



# 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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0 0.5 1 1.5 2 Kilometers