

Legend

- Land Available for Development - Residential
- Land Available for Development - Non Residential
- Main Rivers
- Ordinary Watercourses (dashed where culverted)
- Canals (dashed where culverted or tunneled)
- Reservoirs (dashed where underground)
- Constituency Boundary
- Climate Change Fluvial Model Outline
- Fluvial Functional Floodplain

Atkins Ltd

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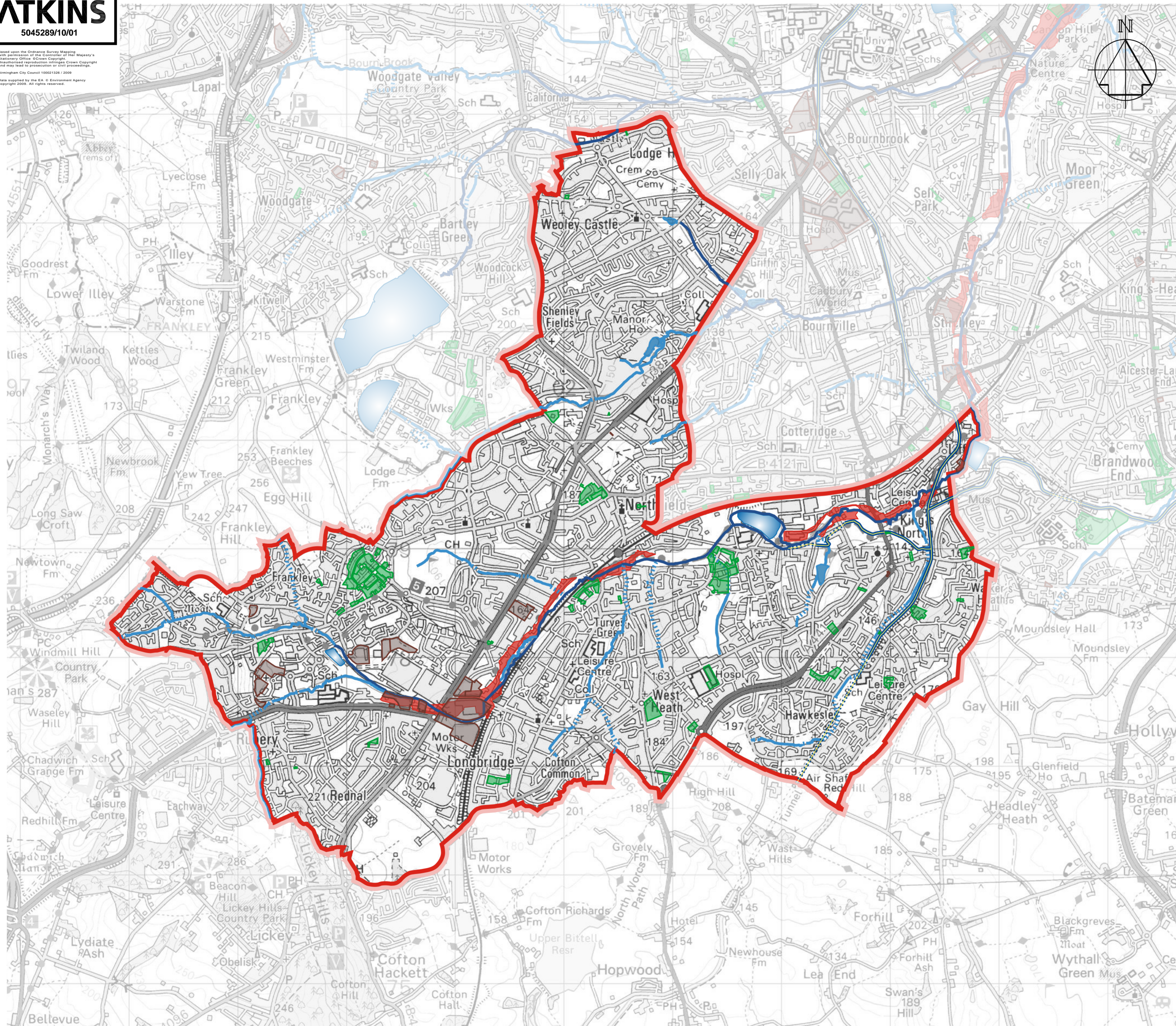
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CLIENT **Birmingham City Council**

PROJECT
**Strategic Flood Risk Assessment
 Level 1**

DRAWING TITLE
**Climate Change and Functional Floodplain
 Northfield Constituency**

SCALES	DRAWN	CHECKED	CO-ORD CHECK
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	DATE	DATE	DATE
	23/08/09		
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		A2	16/09/09
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Legend	
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	Main Rivers
	Ordinary Watercourses (dashed where culverted)
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	Reservoirs (dashed where underground)
	Constituency Boundary
	Flood Warning Zones

