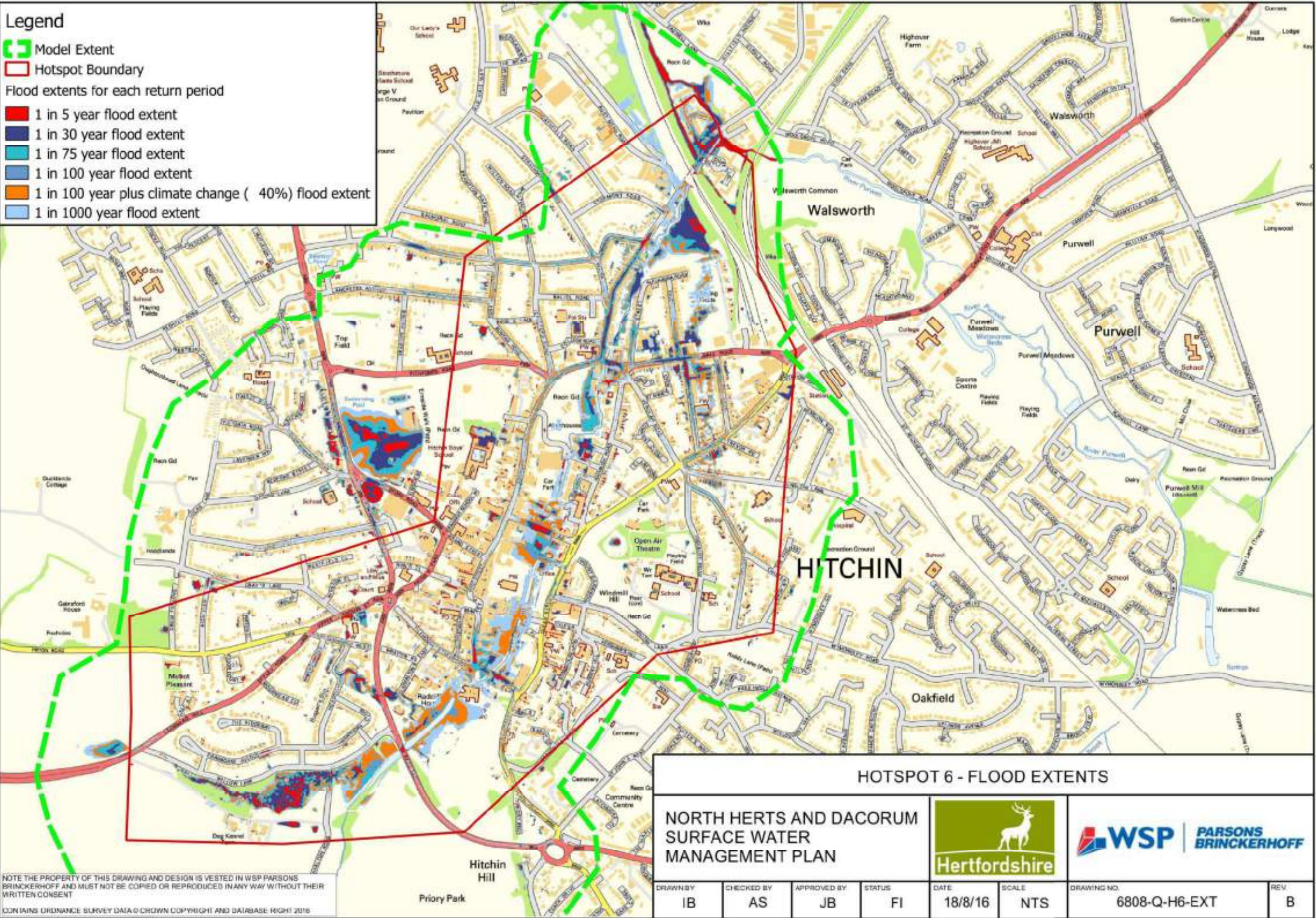


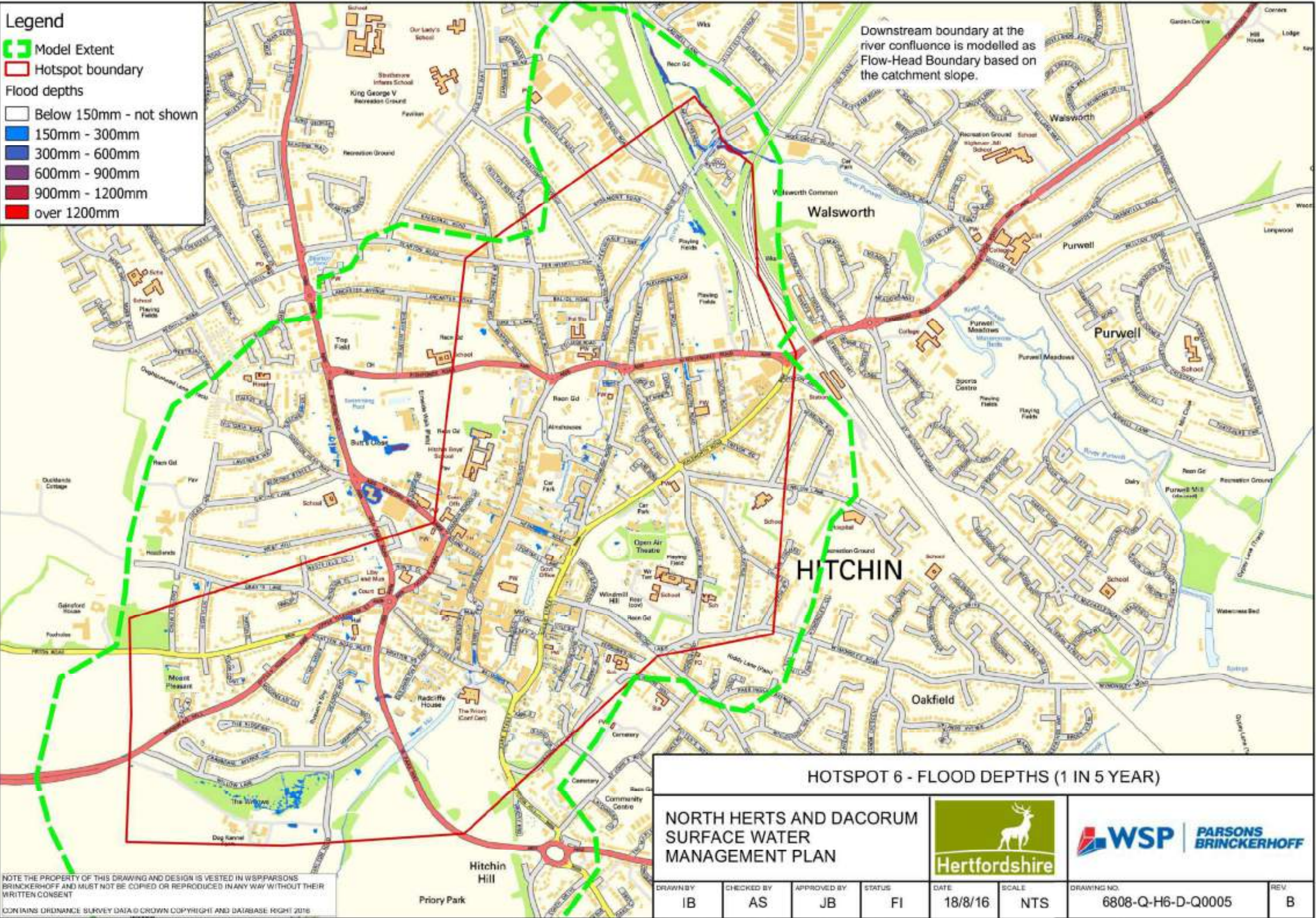
# Appendix D

**FLOOD MAPPING**

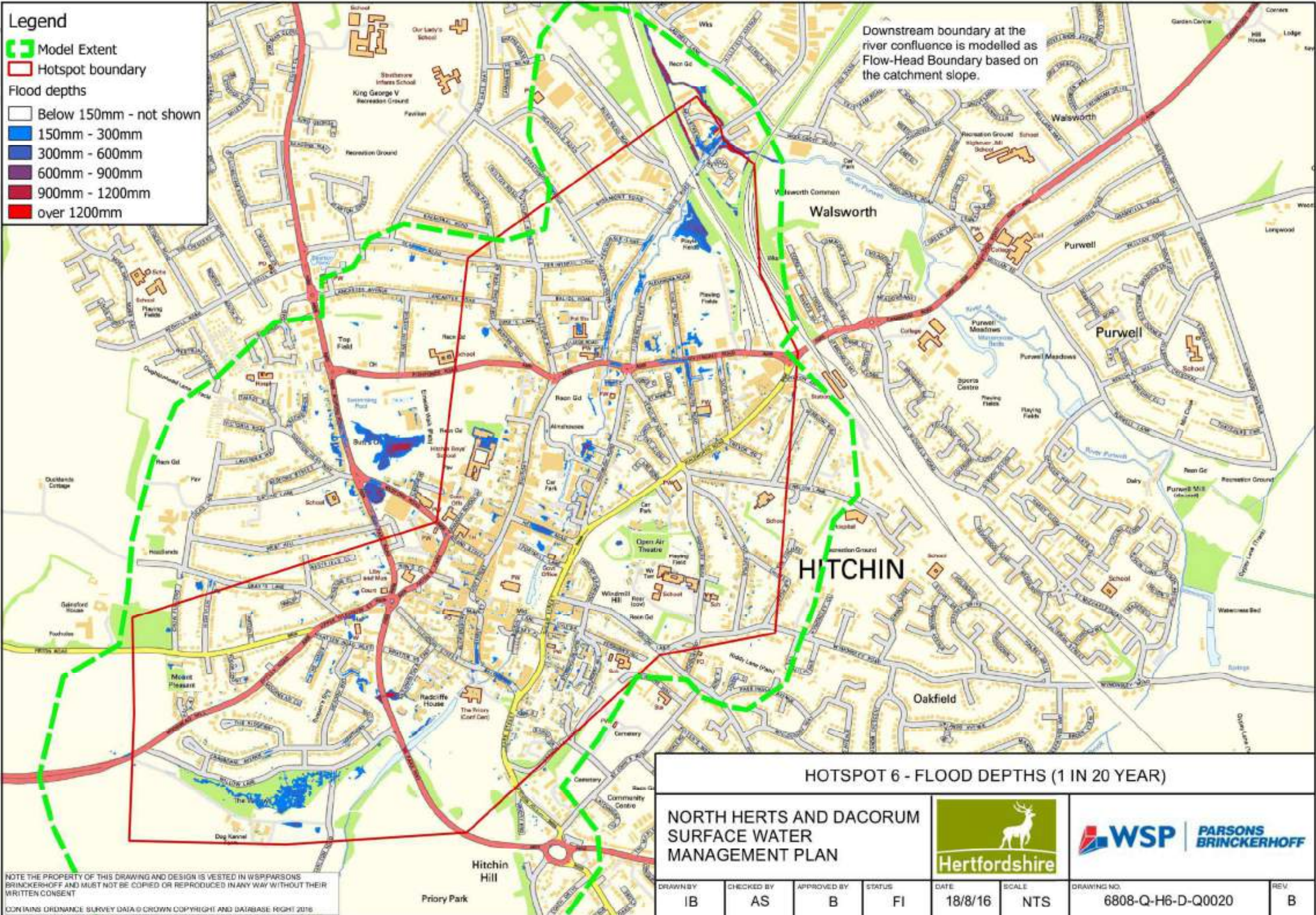












**Legend**

Model Extent

Hotspot boundary

**Flood depths**

Below 150mm - not shown

150mm - 300mm

300mm - 600mm

600mm - 900mm

900mm - 1200mm

over 1200mm

Downstream boundary at the river confluence is modelled as Flow-Head Boundary based on the catchment slope.

**HOTSPOT 6 - FLOOD DEPTHS (1 IN 20 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**

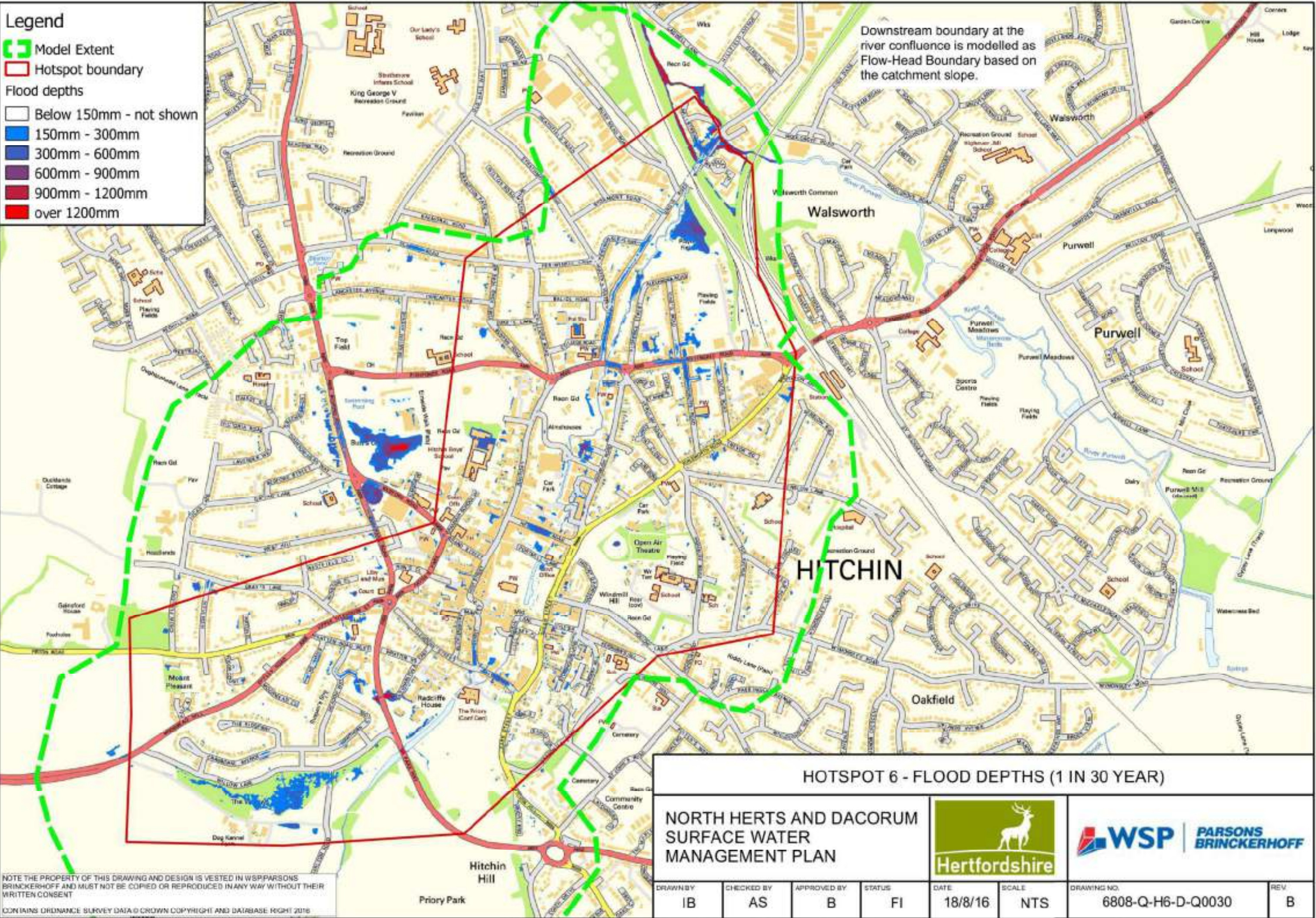


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**Legend**

Model Extent

Hotspot boundary

**Flood depths**

Below 150mm - not shown

150mm - 300mm

300mm - 600mm

600mm - 900mm

900mm - 1200mm

over 1200mm

Downstream boundary at the river confluence is modelled as Flow-Head Boundary based on the catchment slope.

