



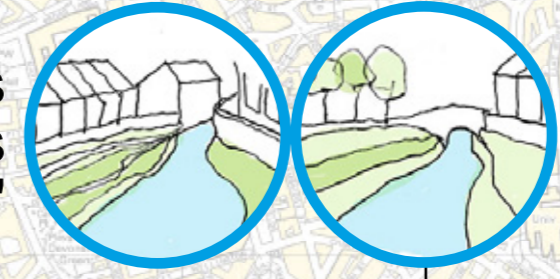
PROTECTINGsheffield

FROM FLOODING

Sheaf Catchment Options

These are the preferred options that we will be considering in further detail to alleviate flood risk in Sheffield.

Lower Porter defences and removal of culverts acting as "pinch points"



Sheaf debris screen improvements

Queens Road to Lower Sheaf defences

Broadfield Road / Antiques Quarter defences and "pinch point" removal at Saxon Road bridge

Endcliffe Park flood storage area



Porter Brook

Sharrow Vale to Ecclesall defences



Abbeydale Road to Little London defences



Rural land management (catchment wide measures)



River Sheaf



Improve resilience to flooding (catchment wide measures)

Abbey Brook flood storage area



Areas at Risk

Areas at potential risk of flooding

Extent of detailed flood risk mapping for this scheme

Key to options

Slowing the Flow

Containing the Flow

Resilience

Indicative location of potential temporary flood storage areas

Indicative extent of flood defence options under consideration

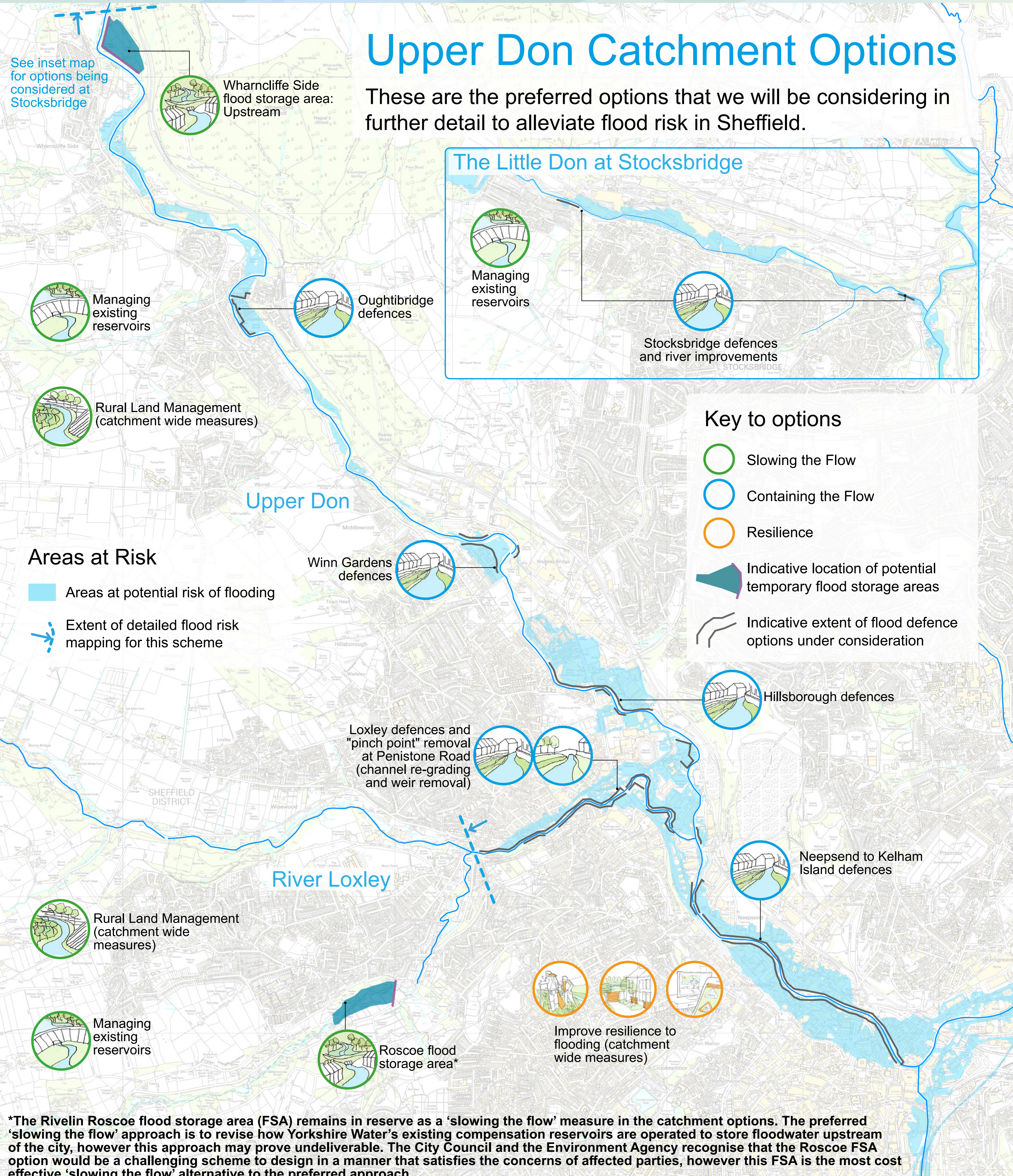


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FROM FLOODING

Upper Don Catchment Options

These are the preferred options that we will be considering in further detail to alleviate flood risk in Sheffield.



See inset map for options being considered at Stocksbridge

Wharnccliffe Side flood storage area: Upstream

The Little Don at Stocksbridge



Managing existing reservoirs



Stocksbridge defences and river improvements



Managing existing reservoirs



Rural Land Management (catchment wide measures)

Areas at Risk

Areas at potential risk of flooding

Extent of detailed flood risk mapping for this scheme

Key to options

- Slowing the Flow
- Containing the Flow
- Resilience
- Indicative location of potential temporary flood storage areas
- Indicative extent of flood defence options under consideration

Winn Gardens defences

Loxley defences and "pinch point" removal at Penistone Road (channel re-grading and weir removal)

Hillsborough defences

Neepsend to Kelham Island defences



Rural Land Management (catchment wide measures)



Managing existing reservoirs



Roscoe flood storage area*



Improve resilience to flooding (catchment wide measures)



*The Rivelin Roscoe flood storage area (FSA) remains in reserve as a 'slowing the flow' measure in the catchment options. The preferred 'slowing the flow' approach is to revise how Yorkshire Water's existing compensation reservoirs are operated to store floodwater upstream of the city, however this approach may prove undeliverable. The City Council and the Environment Agency recognise that the Roscoe FSA option would be a challenging scheme to design in a manner that satisfies the concerns of affected parties, however this FSA is the most cost effective 'slowing the flow' alternative to the preferred approach.

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