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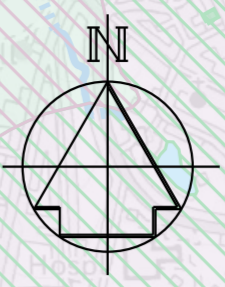
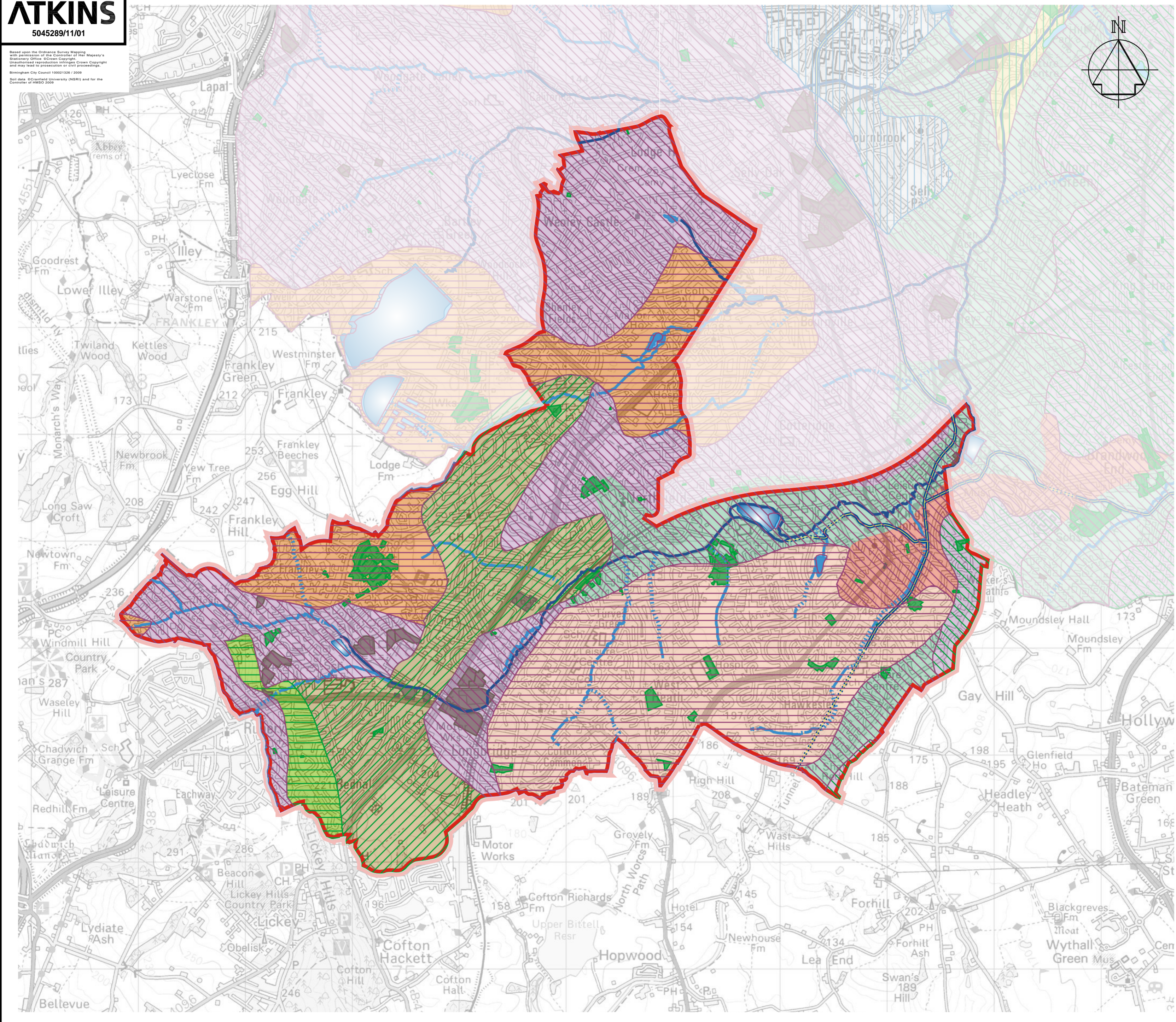
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PROJECT
**Strategic Flood Risk Assessment
 Level 1**

DRAWING TITLE
**Flood Warning Zones
 Northfield Constituency**

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- Fertility**
- Very Low
 - Low
 - Moderate
 - Low to High
 - Moderate to High
 - High
- Drainage**
- Freely draining
 - Slightly impeded drainage
 - Impeded drainage
 - Variable
 - Naturally wet
 - Surface Wetness