**HOTSPOT 6 - FLOOD DEPTHS (1 IN 30 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**

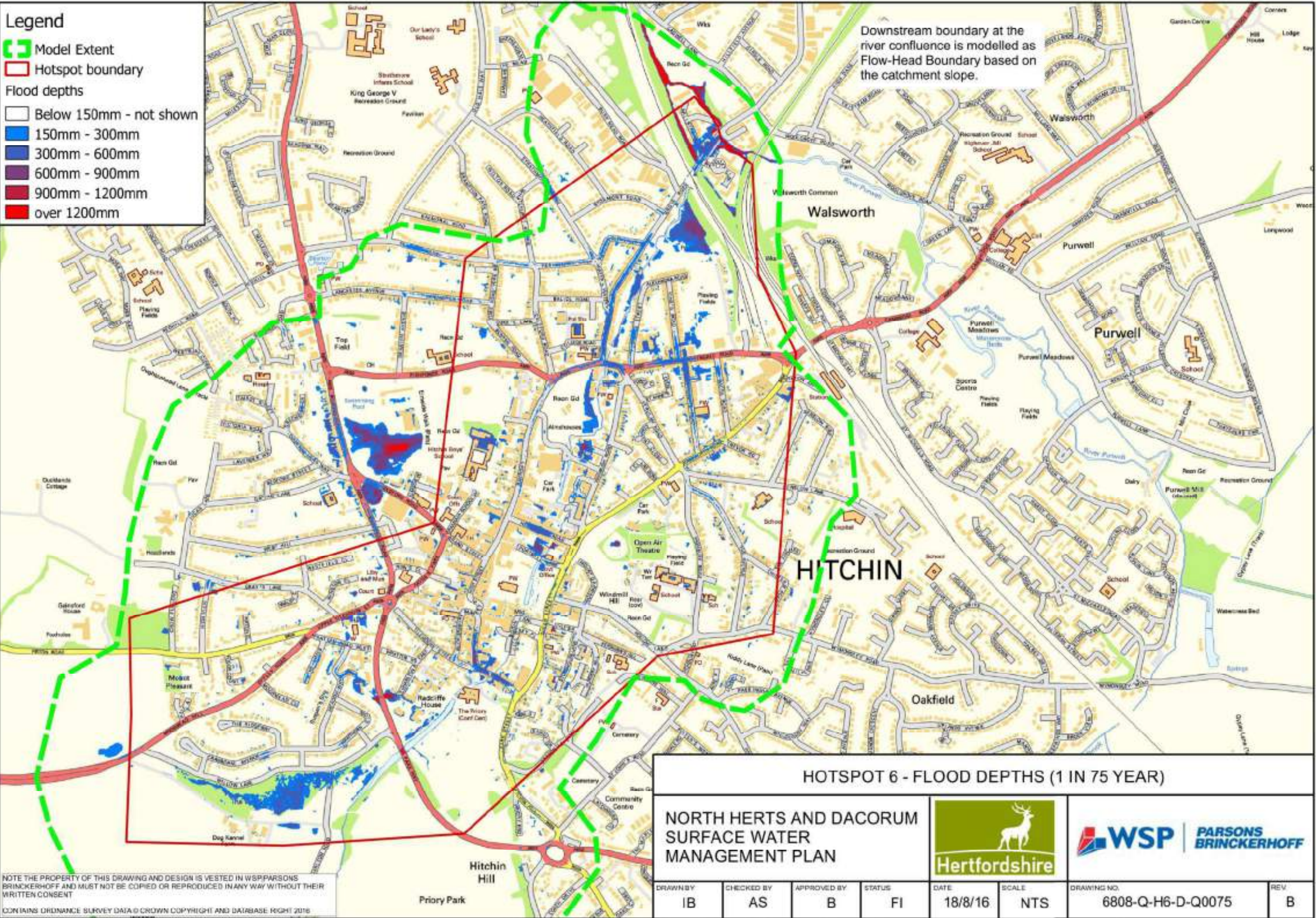


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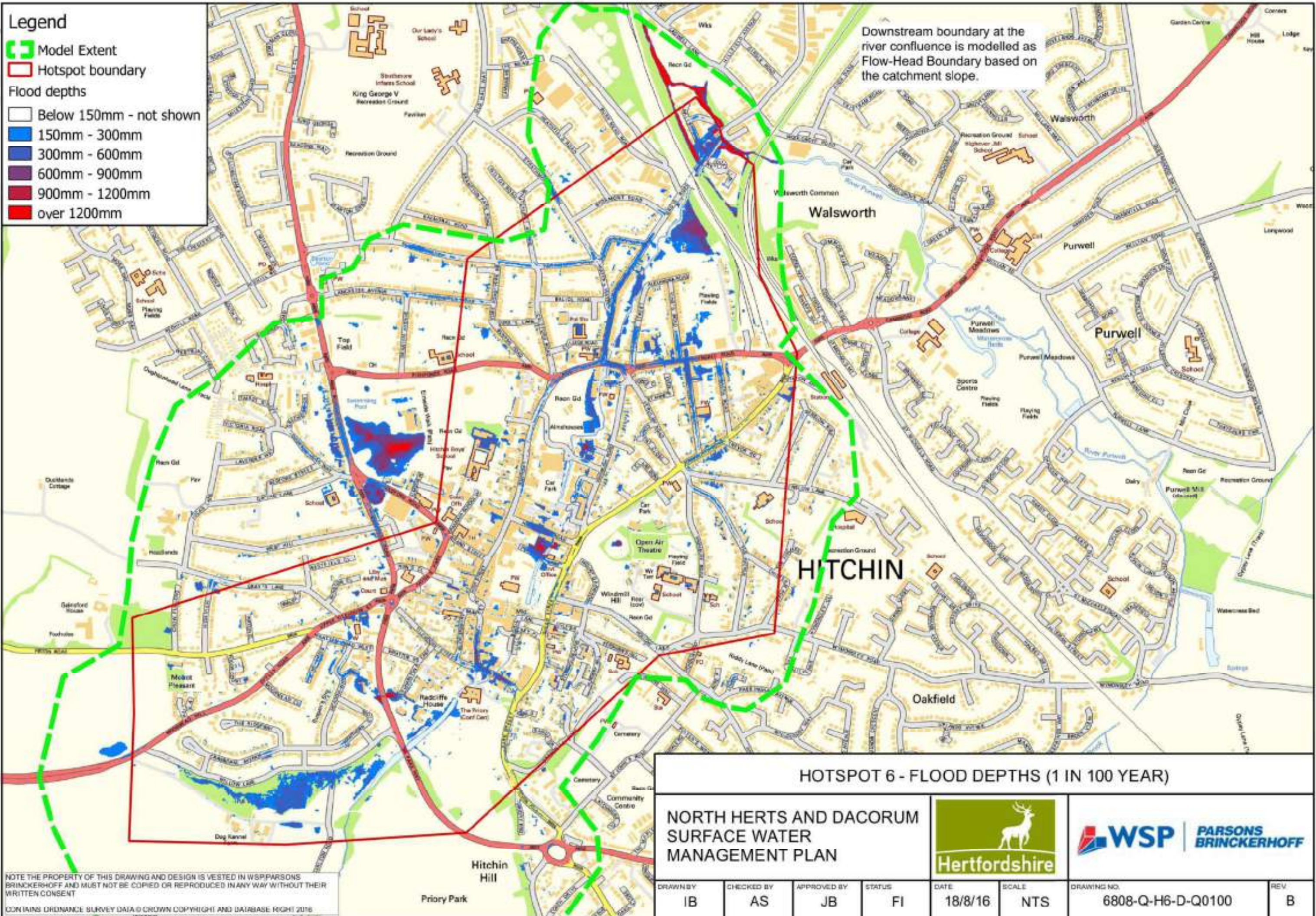
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Downstream boundary at the river confluence is modelled as Flow-Head Boundary based on the catchment slope.

**Legend**

- Model Extent
- Hotspot boundary

**Flood depths**

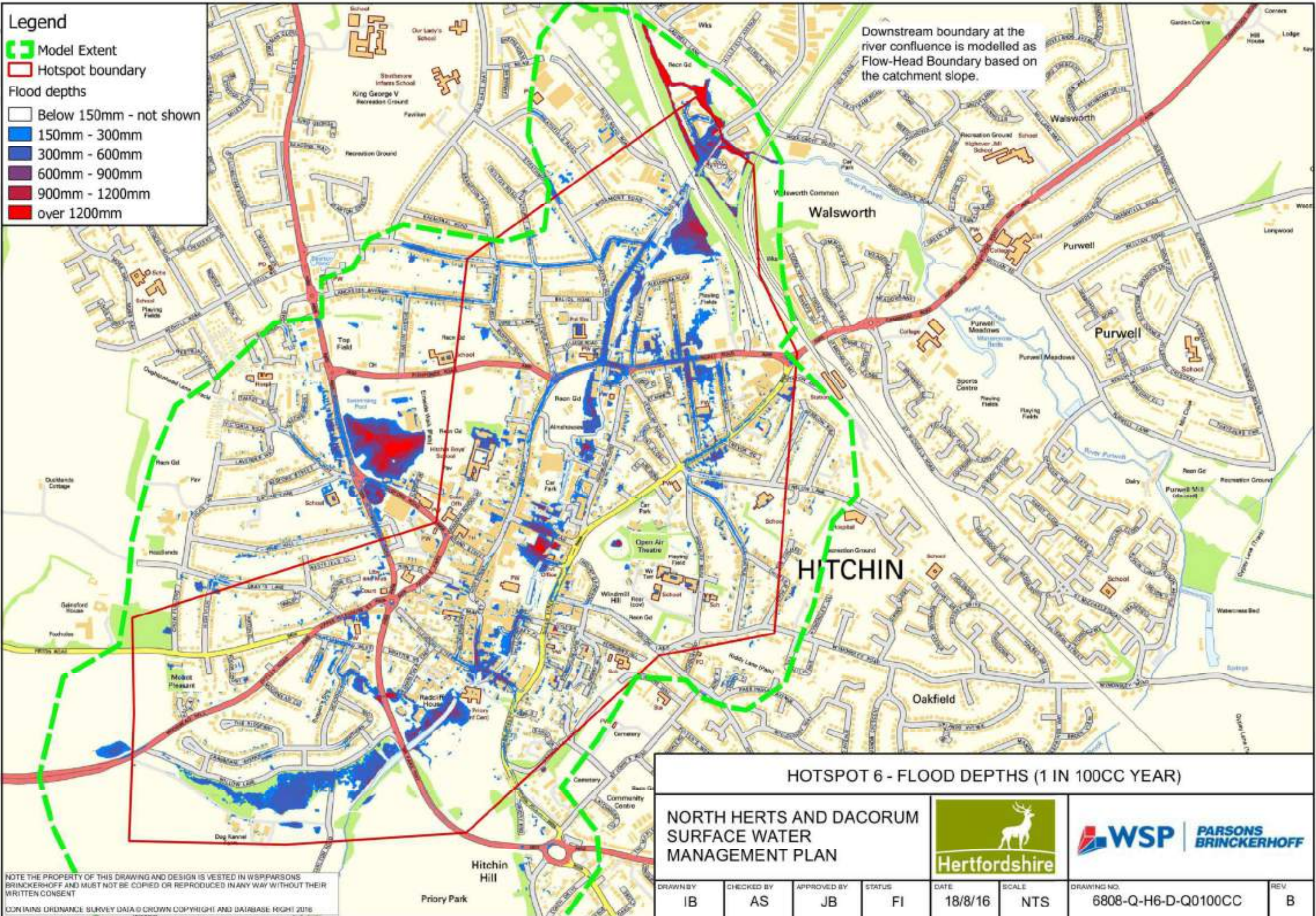
- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

**HOTSPOT 6 - FLOOD DEPTHS (1 IN 100 YEAR)**

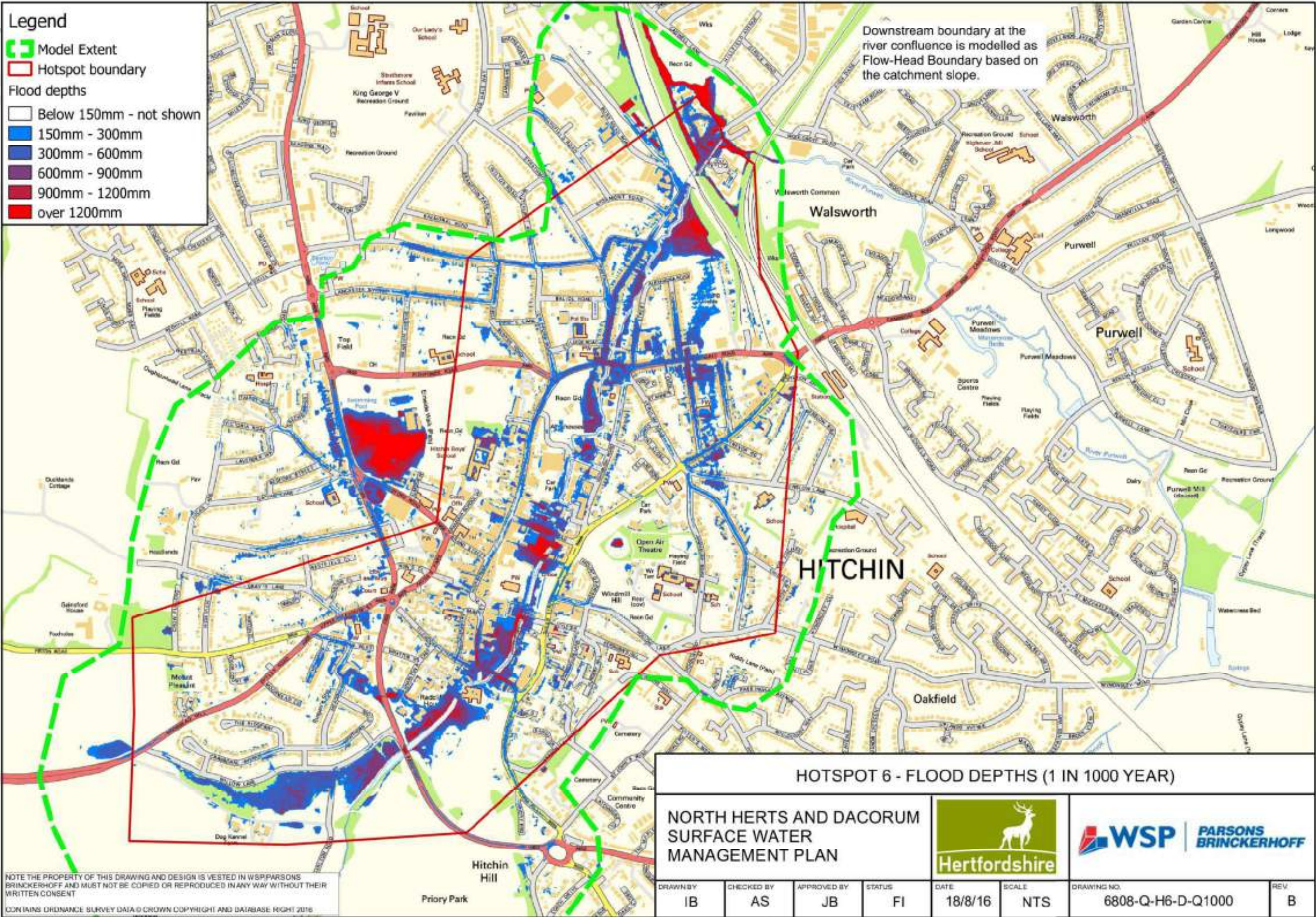
<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>															
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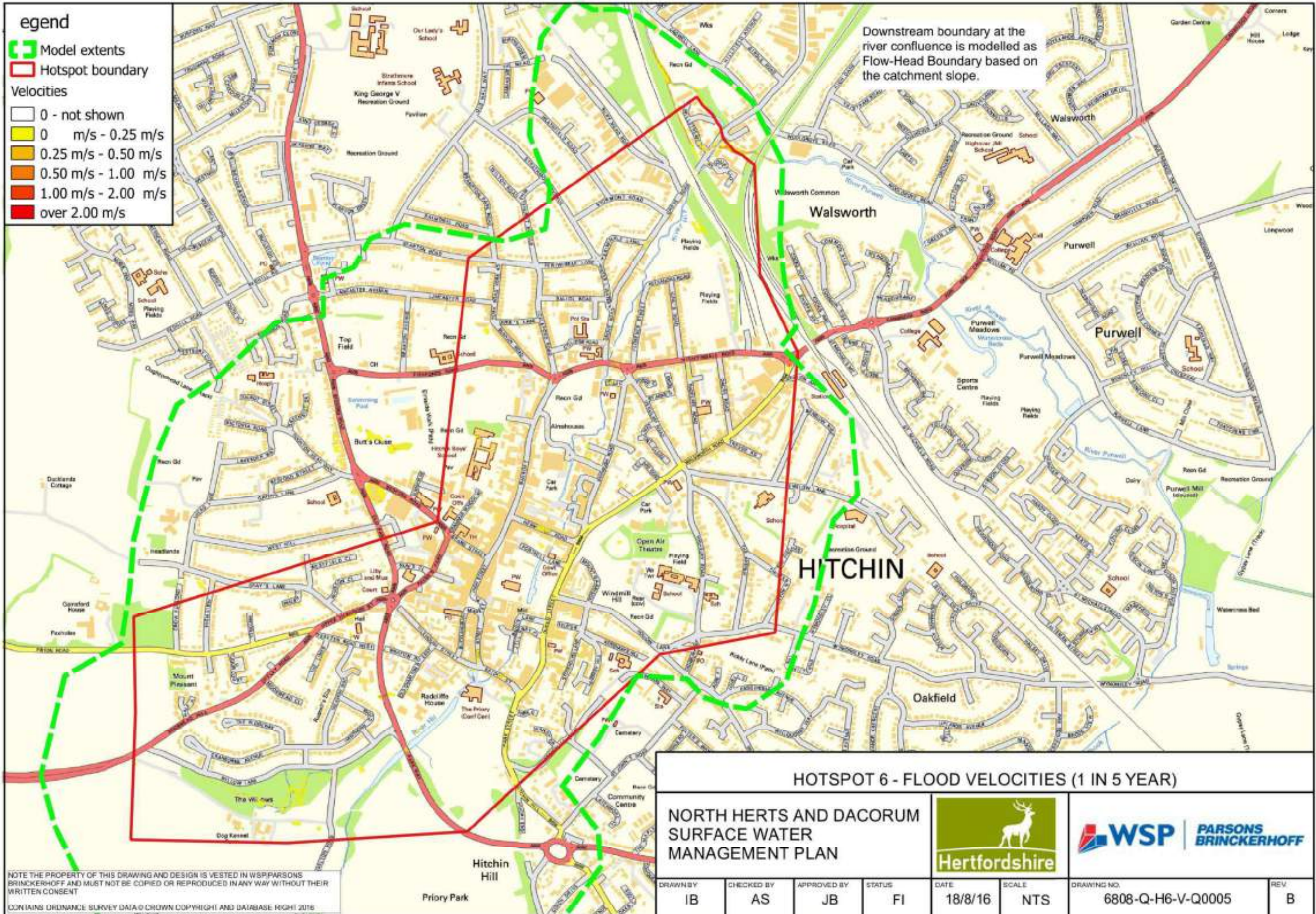




