of the Bank Street Bridge.</p>	<p>Hard defences (walls and embankments) between Moness Avenue and Old Crieff Road, a short length upstream of Braeside Park, a short length upstream of Breadalbane Terrace and for the length between Breadalbane Terrace and the River Tay.</p>
<i>*all options below exclude the bowling green, Victoria Park and the caravan park from the proposed defence alignment</i>			
2	<p>Dredging of the River Tay to improve conveyance and capacity. Underpinning of the road bridge and footbridge would be required.</p> <p>Hard defences would still be required to reduce the risk to properties on Tayside Crescent along the golf course boundary.</p>	<p>Dredging of the channel on the Moness Burn from Market Street Bridge to the River Tay. This could improve conveyance in the river channel. Underpinning of the Market Street Bridge would also be required. A short section of wall would still be required upstream of the Bank Street Bridge.</p>	<p>A series of culvert upgrades on the upper watercourse of the Tomchulan to increase capacity. The culverts identified are those upstream of Old Crieff Road. Walls would still be required between the A827 and the River Tay to reduce the risk to the industrial estate.</p>
3	<p>Hard defences (walls and embankments) from the Moness Burn to the Tomchulan Burn (excl. Victoria Park, bowling green and caravan park)</p>	<p>Hard defences (walls and embankments) from the River Tay and approx. 65m beyond Market Street Bridge. A short length of hard defences upstream of the Bank Street Bridge.</p>	<p>A diversion channel on the Tomchulan Burn from upstream of Braeside Park to remove the high flows from the burn. The diversion channel could run east towards Hawthorn Cottage and Moness Cottages and then divert north rejoin the Tomchulan Burn just north of Farragon Drive.</p>
4	<p>Hard defences (walls and embankments) from the Moness Burn to the Tomchulan Burn (excl. Victoria Park, bowling green and caravan park)</p>	<p>Dredging of the channel on the Moness Burn from Market Street Bridge to the River Tay. This could improve conveyance in the river channel. Underpinning of the Market Street Bridge would also be required. A short section of wall would still be required</p>	<p>A diversion channel on the Tomchulan Burn from upstream of Braeside Park to remove the high flows from the burn. The diversion channel could run east towards Hawthorn Cottage and Moness Cottages and then divert north rejoin the</p>

		upstream of the Bank Street Bridge.	Tomchulan Burn just north of Farragon Drive.
5	Hard defences (walls and embankments) from the Moness Burn to the Tomchulan Burn (excl. Victoria Park, bowling green and caravan park)	Hard defences (walls and embankments) from the River Tay and approx. 65m beyond Market Street Bridge. A short length of hard defences upstream of the Bank Street Bridge.	A series of culvert upgrades on the upper watercourse of the Tomchulan to increase capacity. The culverts identified are those upstream of Old Crieff Road. Walls would still be required between the A827 and the River Tay to reduce the risk to the industrial estate.
6	Hard defences (walls and embankments) from the Moness Burn to the Tomchulan Burn (excl. Victoria Park, bowling green and caravan park)	Dredging of the channel on the Moness Burn from Market Street Bridge to the River Tay. This could improve conveyance in the river channel. Underpinning of the Market Street Bridge would also be required. A short section of wall would still be required upstream of the Bank Street Bridge.	A series of culvert upgrades on the upper watercourse of the Tomchulan to increase capacity. The culverts identified are those upstream of Old Crieff Road. Walls would still be required between the A827 and the River Tay to reduce the risk to the industrial estate.