- Superficial Deposits**
- Freely draining slightly acid loamy soils
 - Freely draining slightly acid sandy soils
 - Freely draining very acid sandy and loamy soils
 - Loamy and clayey floodplain soils with naturally high groundwater
 - Loamy and sandy soils with naturally high groundwater and a peaty surface
 - Loamy soils with naturally high groundwater
 - Naturally wet very acid sandy and loamy soils
 - Shallow very acid peaty soils over rock
 - Slightly acid loamy and clayey soils with impeded drainage
 - Slowly permeable seasonally wet acid loamy and clayey soils
 - Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils

- Geology**
- Drift over Permo-Triassic and Carboniferous reddish mudstone
 - Glaciofluvial drift
 - Glaciofluvial drift and peat
 - Glaciofluvial or river terrace drift
 - Palaeozoic gritstone and sandstone
 - Permo-Triassic and Carboniferous reddish mudstone, siltstone and sandstone
 - Permo-Triassic and Carboniferous sandstone and siltstone
 - Permo-Triassic and Devonian reddish conglomerate and sandstone
 - Permo-Triassic reddish mudstone
 - Permo-Triassic reddish mudstone and till
 - Permo-Triassic reddish mudstone and alluvium
 - Reddish till
 - River alluvium
 - River alluvium over peat
 - Lake and Waterbody

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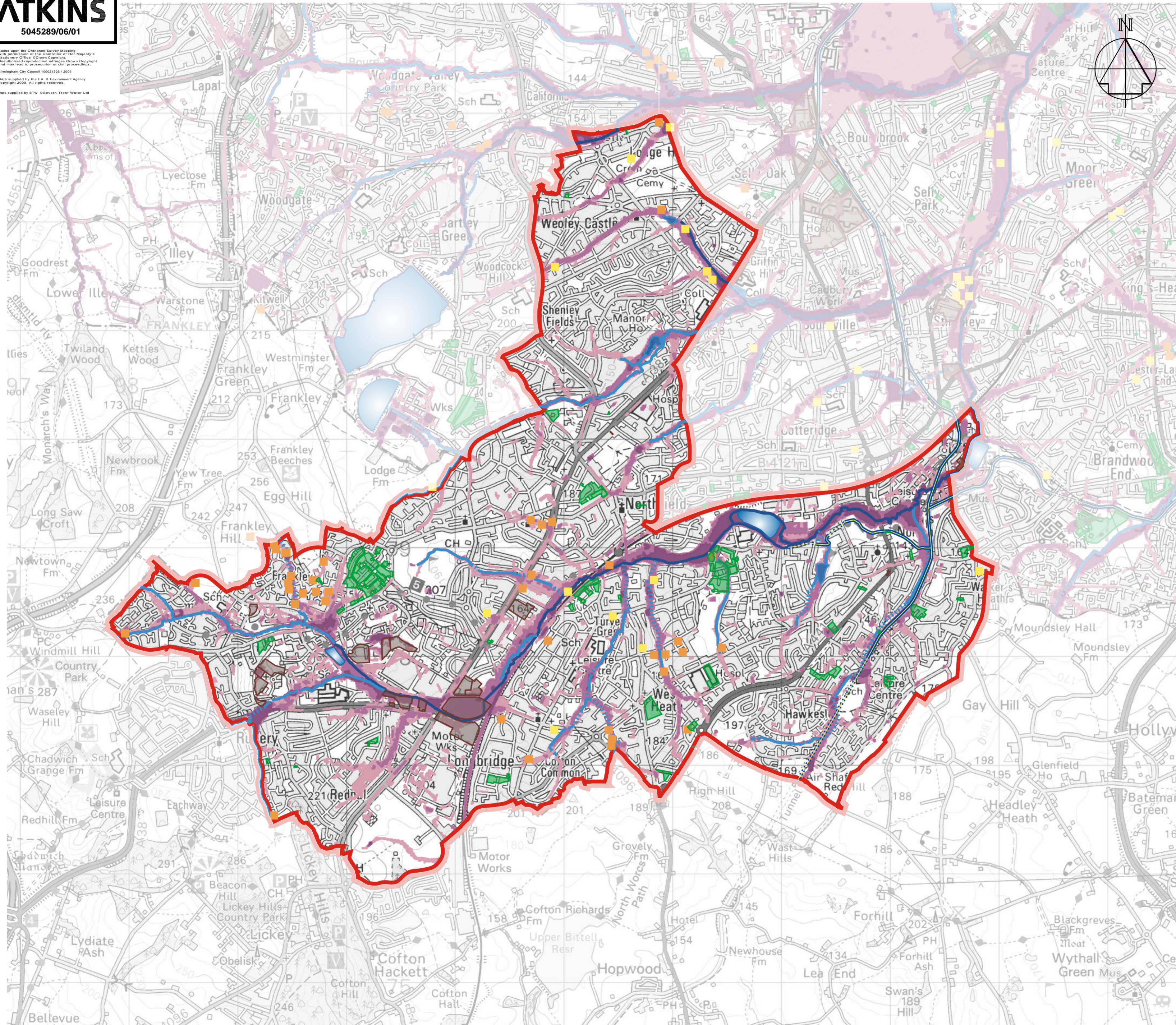
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PROJECT
**Strategic Flood Risk Assessment
Level 1**