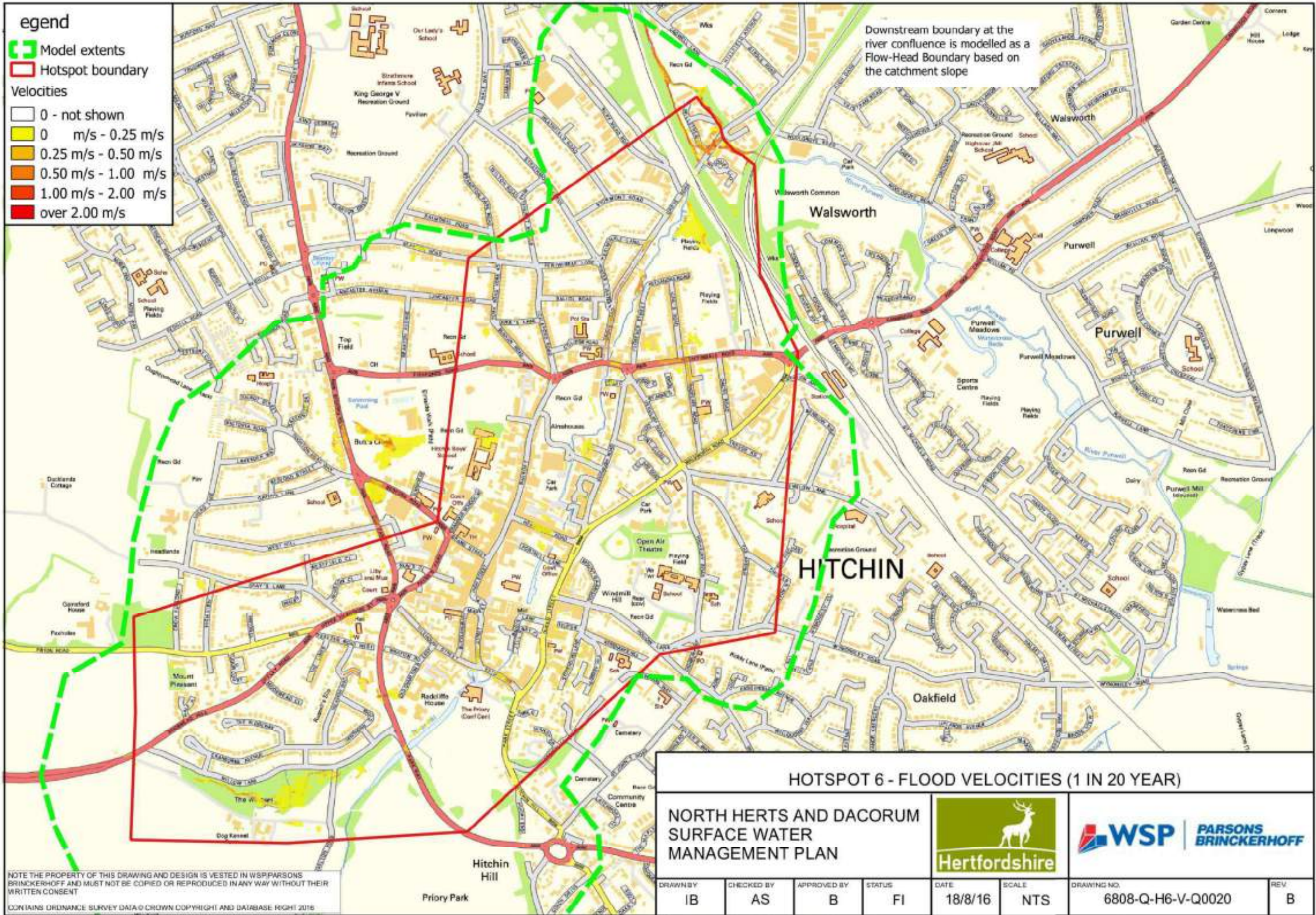












Downstream boundary at the river confluence is modelled as a Flow-Head Boundary based on the catchment slope

**egend**

- Model extents
- Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

**HOTSPOT 6 - FLOOD VELOCITIES (1 IN 20 YEAR)**

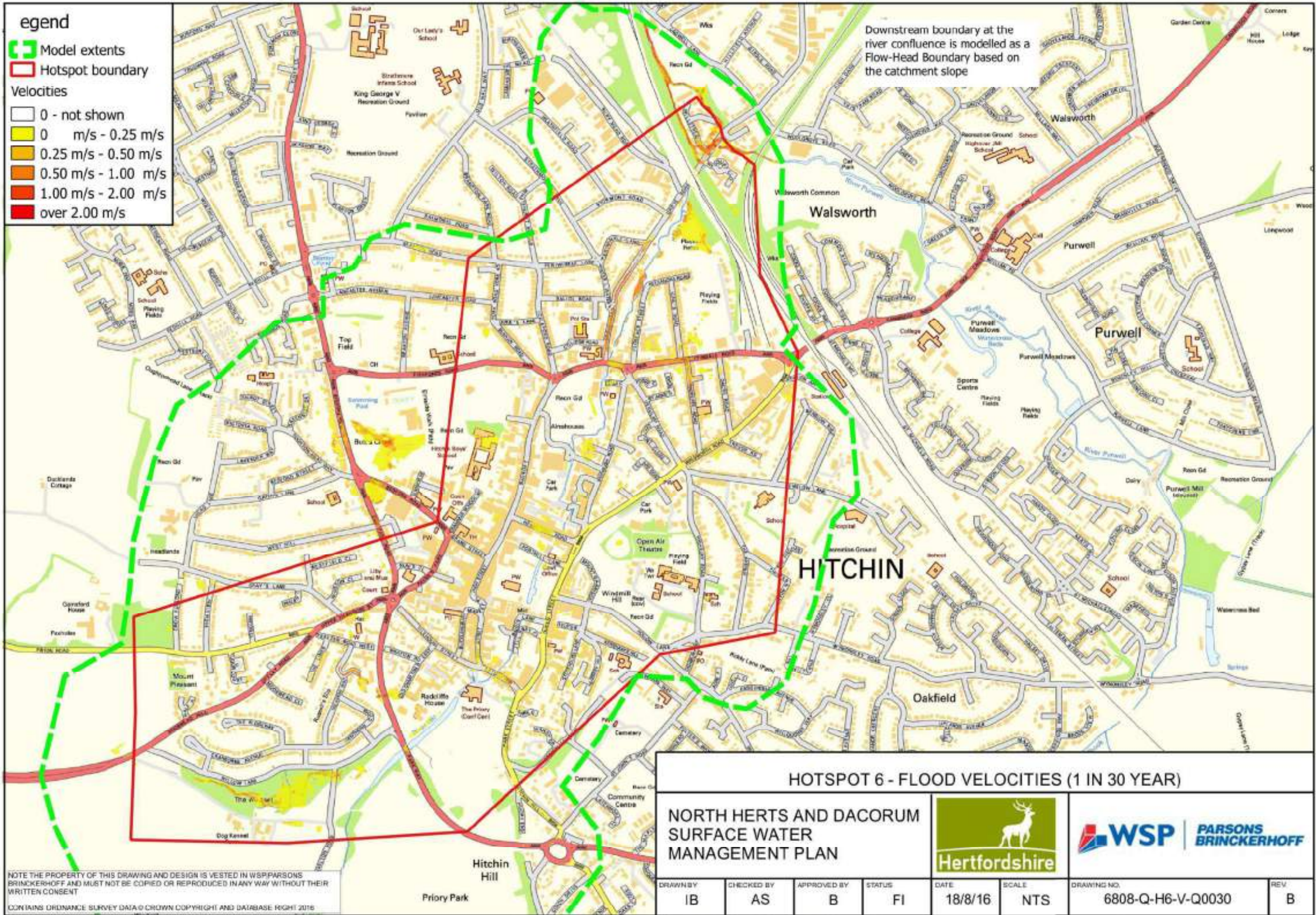
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



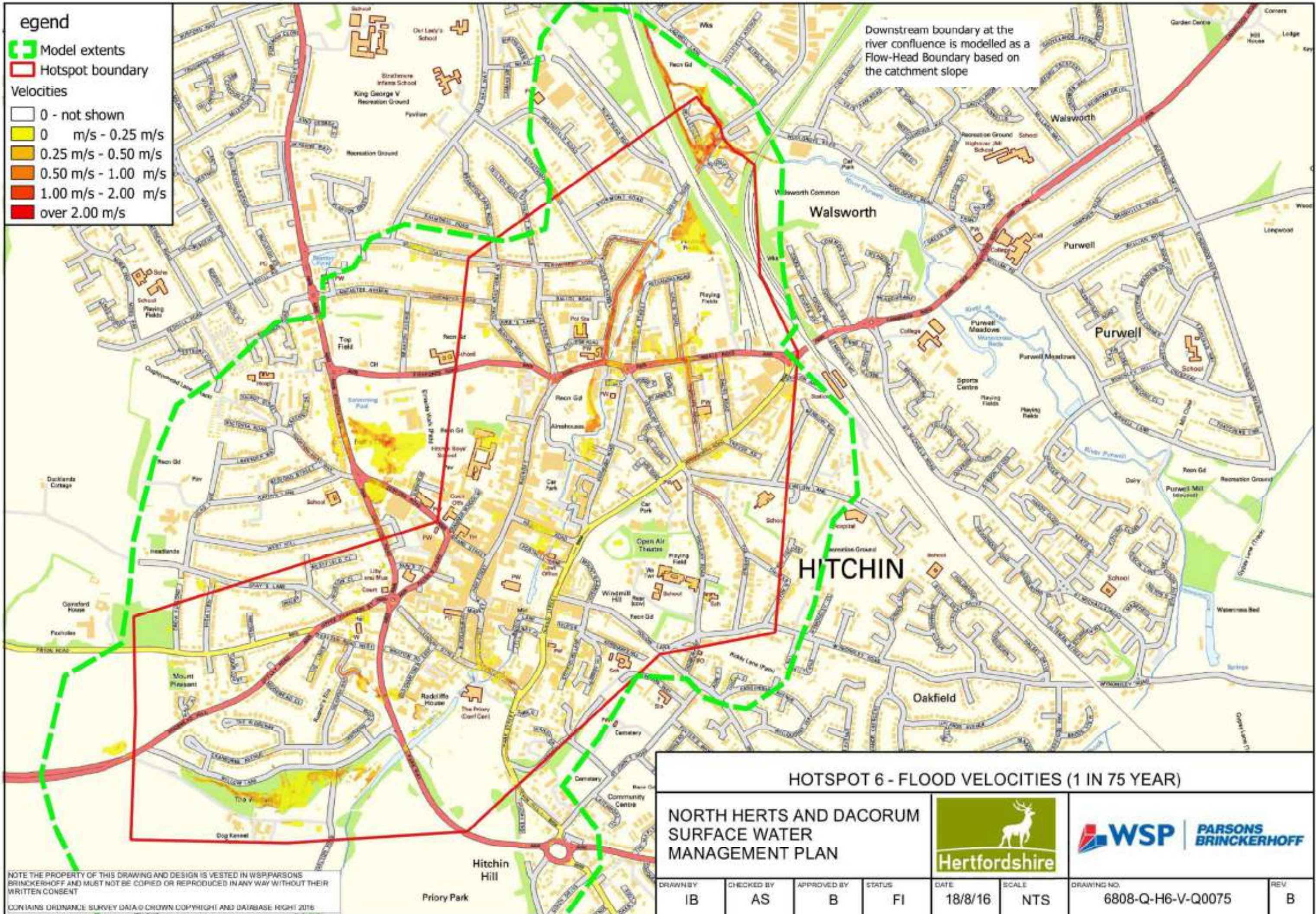
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**egend**

Model extents

Hotspot boundary

**Velocities**

0 - not shown

0 m/s - 0.25 m/s

0.25 m/s - 0.50 m/s

0.50 m/s - 1.00 m/s

1.00 m/s - 2.00 m/s

over 2.00 m/s

Downstream boundary at the river confluence is modelled as a Flow-Head Boundary based on the catchment slope

**HOTSPOT 6 - FLOOD VELOCITIES (1 IN 75 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**

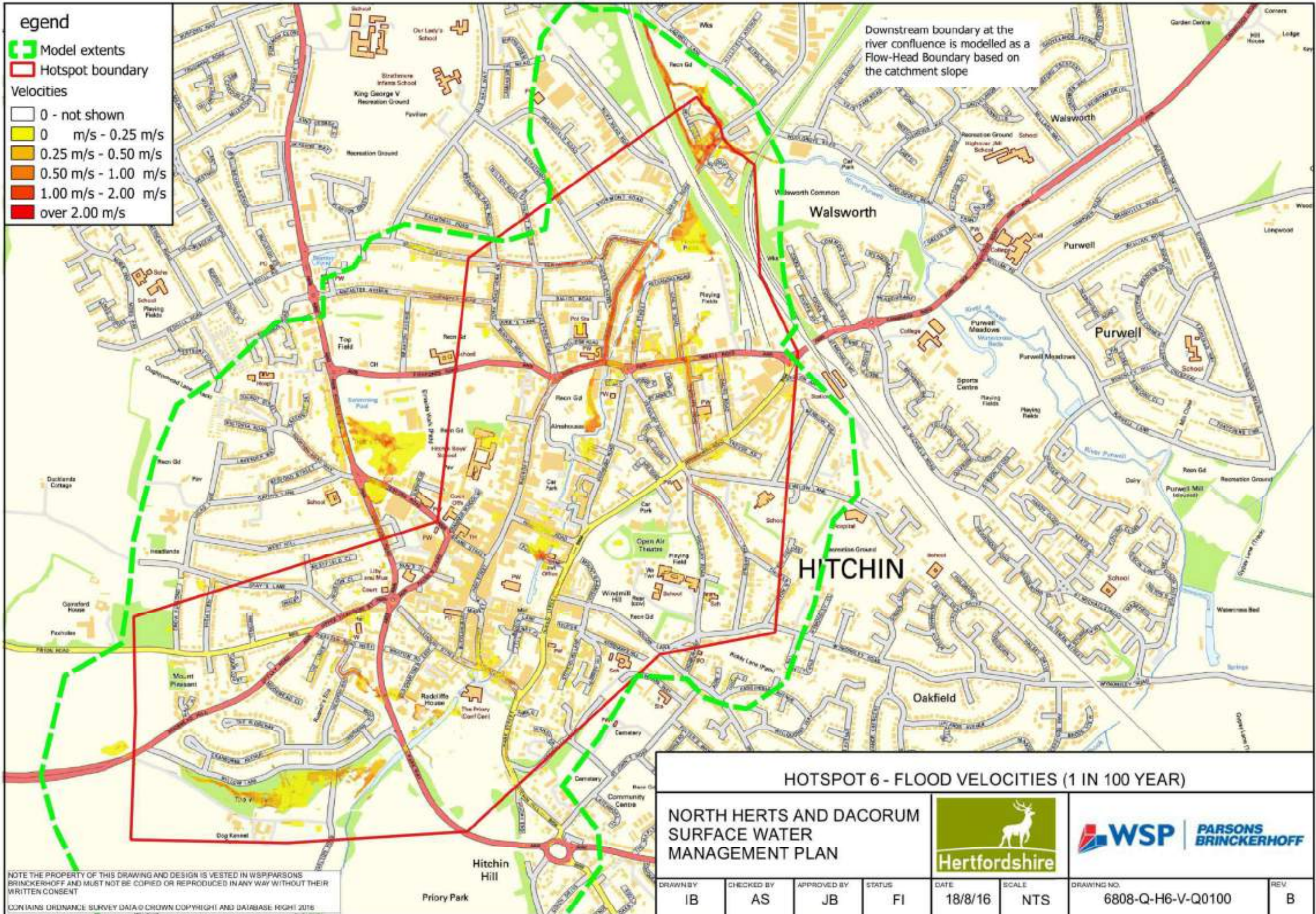


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**egend**

Model extents

Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

Downstream boundary at the river confluence is modelled as a Flow-Head Boundary based on the catchment slope

