





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





## Authority Information

 Newcastle-under-Lyme boundary




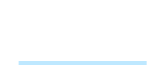
## Watercourses

-  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
-  Low
-  Medium
-  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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