DRAWING TITLE
**Geology and Superficial Deposits
Northfield Constituency**

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	Main Rivers
	Ordinary Watercourses (dashed where culverted)
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	Constituency Boundary
	Land More Susceptible to Surface Water Flooding
	Land Intermediately Susceptible to Surface Water Flooding
	Land Less Susceptible to Surface Water Flooding
	Historic Flooding Record - Surface Water
	Historic Flooding Record - Sewer

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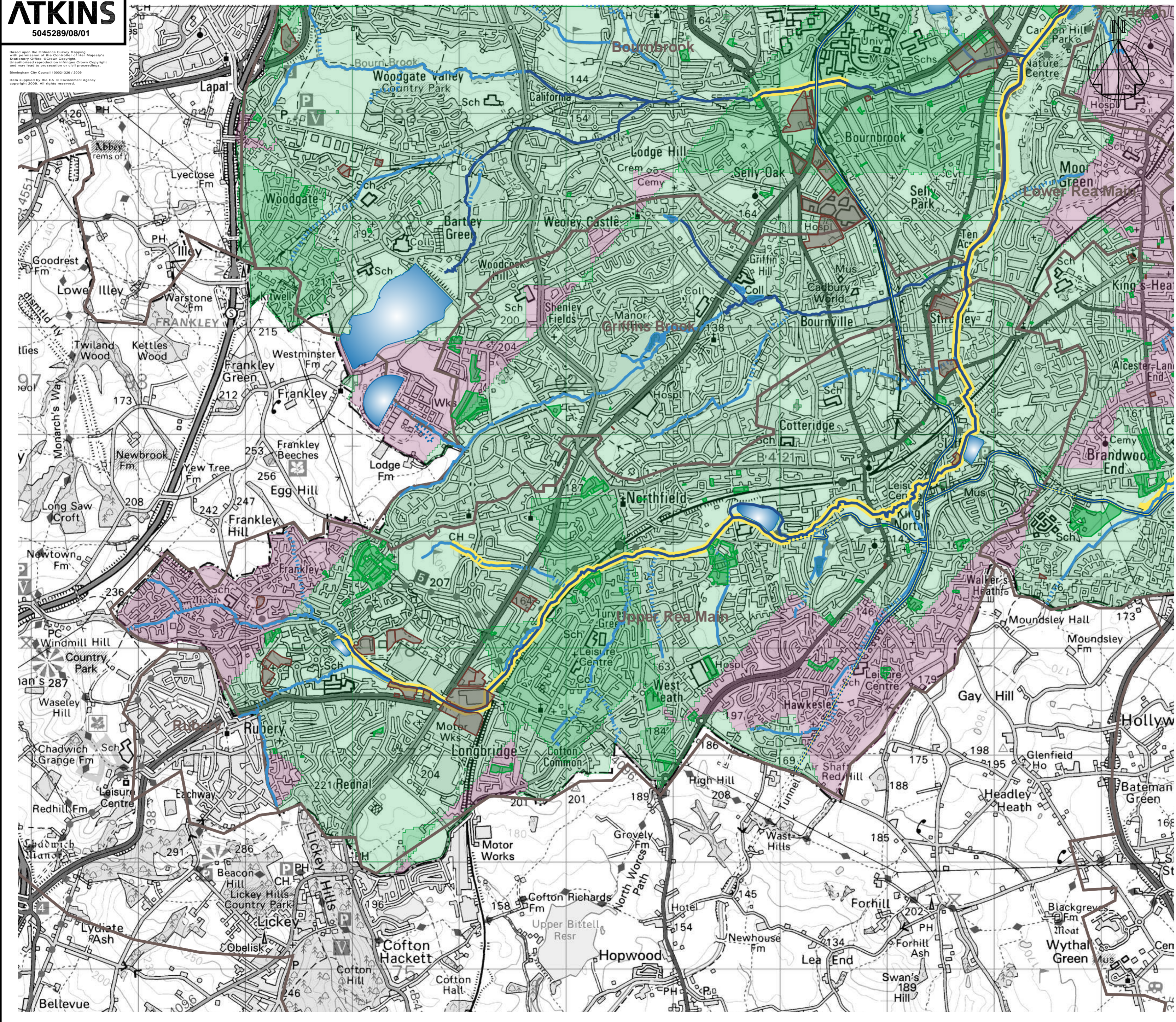


