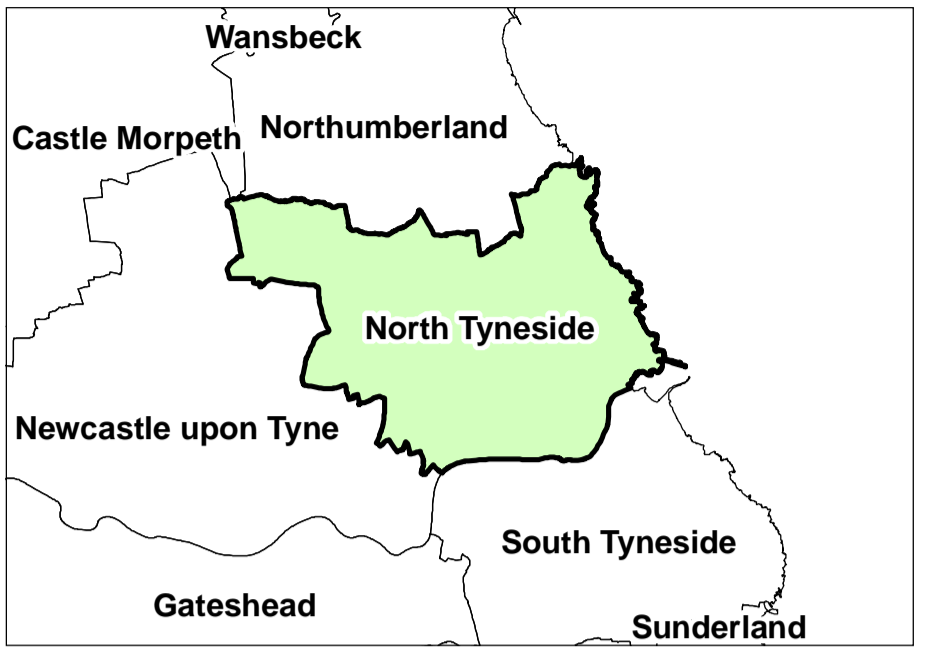


**KEY PLAN**



**USER NOTES**

This map should be used as a strategic indication of the 1 in 100 year fluvial flood hazards. The hazard grid was obtained from the Environment Agency North East Broad Scale modelling work for CFMPs undertaken by JBA Consulting in 2008.

Where the hazard grid shows flooding outside of the current Flood Zone 3 it should be expected that this land would remain dry during the 1 in 100 year event and the error is due to the nature of broad scale modelling work. However, this map does provide a strategic indication of potential scale of flood hazards during a 1 in 100 year event.

Hazards have been calculated using the Environment Agency flood hazard formula proposed in Phase 2 of the Risks to People Project:

$$\text{Flood hazard} = d (v+0.5) + DF$$

This is used to define the flood hazards (See Volume II Section 5.3 of the NTC SFRA for more detailed).

- No Hazard
- Very Low Hazard
- Danger for Some
- Danger for Most
- Danger for All

This plan has been produced as an additional data source for the North Tyneside Level 1 SFRA. This plan should help inform the Sequential Test especially by avoiding high risk flood areas and during the substitution of development sites. They would particularly be useful during the master planning and sequential layout of a development, by placing higher vulnerable development outside of high flood risk areas.

**LEGEND**

- Main Rivers
- Ordinary Watercourses 50k
- Housing Growth Point Sites
- SHLAA
- Flood Zone 3 (v3.14)
- Strategic 1 in 100 year Fluvial Hazard Rating
  - No Hazard
  - Very Low Hazard
  - Danger for Some
  - Danger for Most
  - Danger for All

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown Copyright. Unauthorised reproduction infringes Crown Copyright and may lead to prosecution of civil proceedings. Licence No. North Tyneside Council 10001 6801 (2009)



The Brew House  
Widderpool Park  
Greenall's Avenue  
Warrington  
WA4 6HL  
United Kingdom  
[www.jbaconsulting.co.uk](http://www.jbaconsulting.co.uk)  
+44 (0)1925 437 020  
+44 (0)1925 437 029  
info@jbaconsulting.co.uk



**North Tyneside Council**

Other offices at Atherstone, Doncaster, Edinburgh, Limerick, Newcastle, Northallerton, Northampton, Salsaire, Skipton, Tadcaster & Wellingford

**NORTH TYNESIDE COUNCIL  
STRATEGIC FLOOD RISK ASSESSMENT  
LEVEL 1 SFRA  
STRATEGIC 1 IN 100 YEAR FLUVIAL HAZARD MAP**

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

Scale:	1:25,000	Drawn:	C Isherwood	1 Sept 09	
		Checked:	J Cooper	1 Sept 09	
		Approved:	J Cooper	1 Sept 09	
Digital File Name:	Strategic 1 in 100 year Fluvial Hazard				
Drawing Number:	2009s0059-D08	Sheet No.:	1 of 1	Status:	FINAL
				Rev.:	2