**HOTSPOT 6 - FLOOD VELOCITIES (1 IN 100 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**

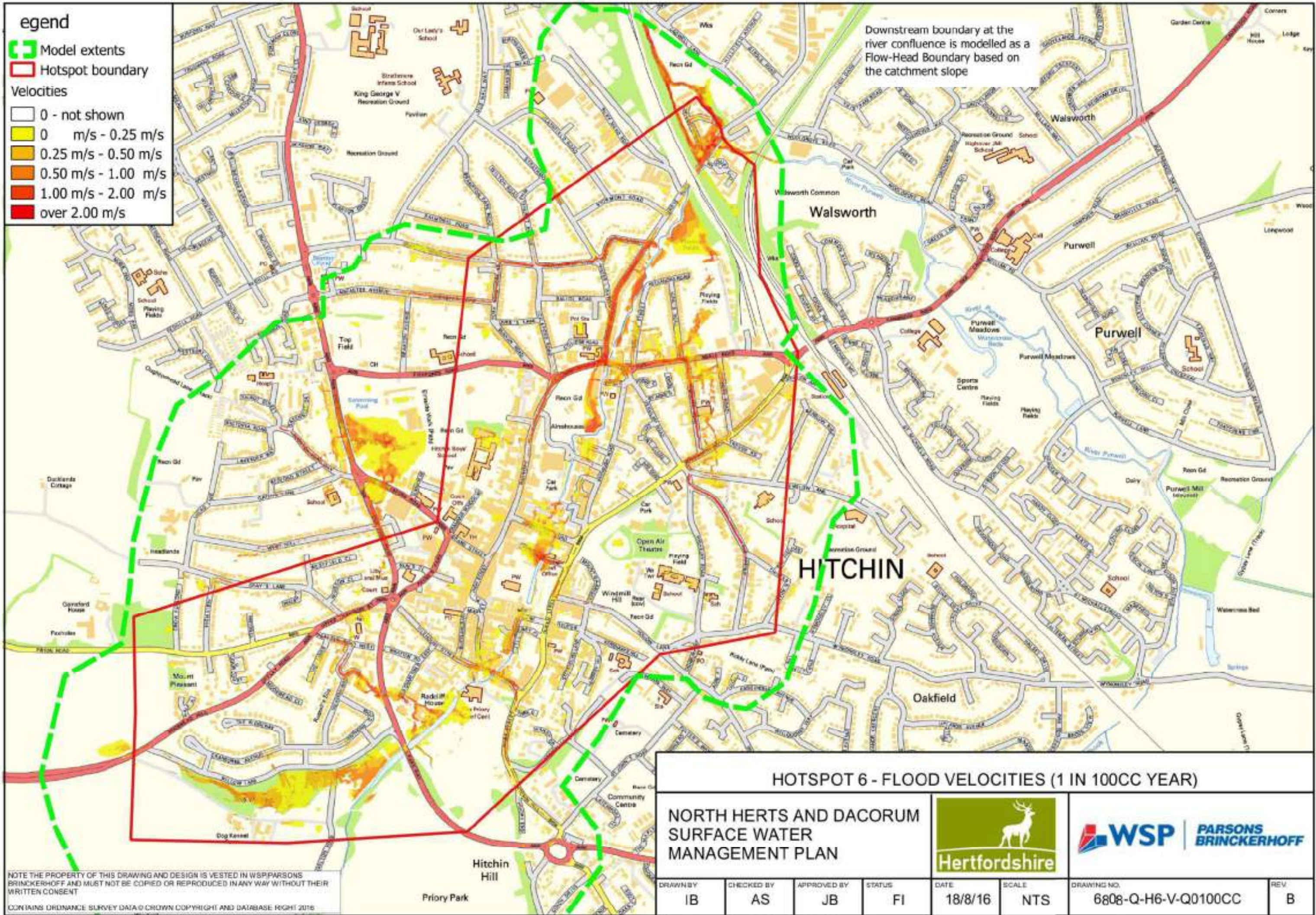


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**egend**

Model extents

Hotspot boundary

**Velocities**

0 - not shown

0 m/s - 0.25 m/s

0.25 m/s - 0.50 m/s

0.50 m/s - 1.00 m/s

1.00 m/s - 2.00 m/s

over 2.00 m/s

Downstream boundary at the river confluence is modelled as a Flow-Head Boundary based on the catchment slope

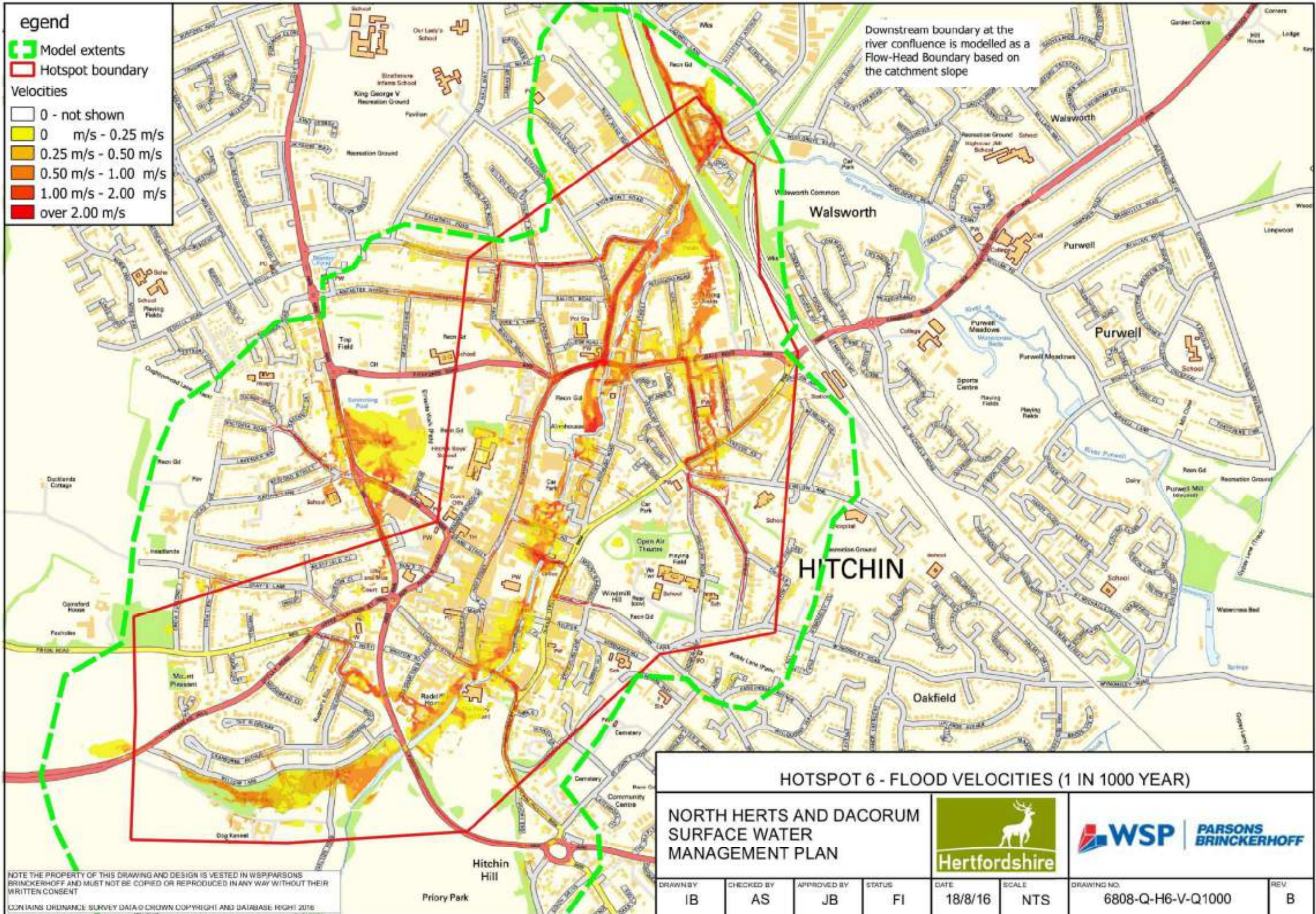
**HOTSPOT 6 - FLOOD VELOCITIES (1 IN 100CC YEAR)**

<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>			<b>PARSONS BRINCKERHOFF</b>
DRAWN BY	CHECKED BY	APPROVED BY	STATUS
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**egend**

Model extents

Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

Downstream boundary at the river confluence is modelled as a Flow-Head Boundary based on the catchment slope

**HOTSPOT 6 - FLOOD VELOCITIES (1 IN 1000 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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IB	AS	JB	FI	18/8/16	NTS	6808-Q-H6-V-Q1000	B






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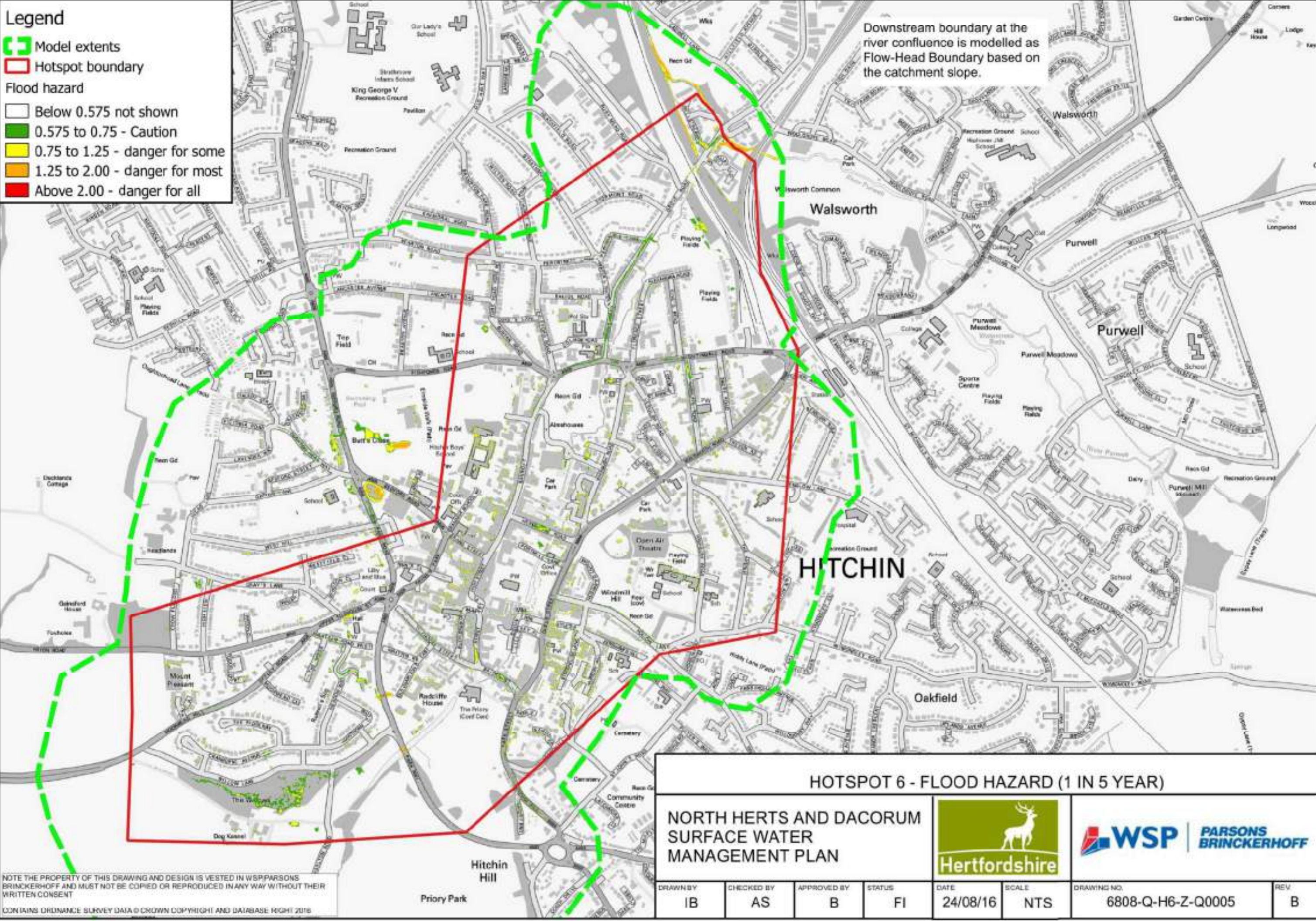
**Legend**

-  Model extents
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - danger for some
-  1.25 to 2.00 - danger for most
-  Above 2.00 - danger for all

Downstream boundary at the river confluence is modelled as Flow-Head Boundary based on the catchment slope.



**HOTSPOT 6 - FLOOD HAZARD (1 IN 5 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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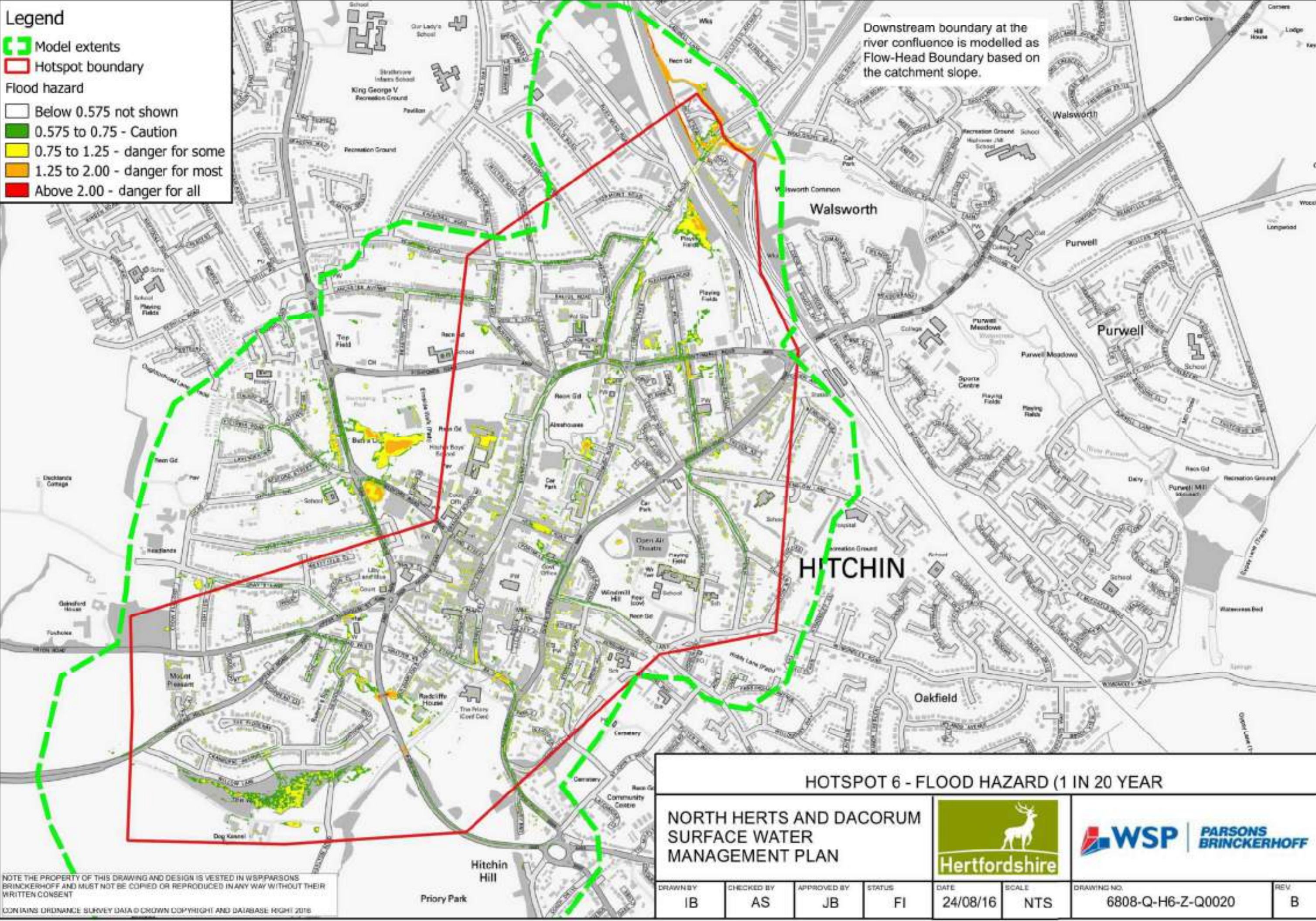
**Legend**

- Model extents
- Hotspot boundary

**Flood hazard**

- Below 0.575 not shown
- 0.575 to 0.75 - Caution
- 0.75 to 1.25 - danger for some
- 1.25 to 2.00 - danger for most
- Above 2.00 - danger for all

Downstream boundary at the river confluence is modelled as Flow-Head Boundary based on the catchment slope.



**HOTSPOT 6 - FLOOD HAZARD (1 IN 20 YEAR)**

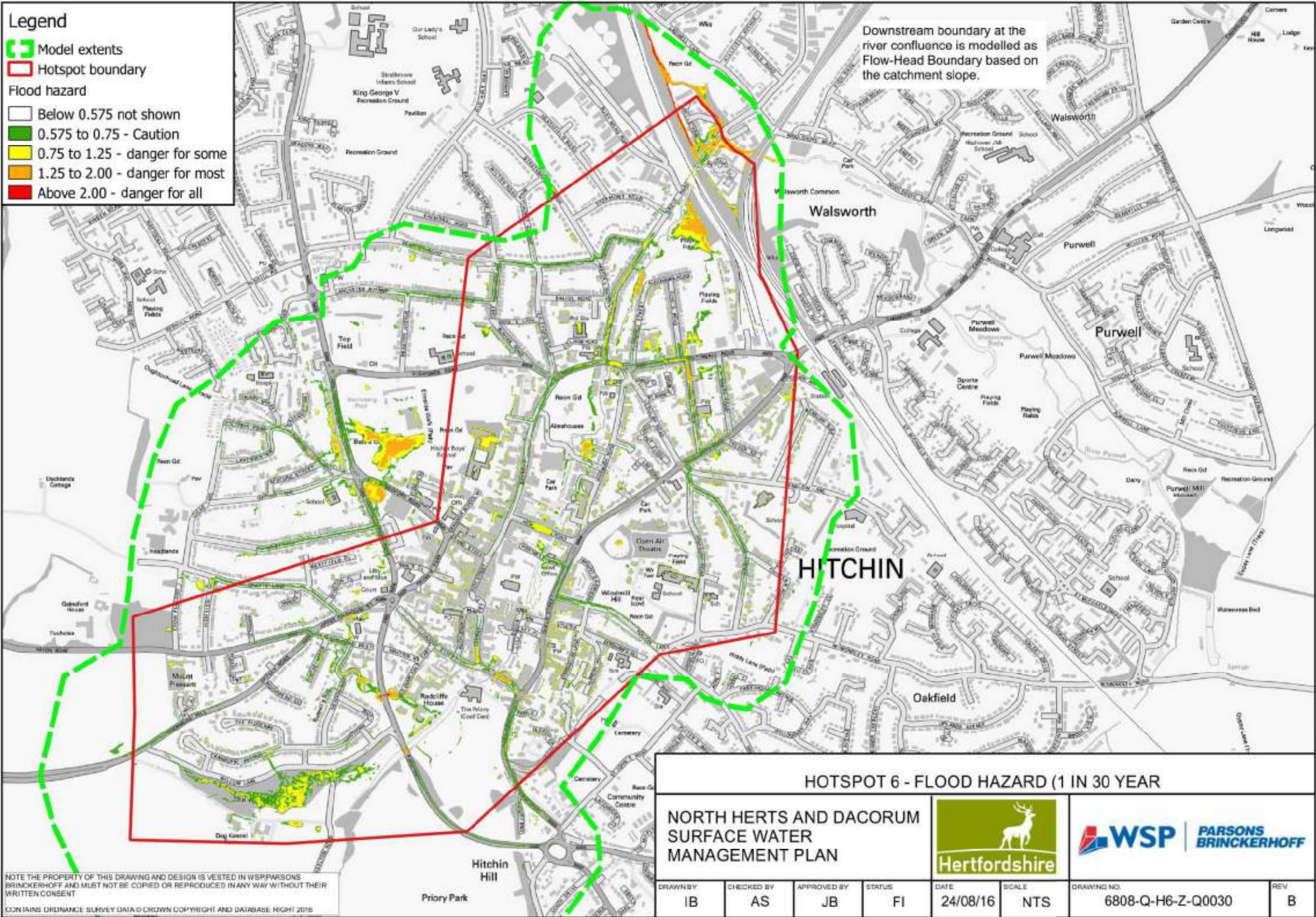
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