PROJECT
**Strategic Flood Risk Assessment
 Level 1**

DRAWING TITLE
**Surface Water Flooding Susceptibility
 Northfield Constituency**

SCALES	DRAWN	CHECKED	COORD CHECK
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5045289/06/01	A2	15/09/09



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- LiDAR Coverage - 1m Resolution
- LiDAR Coverage - 2m Resolution
- LiDAR - No Coverage
- Watercourses Modelled
- DAP Polygons
- Rain Gauge
- Flow Gauge

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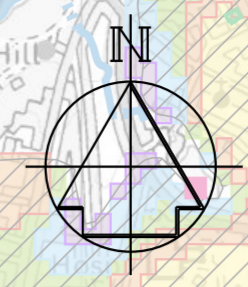
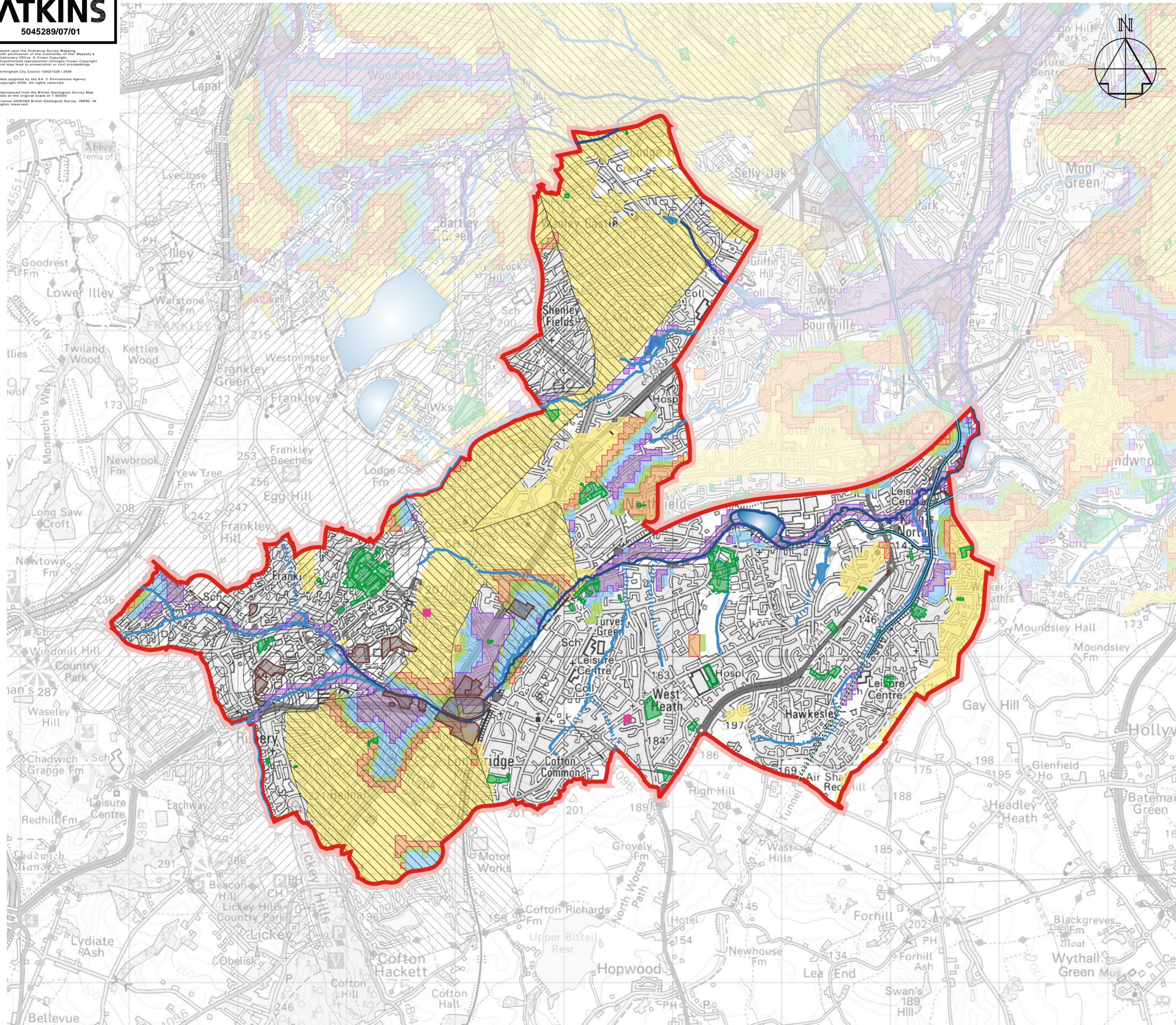
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CLIENT **Birmingham City Council**

