





# Newcastle-under-Lyme Borough Level 1 Strategic Flood Risk Assessment





## Authority Information

 Newcastle-under-Lyme boundary




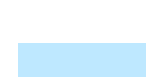
## Watercourses

 Main Rivers  
 All watercourses  
 8m watercourse buffer  
 Canals










## Defences

 Embankment  
 Engineered High Ground  
 Natural High Ground  
 Spillway

## Flood Zones (Fluvial)

 Flood Zone 3b  
 Indicative Flood Zone 3b  
 Flood Zone 3a  
 Flood Zone 2






## Climate Change Extent (Modelled)

 3.3% AEP + 29% CC  
 3.3% AEP + 39% CC  
 3.3% AEP + 61% CC  
 1% AEP + 29/30% CC  
 1% AEP + 39% CC  
 1% AEP + 61% CC  
 0.1% AEP + 29% CC  
 0.1% AEP + 39% CC  
 0.1% AEP + 61% CC



## Reservoir Flood Extents (EA)

 Dry Day  
 Wet Day



## Risk of Flood from Rivers and Sea (EA)

 High  
 Medium  
 Low  
 Very Low  
 Reduction in Risk of Flooding from Rivers and Sea






## Risk of Flooding From Surface Water (EA)

 3.3% AEP  
 1% AEP  
 0.1% AEP





## Surface Water Climate Change Extent (Modelled)

 3.3% AEP Upper End 2070s CC  
 1% AEP Upper End 2070s CC

## Groundwater Emergence Mapping (JBA)

 Less than 0.025m below surface  
 Between 0.025- 0.5m below surface  
 Between 0.5- 5m below surface  
 At least 5m below surface  
 No risk.

## Groundwater Flooding Susceptibility (EA)

 < 25%  
 >= 25% <50%  
 >= 50% <75%  
 >= 75%

## Water Company Boundaries

 Severn Trent Water  
 United Utilities

## EA Flood Alert and Warning Areas

 Flood Warning Areas  
 Flood Alert Areas

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