




NOTES

-  100m Borough Boundary Buffer
-  Internal Flooding (41 incidents)
Hydraulic Cause
-  External Flooding (113 incidents)
Hydraulic Cause

Rev.	Revision Details	Rev by	Chk by	Date:



WARRINGTON
Borough Council

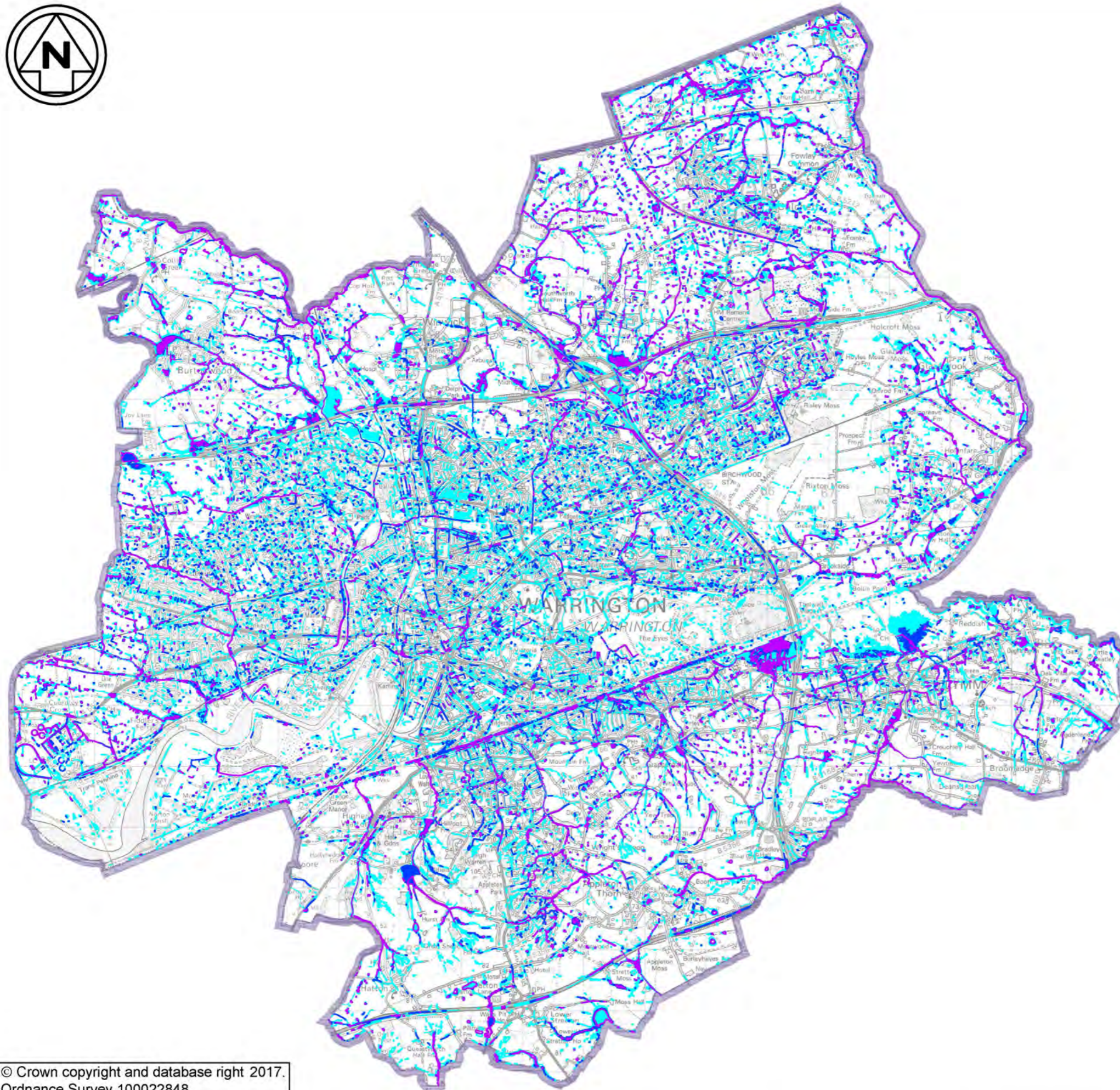
Economic Regeneration, Growth and Environment Directorate
Transport and Environment
New Town House, Buttermarket Street, Warrington WA1 2NH

Project
**Warrington Borough Council
Preliminary Flood Risk
Assessment**

Drawing Title
**United Utilities Spatial
Distribution of Historic Flood
Records (04 January 2017)**

Drawn by	J S Dawson-Parry	e-mail	jparry@warrington.gov.uk
Approved by	J W Turton	Telephone	01925 442534
Date	04 April 2017	Fax	01925 443255
Scales	Not to Scale	Drawing No.	Figure 5
		Sheet	1 of 1
		Phase / Revision	

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NOTES

- 100m Borough Boundary Buffer
- High risk
- Medium Risk
- Low Risk

High risk means that each year this area has a chance of flooding of greater than 3.3% (1in30).

Medium risk means that each year this area has a chance of flooding of between 1% (1in100) and 3.3%(1in30).

Low risk means that each year this area has a chance of flooding of between 0.1% (1in1000) and 1% (1in100).

Flooding from surface water is difficult to predict as rainfall location and volume are difficult to forecast.