PROJECT
**Strategic Flood Risk Assessment
 Level 1**

DRAWING TITLE
**Hydraulic Models and LiDAR Coverage
 Northfield Constituency**

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	Historic Flooding Record - Groundwater
	Minor Aquifer
	Major Aquifer
	BGS Groundwater Flooding VERY HIGH Susceptibility
	BGS Groundwater Flooding HIGH Susceptibility
	BGS Groundwater Flooding MODERATE Susceptibility
	BGS Groundwater Flooding LOW Susceptibility
	BGS Groundwater Flooding VERY LOW Susceptibility

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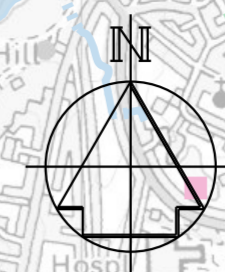
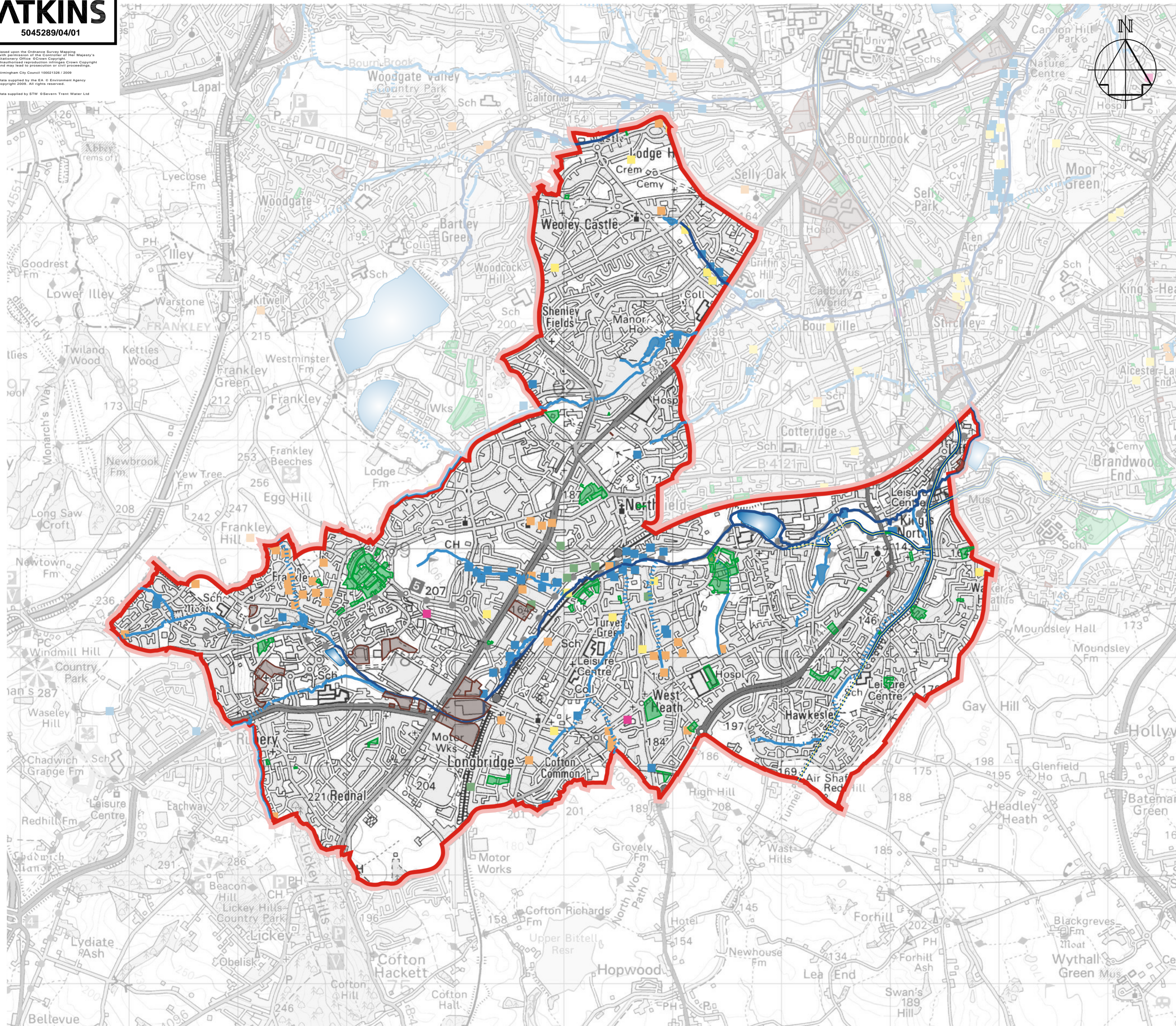
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PROJECT
**Strategic Flood Risk Assessment
 Level 1**