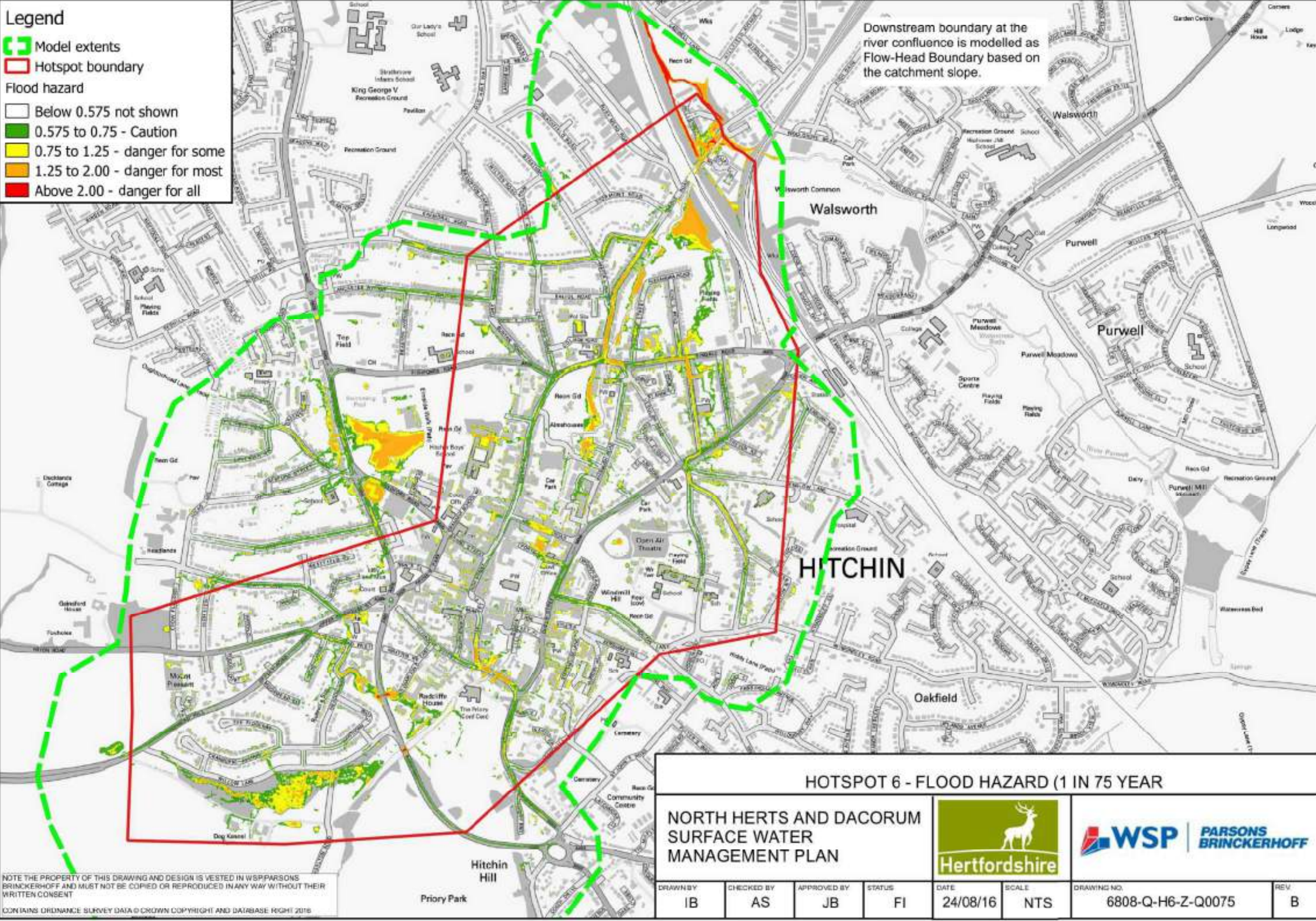
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**Legend**

- Model extents
- Hotspot boundary

**Flood hazard**

- Below 0.575 not shown
- 0.575 to 0.75 - Caution
- 0.75 to 1.25 - danger for some
- 1.25 to 2.00 - danger for most
- Above 2.00 - danger for all

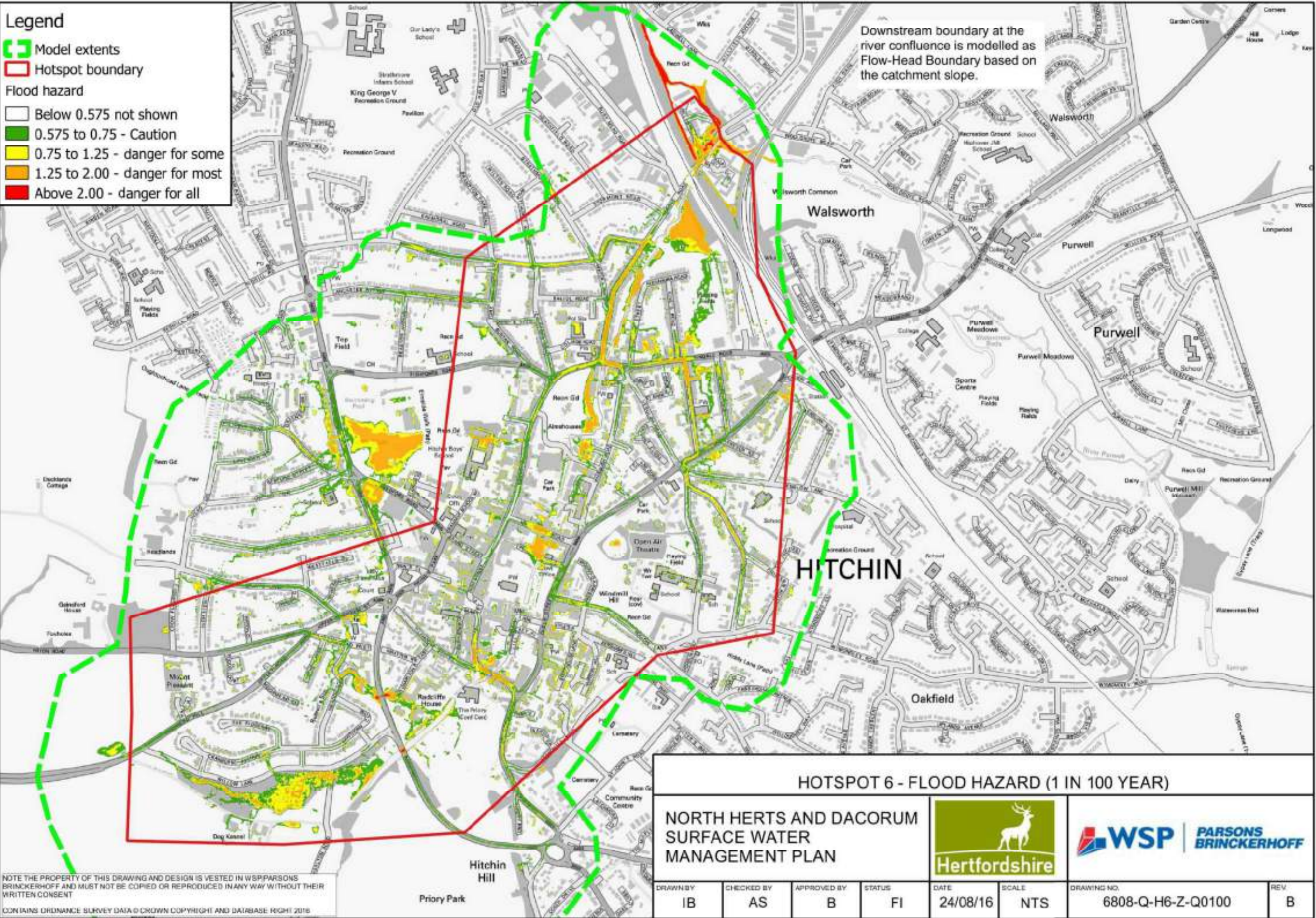
Downstream boundary at the river confluence is modelled as Flow-Head Boundary based on the catchment slope.

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**HOTSPOT 6 - FLOOD HAZARD (1 IN 75 YEAR)**

<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>							
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IB	AS	JB	FI	24/08/16	NTS	6808-Q-H6-Z-Q0075	B







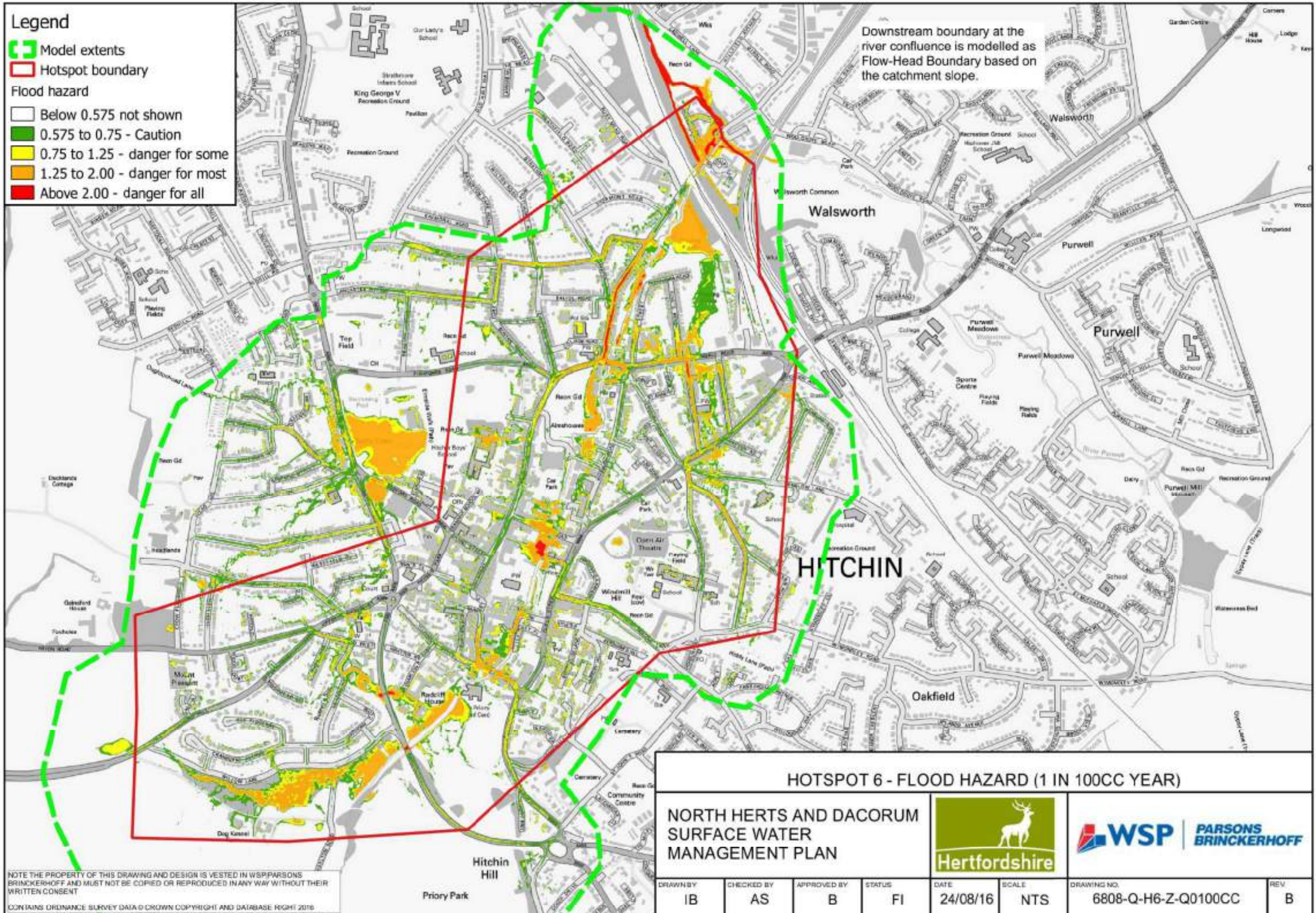
**Legend**

- Model extents
- Hotspot boundary

**Flood hazard**

- Below 0.575 not shown
- 0.575 to 0.75 - Caution
- 0.75 to 1.25 - danger for some
- 1.25 to 2.00 - danger for most
- Above 2.00 - danger for all

Downstream boundary at the river confluence is modelled as Flow-Head Boundary based on the catchment slope.



