

4 What has been considered in developing the scheme?

At the last public consultation you asked us to consider flood storage within the catchment and direct defences (walls embankments and changes to the river channel) through the town.

Upstream storage

We have considered options for storing flood water within the catchment upstream of Stonehaven. Seven sites were identified and investigated: five on the River Carron and two on the Glaslaw Burn.

Storage would reduce the risk of flooding in Stonehaven, but there is not enough usable storage area in the catchment to prevent the use of walls, embankments and channel modifications (direct defences) within the town.

Providing enough storage to significantly reduce the height of direct defences through the town would need the construction of two schemes. This would increase the environmental impact, cause delays, and possibly make the scheme financially unviable.

Direct defences and channel modifications

We have considered options for constructing direct defences (walls and embankments) along the banks of the river that will contain flows within the river corridor.

We have considered sustainable modifications to the river channel, islands and bridges through the town. This will increase the ability of the rivers to convey flood flows.