DRAWING TITLE
**Groundwater Flooding Susceptibility
 Northfield Constituency**

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	Constituency Boundary
	Historic Flooding Record - Watercourse
	Historic Flooding Record - Surface Water
	Historic Flooding Record - Groundwater
	Historic Flooding Record - Sewer
	Historic Flooding Record - Canal Breach
	Historic Flooding Record - Unknown

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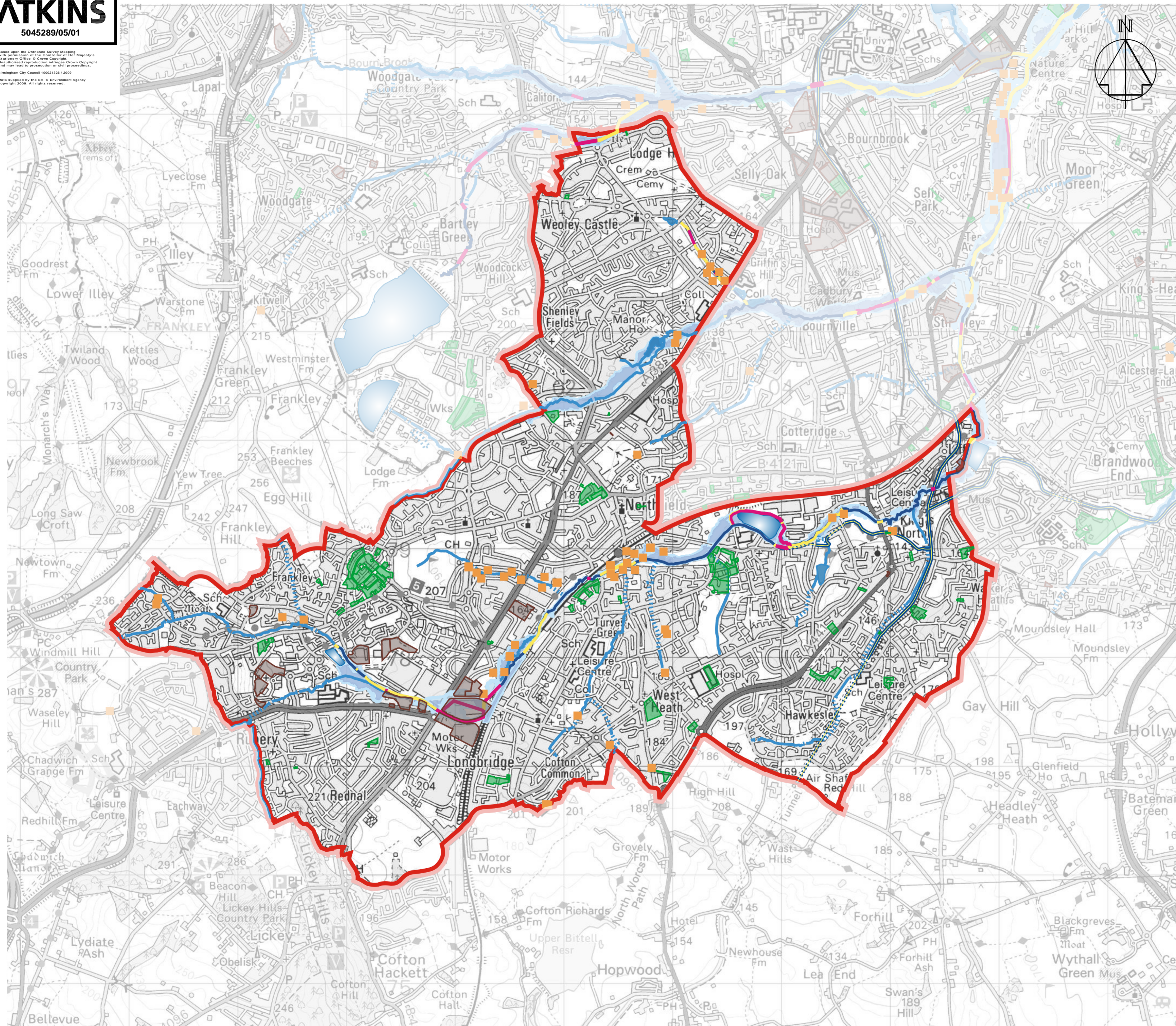