**HOTSPOT 6 - FLOOD HAZARD (1 IN 100CC YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**

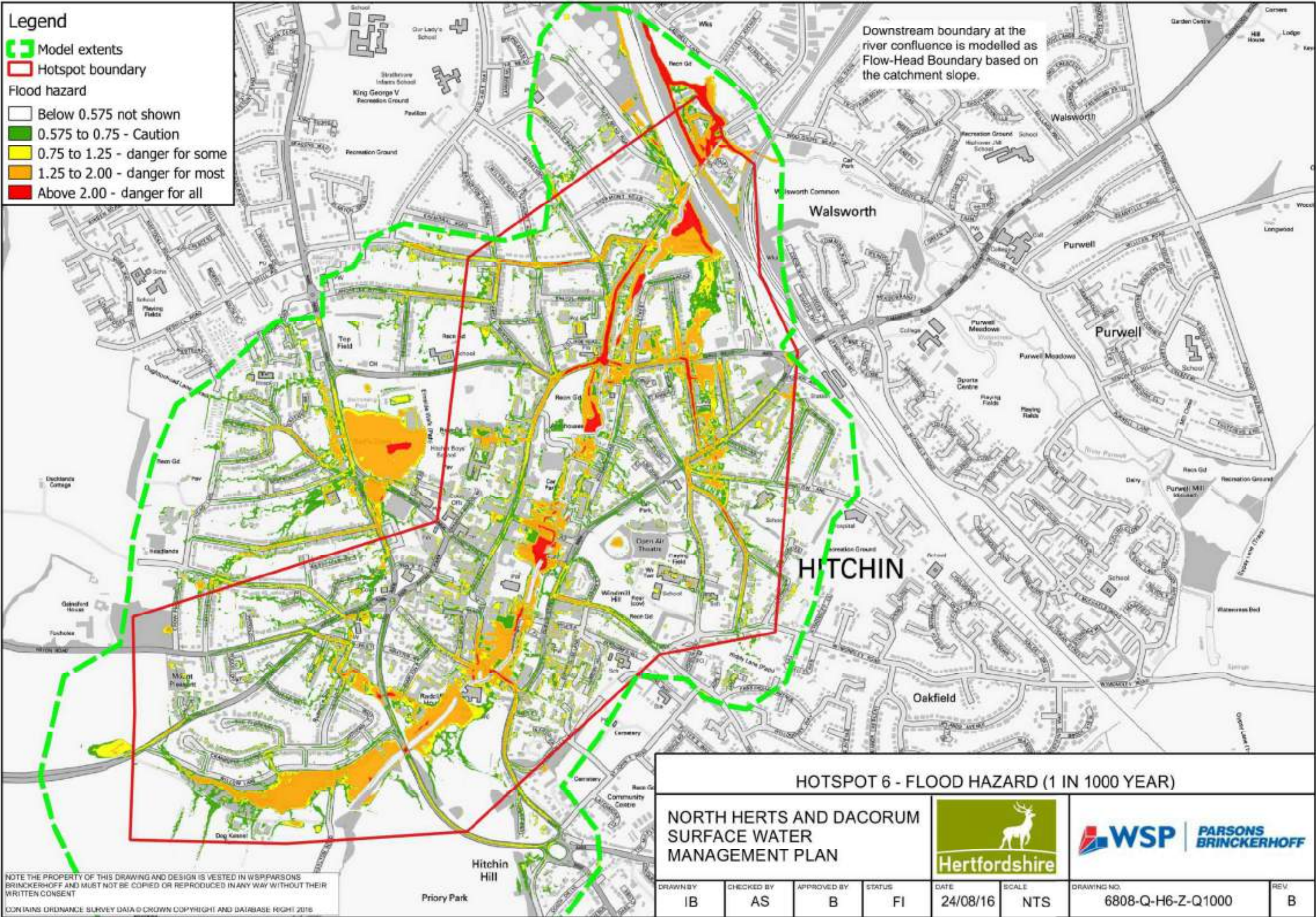


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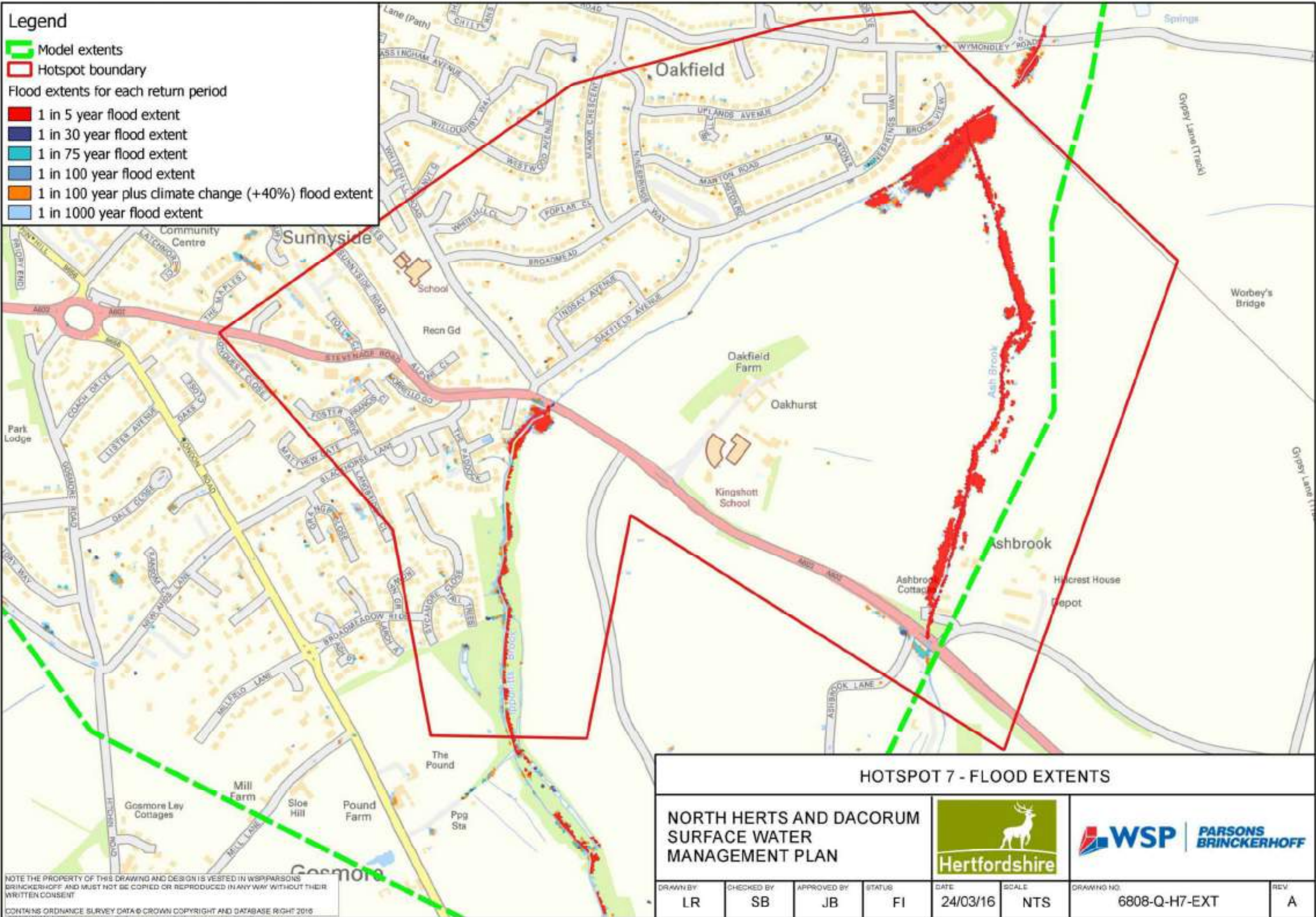
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**Legend**

- Model extents
- Hotspot boundary
- Flood extents for each return period**
- 1 in 5 year flood extent
- 1 in 30 year flood extent
- 1 in 75 year flood extent
- 1 in 100 year flood extent
- 1 in 100 year plus climate change (+40%) flood extent
- 1 in 1000 year flood extent

**HOTSPOT 7 - FLOOD EXTENTS**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extents
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

**HOTSPOT 7 - FLOOD DEPTHS (1 IN 5 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- - - Model extents
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

<b>HOTSPOT 7 - FLOOD DEPTHS (1 IN 20 YEAR)</b>					
<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>					
DRAWN BY	CHECKED BY	APPROVED BY	STATUS	DATE	SCALE
LR	SB	JB	FI	24/03/16	NTS
DRAWING NO.				REV	
6808-Q-H7-D-Q0020				A	

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- Legend**
- Model extents
  - Hotspot boundary
- Flood depths**
- Below 150mm - not shown
  - 150mm - 300mm
  - 300mm - 600mm
  - 600mm - 900mm
  - 900mm - 1200mm
  - over 1200mm

<b>HOTSPOT 7 - FLOOD DEPTHS (1 IN 30 YEAR)</b>					
<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>					
DRAWN BY <b>LR</b>	CHECKED BY <b>SB</b>	APPROVED BY <b>JB</b>	STATUS <b>FI</b>	DATE <b>24/03/16</b>	SCALE <b>NTS</b>
				DRAWING NO. <b>6808-Q-H7-D-Q0030</b>	REV <b>A</b>

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**Legend**

- - - Model extents
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

**HOTSPOT 7 - FLOOD DEPTHS (1 IN 100 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



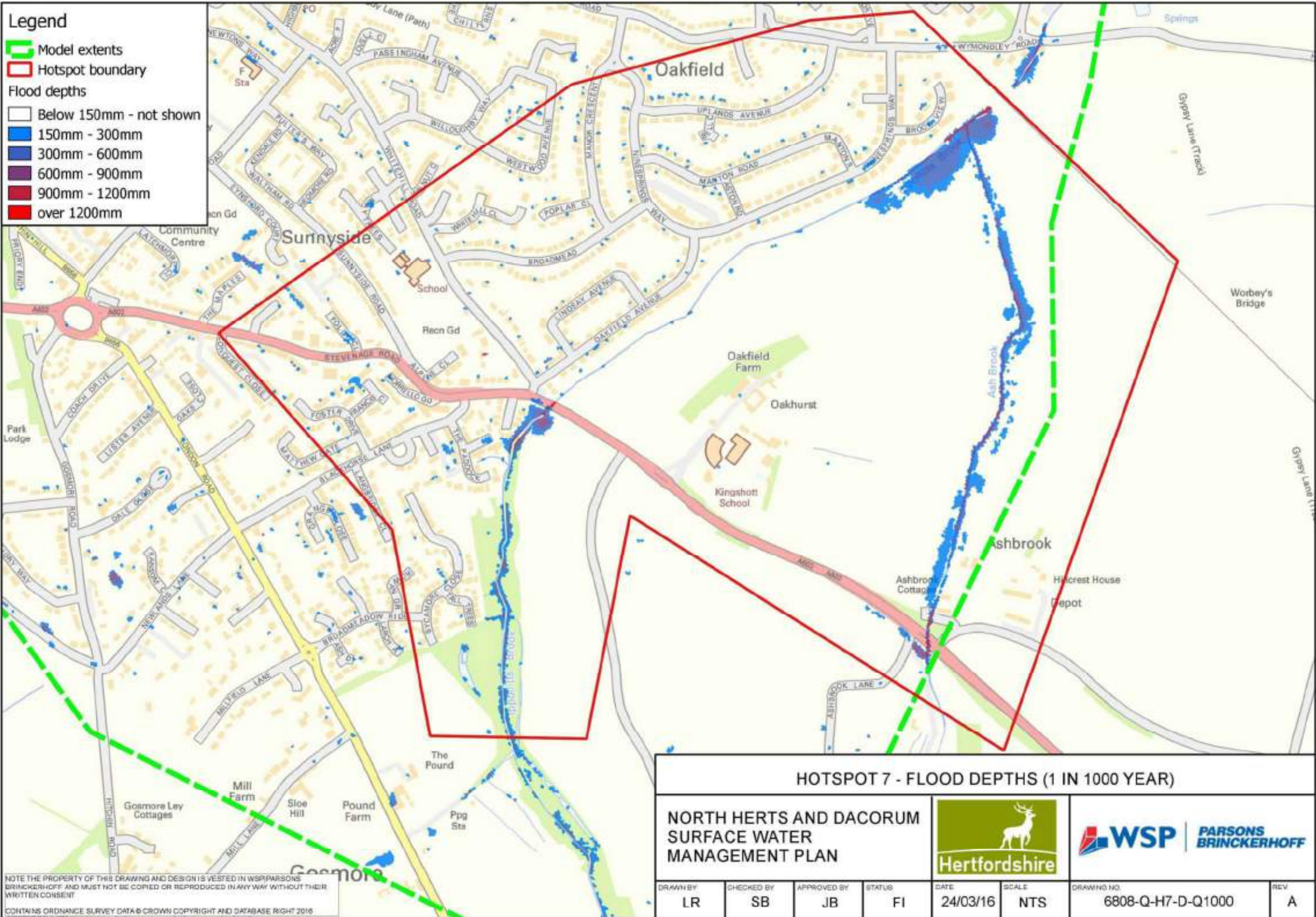
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**Legend**

- Model extents
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

**HOTSPOT 7 - FLOOD DEPTHS (1 IN 1000 YEAR)**

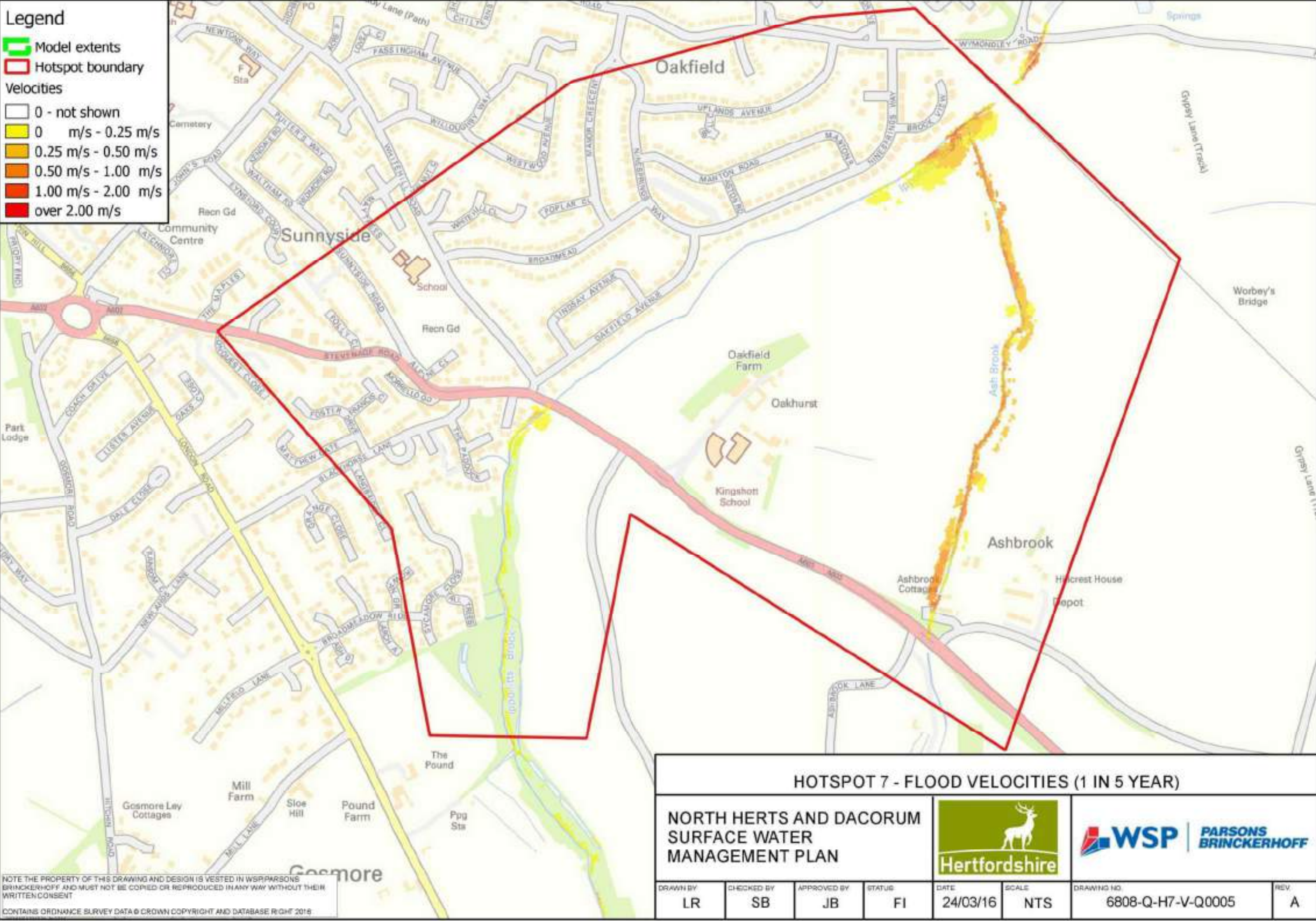
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extents
- Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

**HOTSPOT 7 - FLOOD VELOCITIES (1 IN 5 YEAR)**

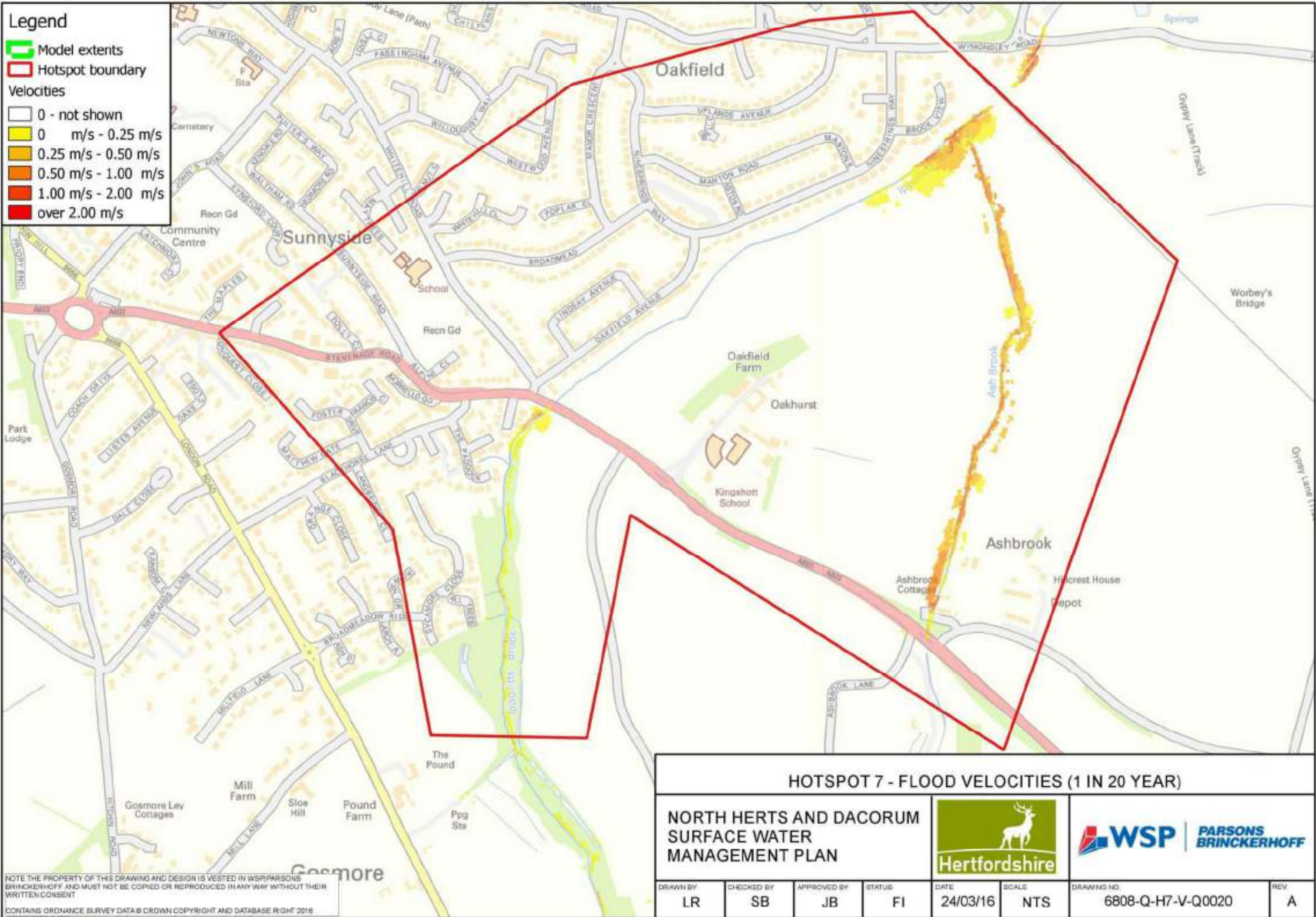
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



