

Annex 1 Summary of possible key climate risks (City of York Climate change risk assessment 2010)

RECEPTOR	FUTURE CLIMATIC CONDITION	IMPACT	CONSEQUENCE
Built Infrastructure - all types of property	Increased winter rainfall	Flooding	buildings on low-lying areas at risk of flooding, increased property damage
Transport	Increased winter rainfall	Flooding	Serious flooding of highway network adjacent to major rivers and consequential impact on other rivers and becks
Natural Environment	Hotter/Drier summers and increased rainfall intensity	Summer flash Flooding	Unable to carry out key maintenance work and key breeding species disrupted
Built Infrastructure - all types of property	Increased summer temperatures	Overheating	reduced comfort in buildings for occupants - increased need for air conditioning - potential fatalities, particularly with an ageing population
Tourism and Economic Development	Increased winter rainfall, Increased rainfall intensity, increased storminess	Winter and summer flooding, storms	Loss of key outdoor events – linked with general perception that York is not safe to visit
Tourism	Increased summer temperature, increased winter temperature, decreased summer rainfall	Longer tourist season	Increased number of tourists, greater use of outdoor venues
Road network	increased summer temperature/ decreased summer rainfall	Heatwaves - increased risk of photochemical pollution episodes & resultant poor air quality	Restrictions to the road network and vehicle usage - due to risk health problems in vulnerable groups
Cycle and Footpath Network	Increased winter rainfall/increased rainfall intensity	Flooding	Closing of riverside cycle routes and footpaths more frequently