PROJECT
**Strategic Flood Risk Assessment
Level 1**

DRAWING TITLE
**Locations of Historic Flooding
Northfield Constituency**

SCALES	DRAWN	CHECKED	CO-ORD CHECK
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5045289/04/01	A2	14/09/09



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	Flood Zone 3 - 1 in 100 year return period flood outline (1% AEP)
	Flood Zone 2 - 1 in 1000 year return period flood outline (0.10% AEP)
	NFCDD - Formal/Informal Defences
	NFCDD - Maintained Channel
	Historic Flooding Record - Watercourse

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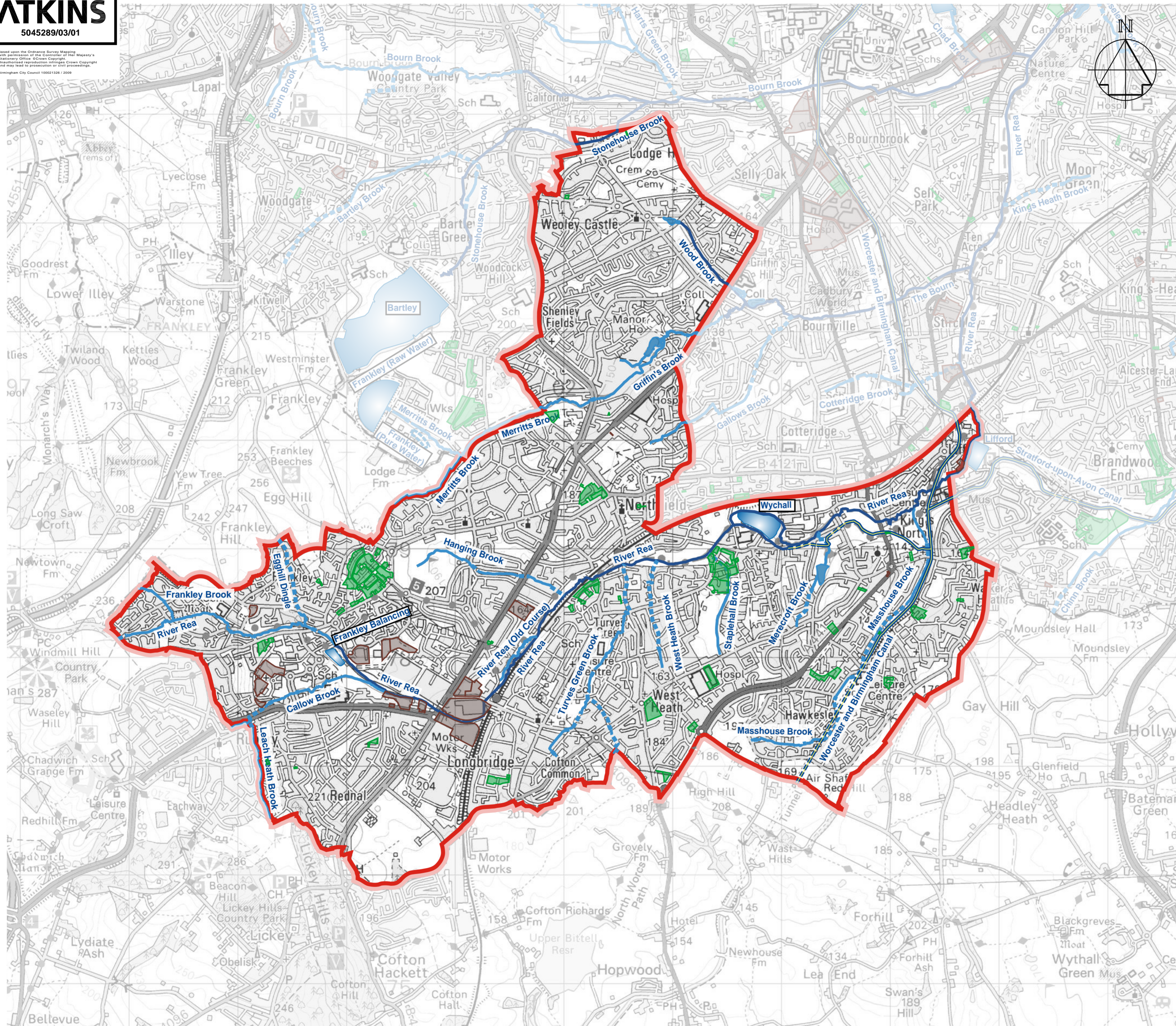
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PROJECT
**Strategic Flood Risk Assessment
 Level 1**

DRAWING TITLE
**EA Flood Zones and NFCDD Assets
 Northfield Constituency**

SCALES	DRAWN	CHECKED	CO-ORD CHECK
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PROJECT
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Level 1**

DRAWING TITLE
**Water Features
Northfield Constituency**

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