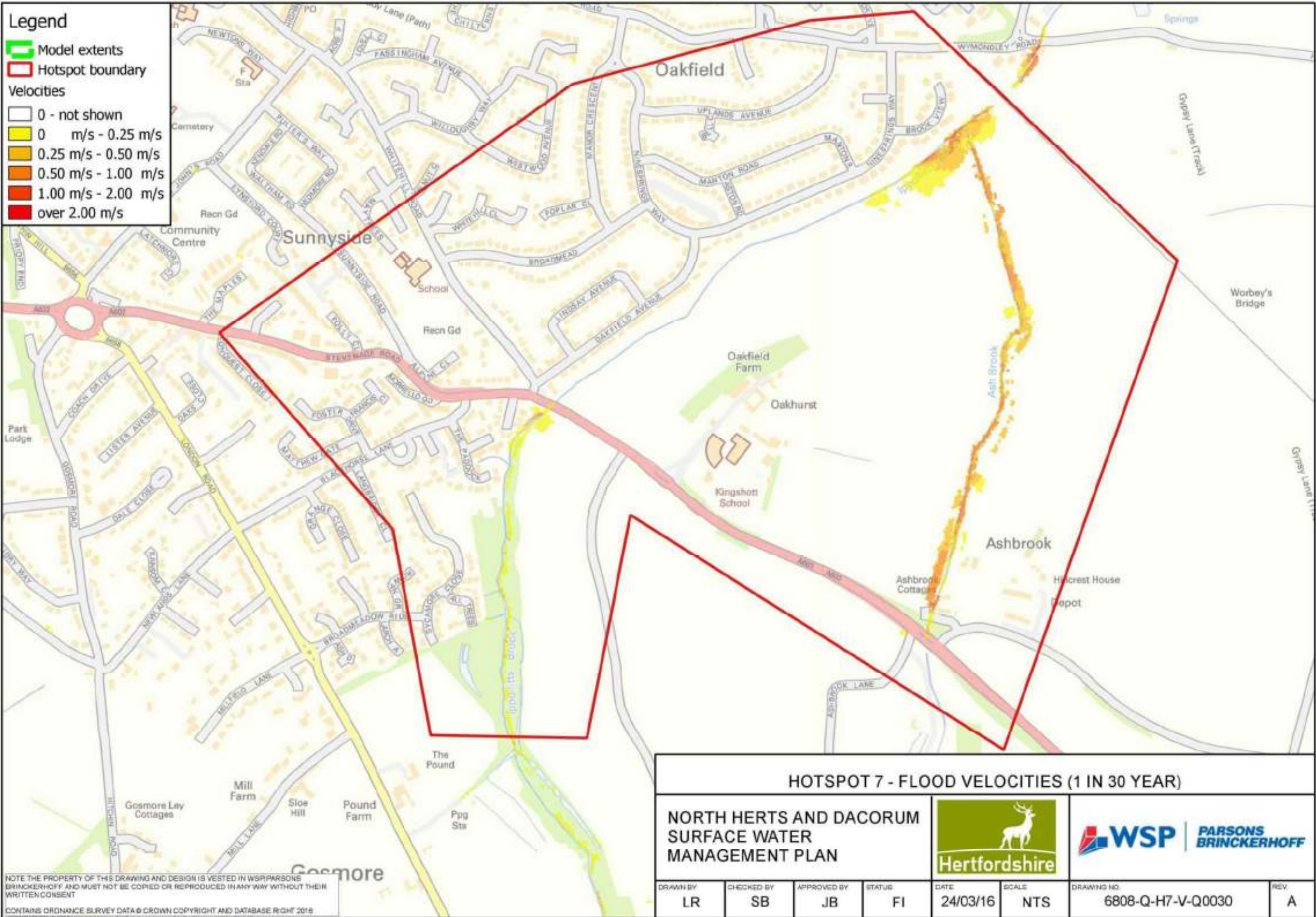
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DRAWN BY LR	CHECKED BY SB	APPROVED BY JB	STATUS FI	DATE 24/03/16	SCALE NTS	DRAWING NO. 6808-Q-H7-V-Q0005	REV. A
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**Legend**

- █ Model extents
- █ Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

**HOTSPOT 7 - FLOOD VELOCITIES (1 IN 30 YEAR)**

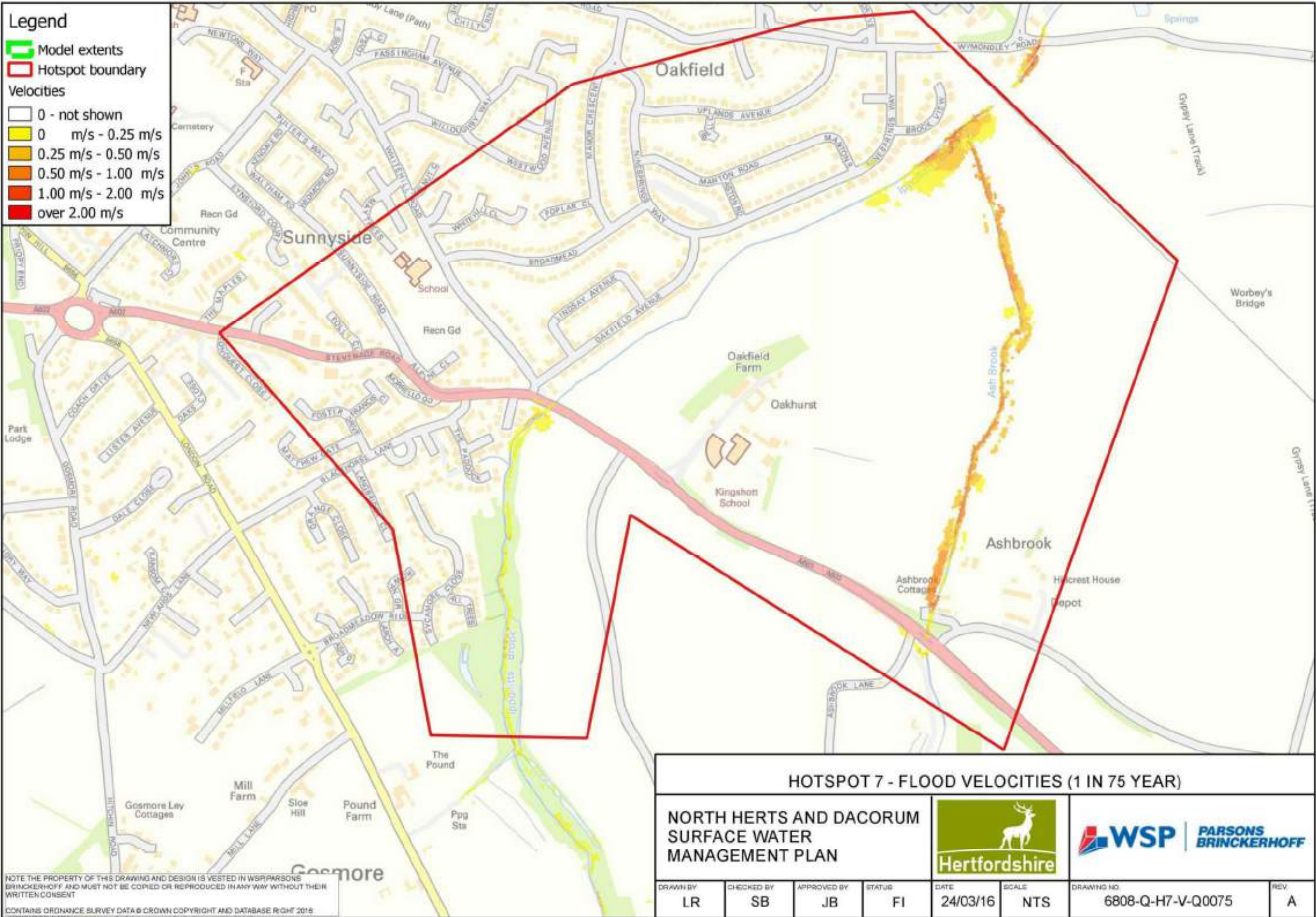
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extents
- Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

**HOTSPOT 7 - FLOOD VELOCITIES (1 IN 75 YEAR)**

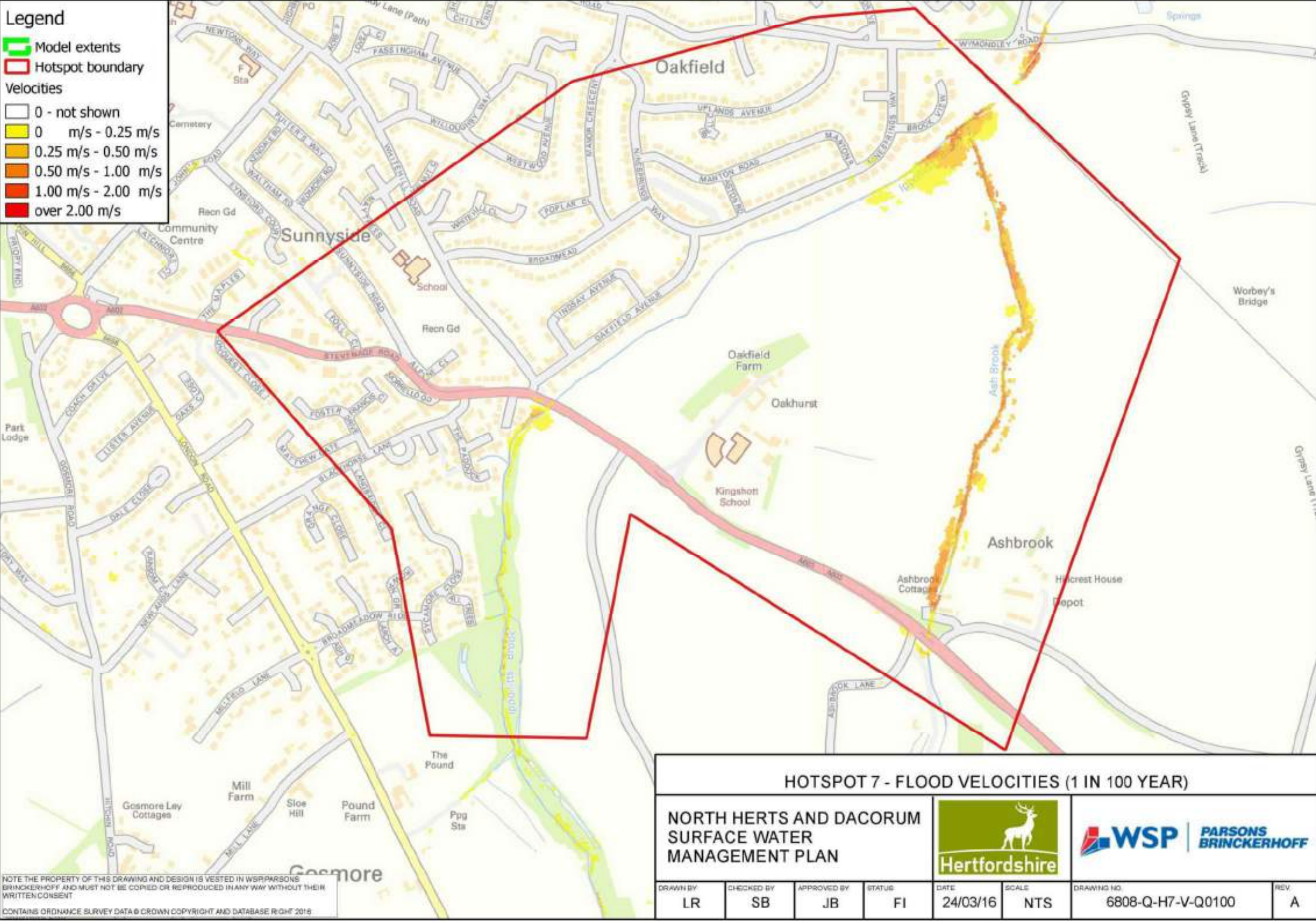
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- █ Model extents
- █ Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

**HOTSPOT 7 - FLOOD VELOCITIES (1 IN 100 YEAR)**

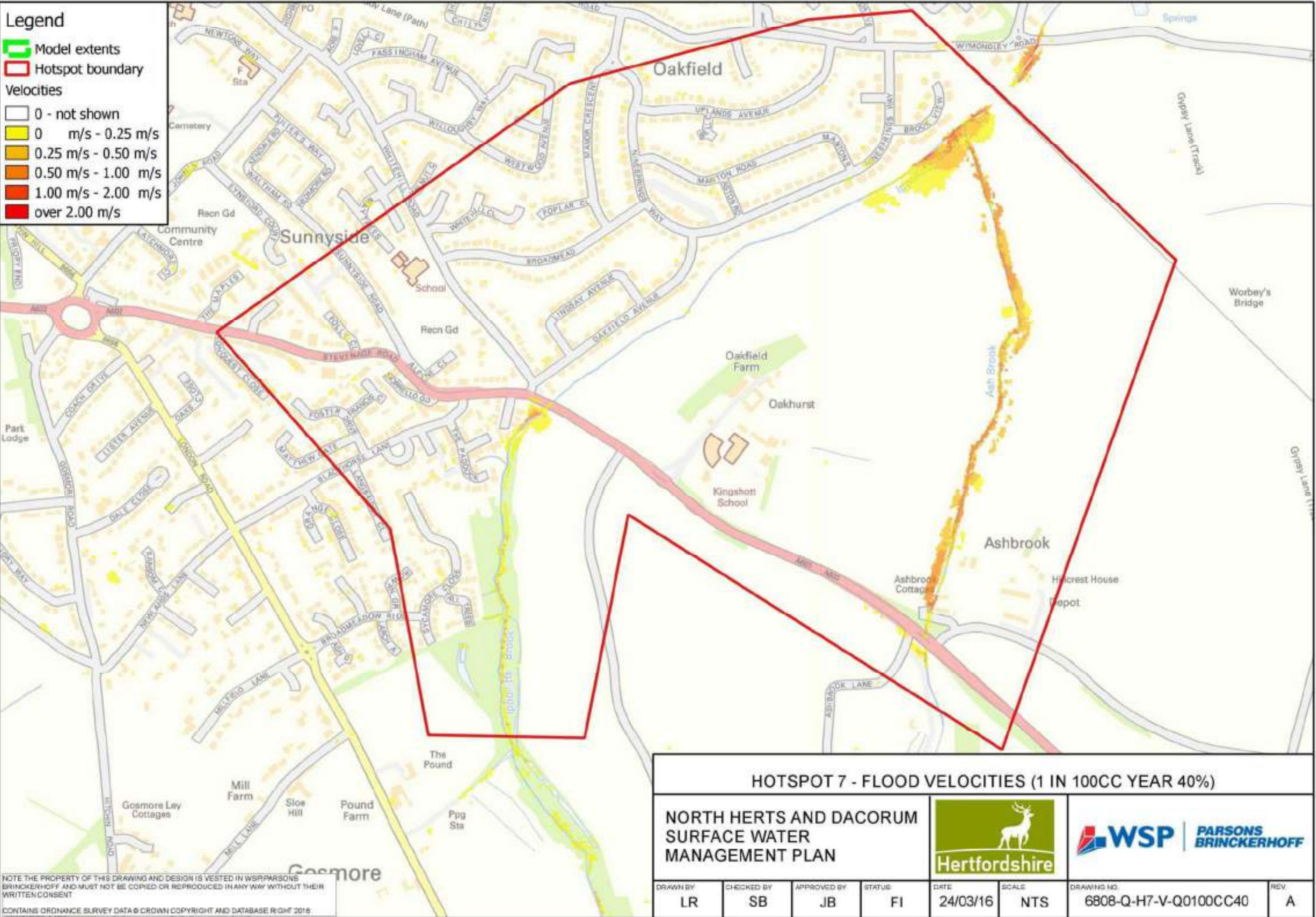
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



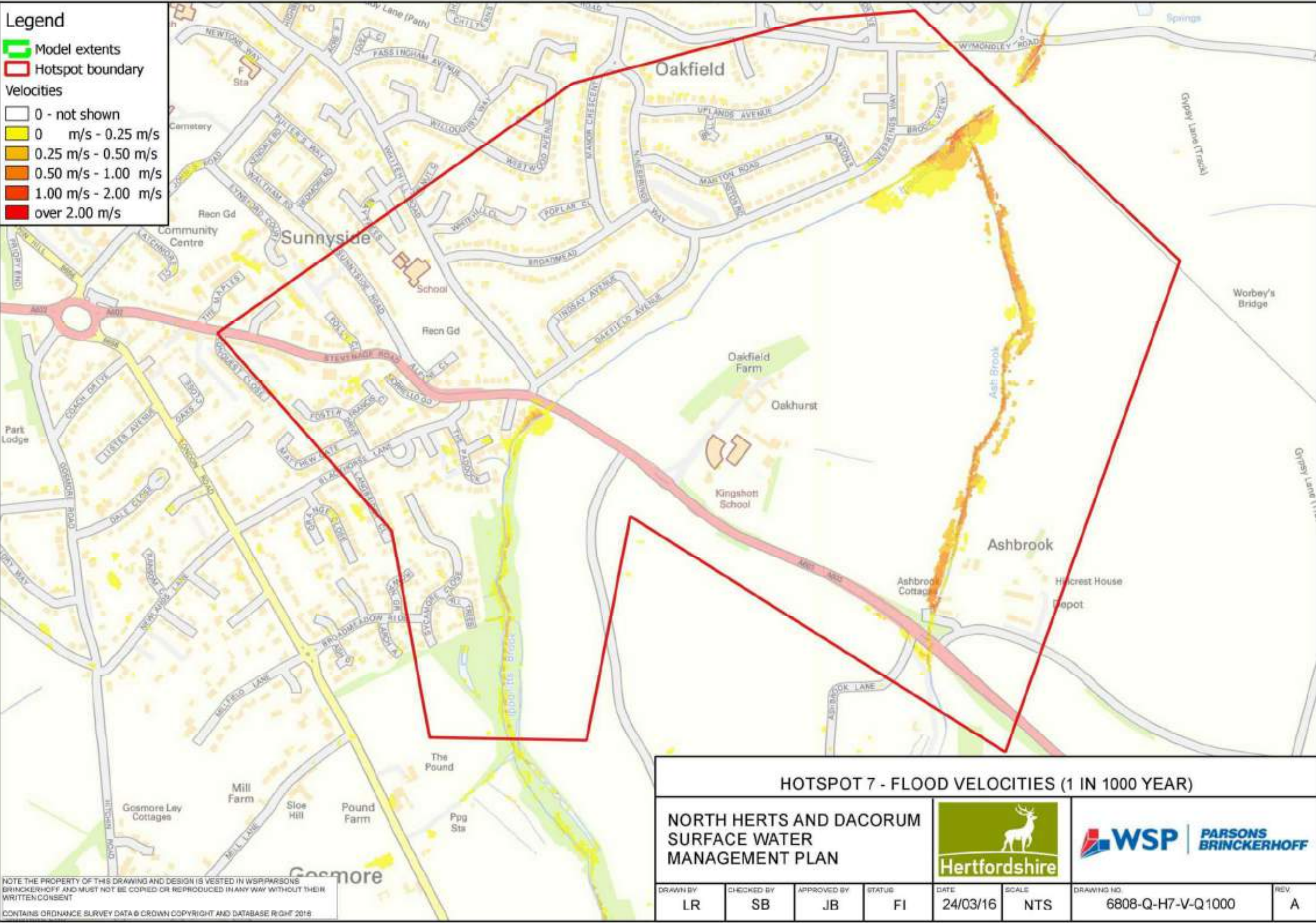
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DRAWN BY LR	CHECKED BY SB	APPROVED BY JB	STATUS FI	DATE 24/03/16	SCALE NTS	DRAWING NO. 6808-Q-H7-V-Q0100	REV. A
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**Legend**

