FLOOD AND DRAINAGE INFRASTRUCTURE

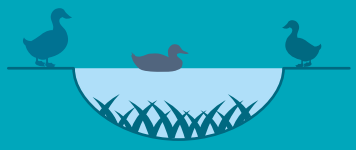
SURFACE WATER FLOODING – RAINFALL CANNOT DRAIN AWAY QUICKLY ENOUGH

3.2 million properties at risk

Rainfall

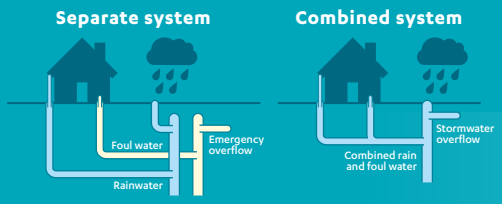
SLOWING AND STORING

Underground storage tanks

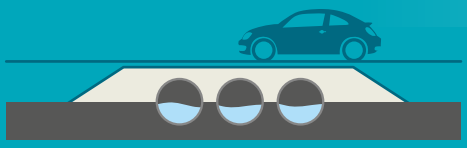


Mimicking natural systems (such as ponds) to hold and slow the flow of water into surroundings

TRANSPORTING AND CONTAINING



Sewers: separate or combined pipes for foul and surface water



Culverts – engineered pipes or channels for water courses

to rivers or the sea

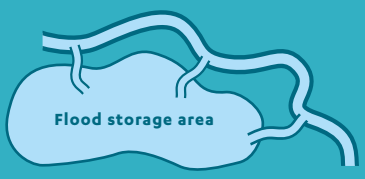
RIVER FLOODING – RIVER OVERFLOWS OR BURSTS ITS BANKS

Rainwater runoff and drainage

2.5 million properties at risk

SLOWING AND STORING

Tree planting and restoring peatland in the upper river catchments slow flows into rivers



Washlands – controlled flooding of land close to rivers

TRANSPORTING AND CONTAINING

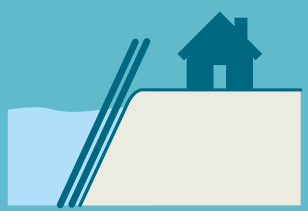
Embankments and walls hold rivers within their banks during high flow

Diversion channels – extra channels to take flows during peak times

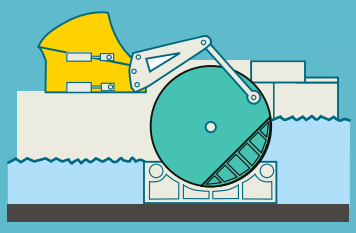
to the sea

COASTAL FLOODING – COMBINATION OF HIGH TIDES, STORMS SURGES AND WAVES

The sea



Walls - hold back high tides and waves



Movable barriers – hold back high tides and surges in river estuaries

to the sea

Source: Environment Agency (2019-2020)