Revn.	Revision Details	Rev by	Chk by	Date:
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WARRINGTON
Borough Council

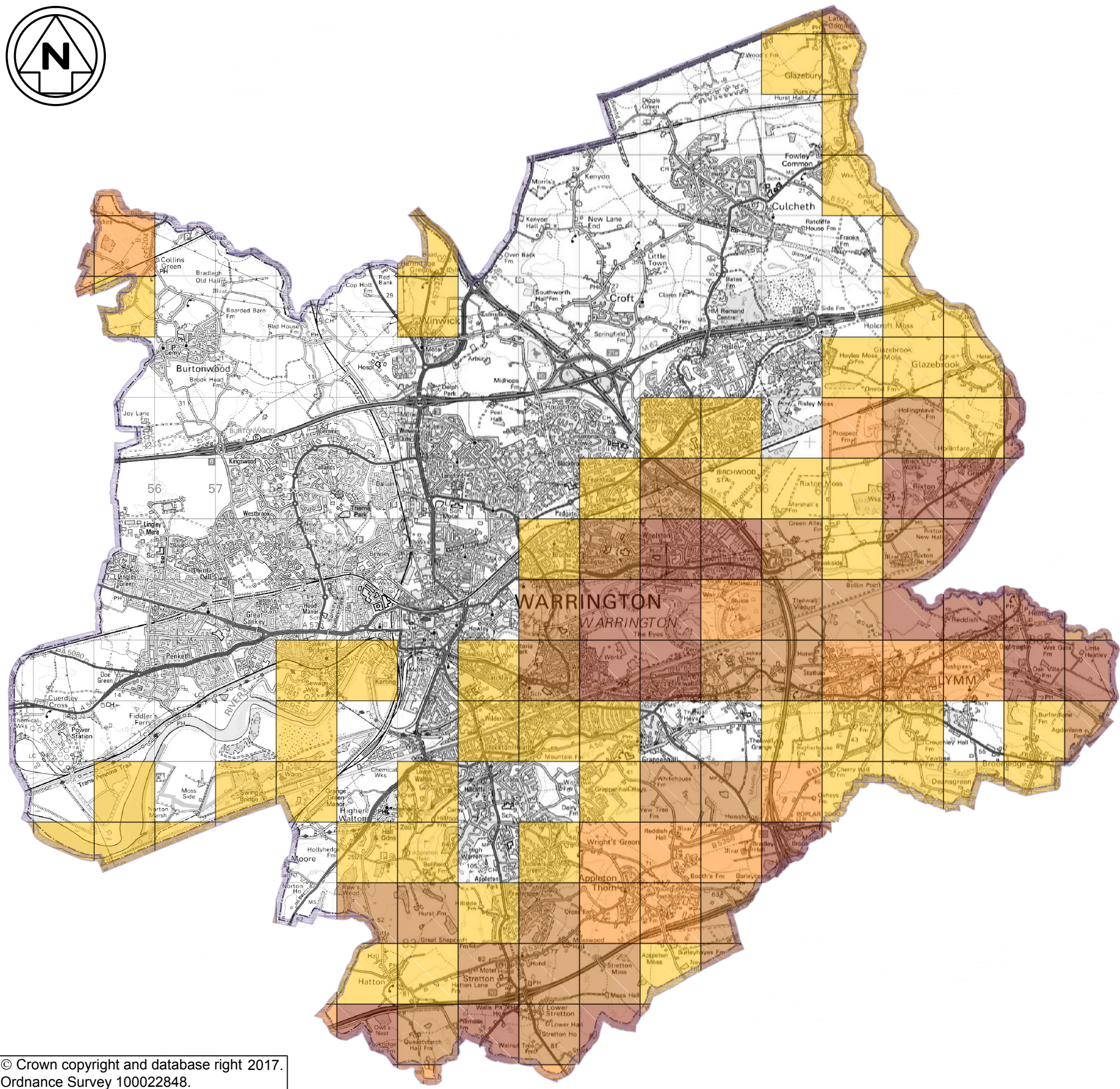
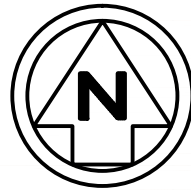
Economic Regeneration, Growth and Environment Directorate
Transport and Environment
New Town House, Buttermarket Street, Warrington WA1 2NH

Project
**Warrington Borough Council
Preliminary Flood Risk
Assessment**

Drawing Title
**Environment Agency Risk of
Flooding from Surface Water
Dataset (December 2013)**

Drawn by	J S Dawson-Parry	e-mail	jparry@warrington.gov.uk
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Scales	Drawing No.	Phase / Revision
Not to Scale	Figure 6	



NOTES

100m Borough Boundary Buffer

Area Classification (Proportion of each 1km square that is susceptible to groundwater flood emergence)	
Colour Coding	Details
	<25%
	>=25%<50%
	>=50%<75%
	>=75%

Data Use in PFRA
 The Environment Agency Areas Susceptible to Groundwater Flooding data is first generation coarse mapping as such only isolated locations within the overall susceptible area are actually likely to suffer the consequences of groundwater flooding.

Therefore the data has been used in combination with other information. It has not been used as the sole evidence for the PFRA. Unless an area identified as 'susceptible to groundwater flooding' is also identified as 'at risk from surface water flooding', it is unlikely that this location would actually experience groundwater flooding to any appreciable depth, and therefore it is also unlikely that the consequences of such flooding would be significant.

The dataset does not attempt to assign a probability to flooding.

Revn.	Revision Details	Rev by	Chk by	Date:
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WARRINGTON
 Borough Council

Economic Regeneration, Growth and Environment Directorate
 Transport and Environment
 New Town House, Buttermarket Street, Warrington WA1 2NH

Project
**Warrington Borough Council
 Preliminary Flood Risk
 Assessment 2017-2023**

Drawing Title
**Environment Agency Areas
 Susceptible to Groundwater
 Flooding (AStGWF)**

Drawn by	J S Dawson-Parry	e-mail	jparry@warrington.gov.uk
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Sheet	1 of 1	Phase / Revision	

Scales	Drawing No.
Not to Scale	Figure 7

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