





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



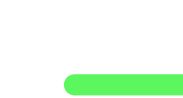

Authority Information

 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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