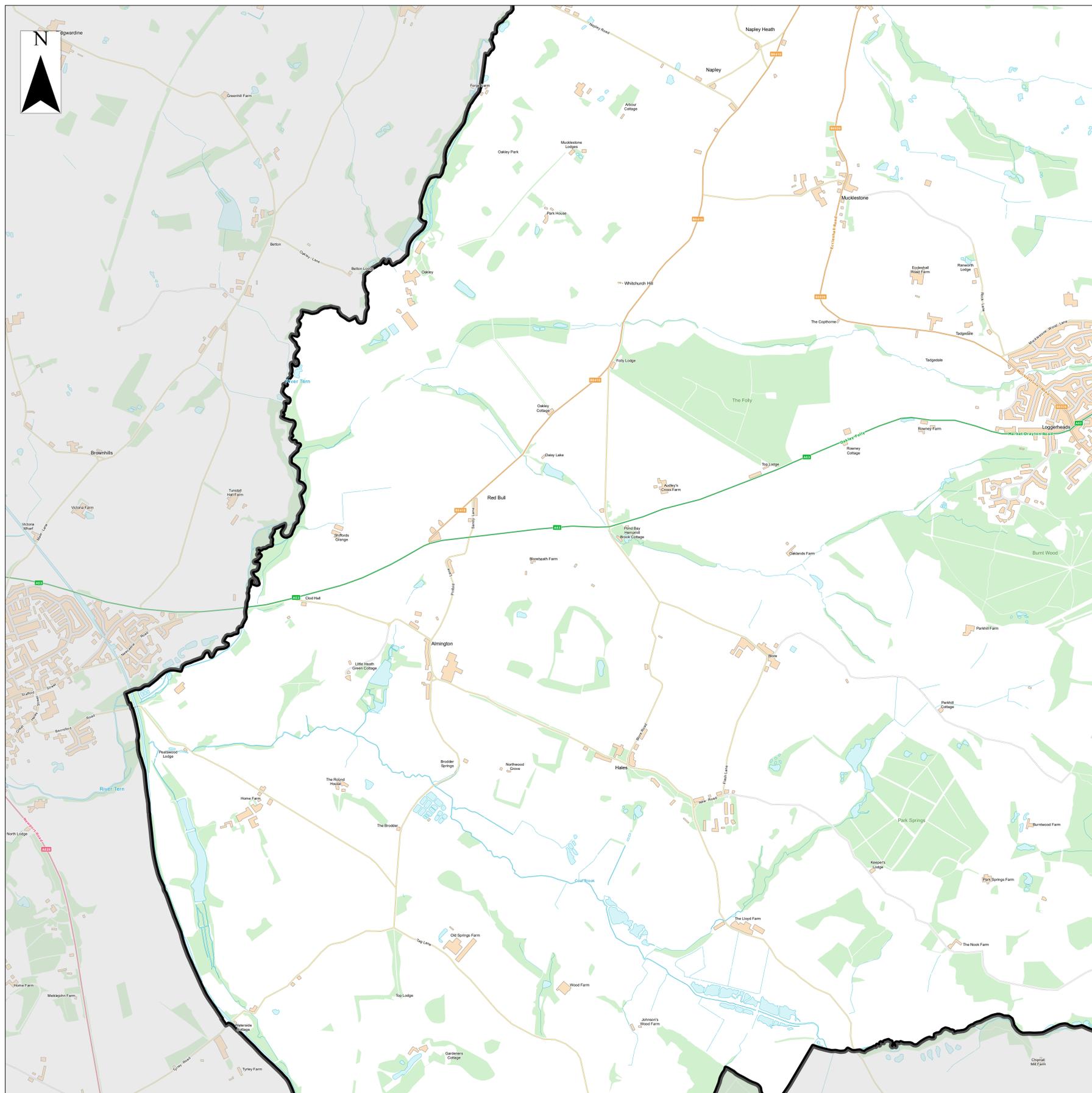


Newcastle-under-Lyme Borough Level 1 Strategic Flood Risk Assessment



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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