- Model extents
- Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

**HOTSPOT 7 - FLOOD VELOCITIES (1 IN 1000 YEAR)**

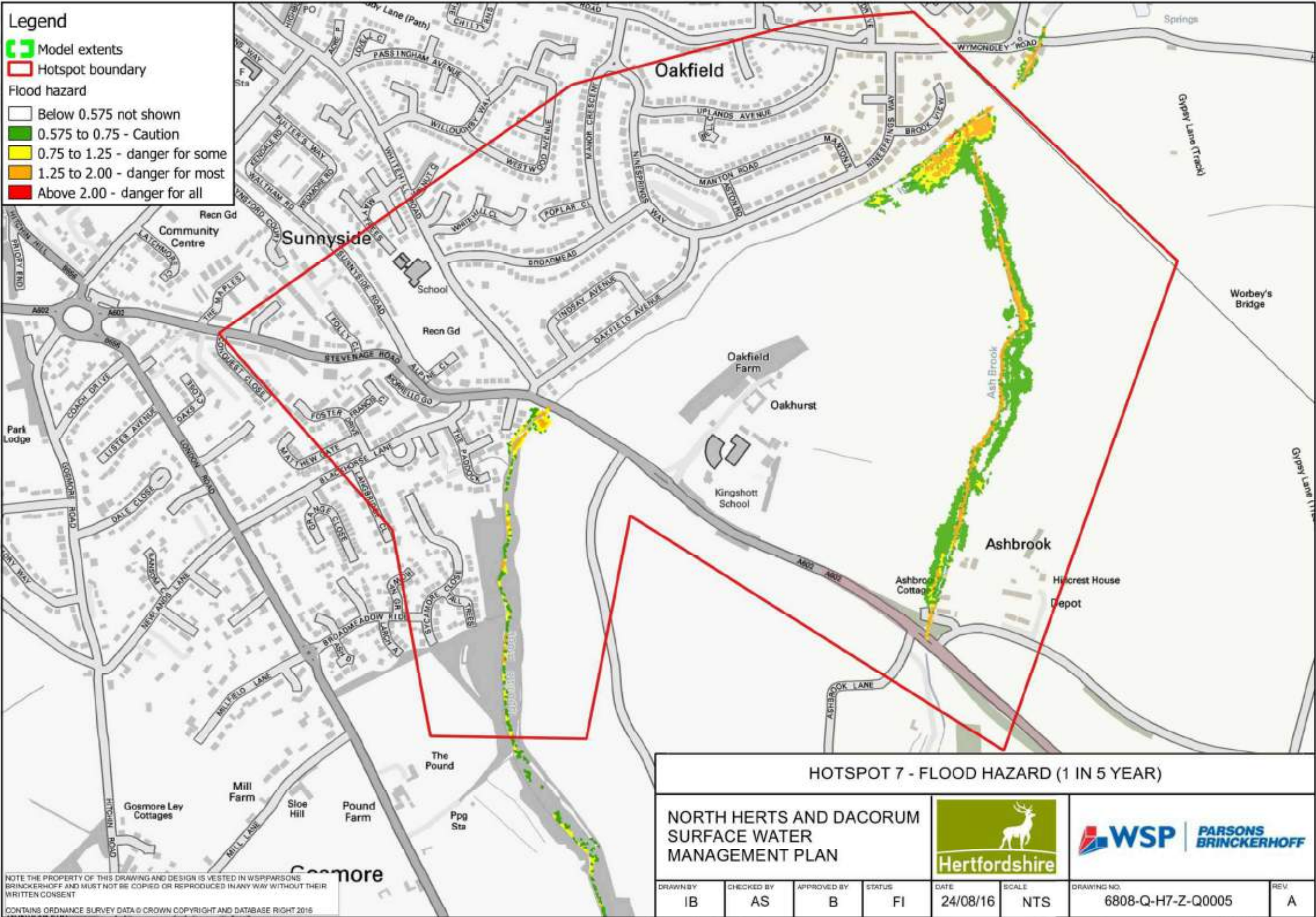
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



DRAWN BY LR	CHECKED BY SB	APPROVED BY JB	STATUS FI	DATE 24/03/16	SCALE NTS	DRAWING NO. 6808-Q-H7-V-Q1000	REV. A
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**Legend**

- Model extents
- Hotspot boundary

**Flood hazard**

- Below 0.575 not shown
- 0.575 to 0.75 - Caution
- 0.75 to 1.25 - danger for some
- 1.25 to 2.00 - danger for most
- Above 2.00 - danger for all



<b>HOTSPOT 7 - FLOOD HAZARD (1 IN 5 YEAR)</b>									
<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>							<b>PARSONS BRINCKERHOFF</b>		
DRAWN BY	CHECKED BY	APPROVED BY	STATUS	DATE	SCALE	DRAWING NO.	REV.		
IB	AS	B	FI	24/08/16	NTS	6808-Q-H7-Z-Q0005	A		

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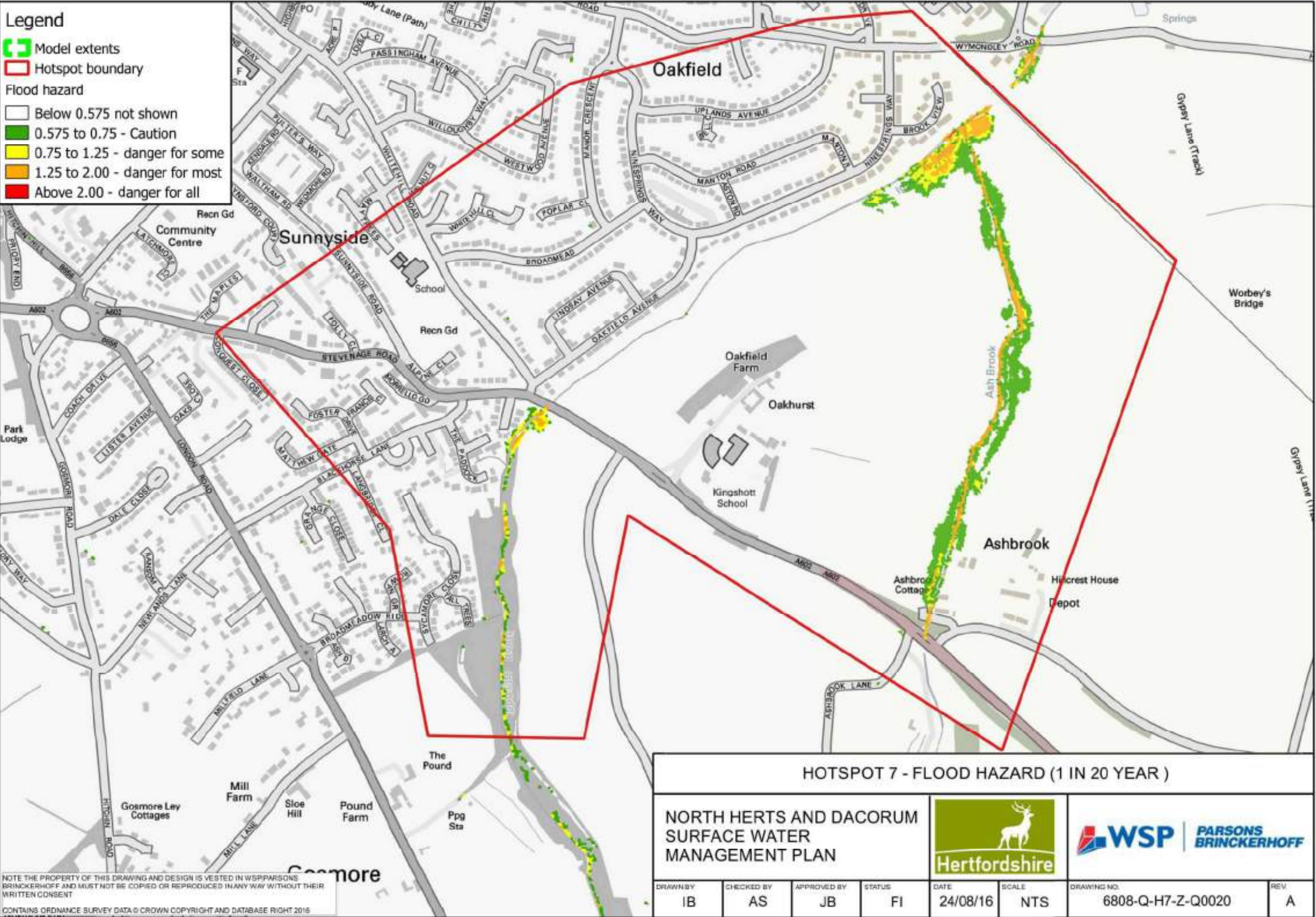


**Legend**

-  Model extents
-  Hotspot boundary

**Flood hazard**

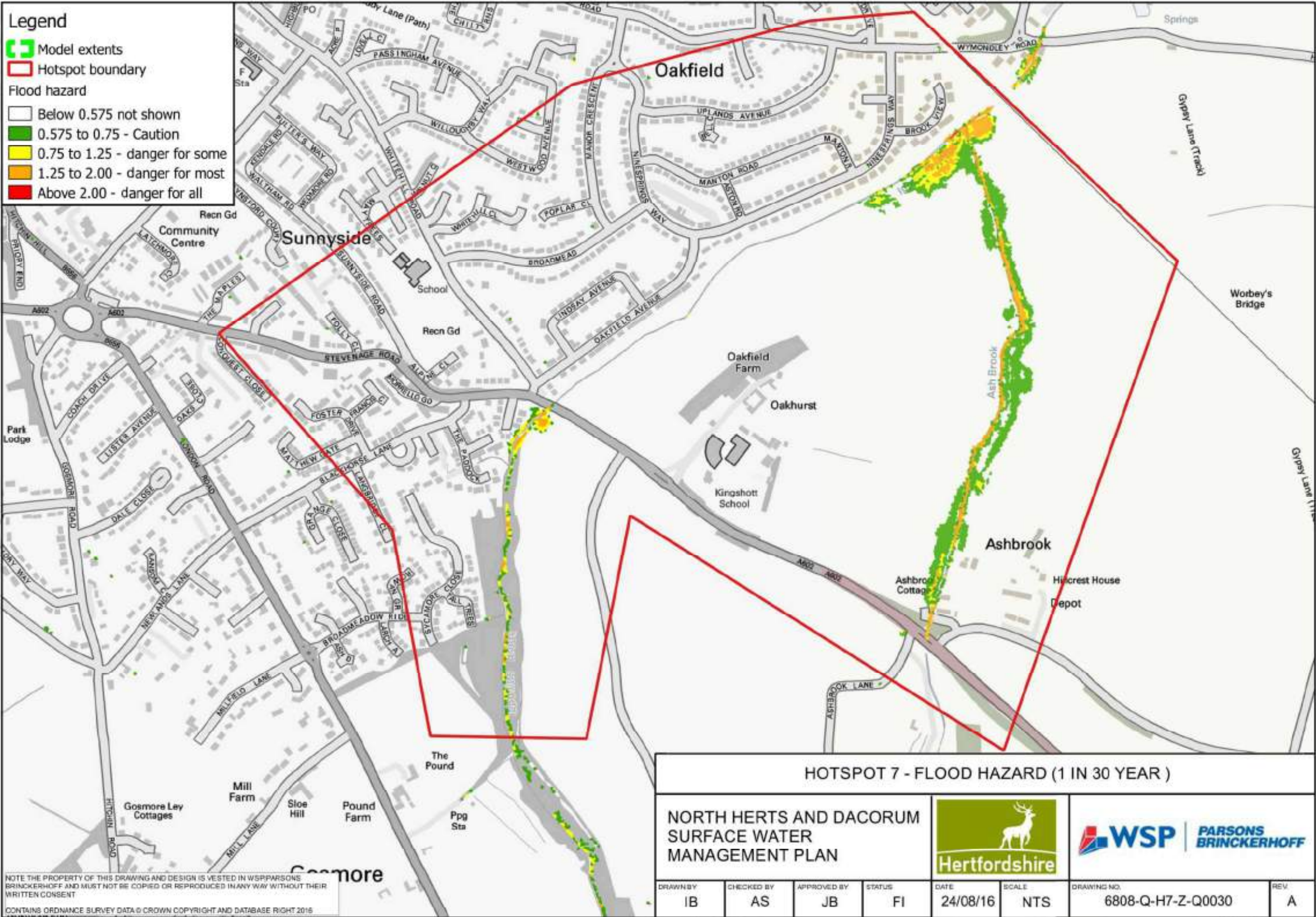
-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - danger for some
-  1.25 to 2.00 - danger for most
-  Above 2.00 - danger for all



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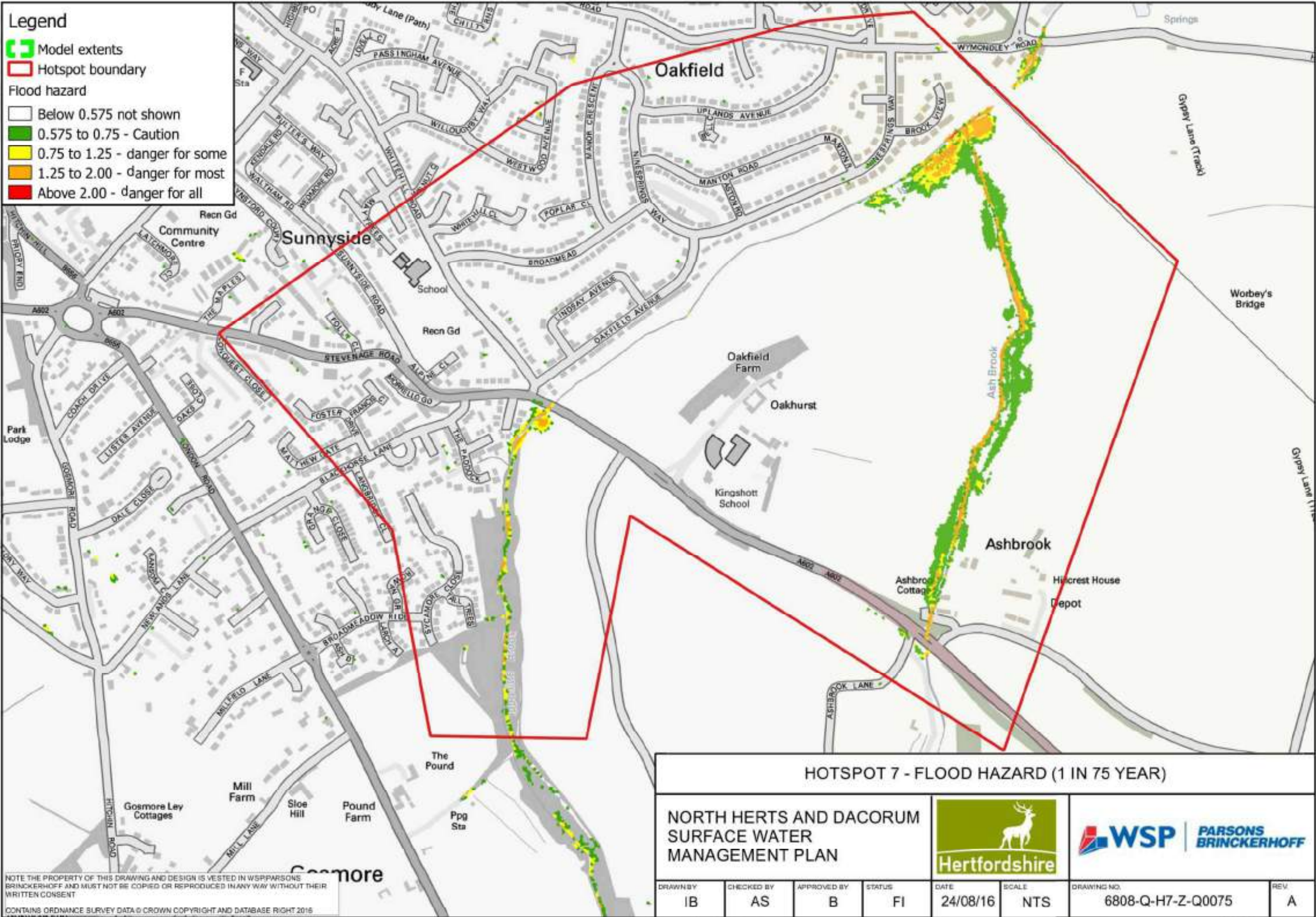




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**Legend**

- Model extents
- Hotspot boundary

**Flood hazard**

- Below 0.575 not shown
- 0.575 to 0.75 - Caution
- 0.75 to 1.25 - danger for some
- 1.25 to 2.00 - danger for most
- Above 2.00 - danger for all

**HOTSPOT 7 - FLOOD HAZARD (1 IN 75 YEAR)**

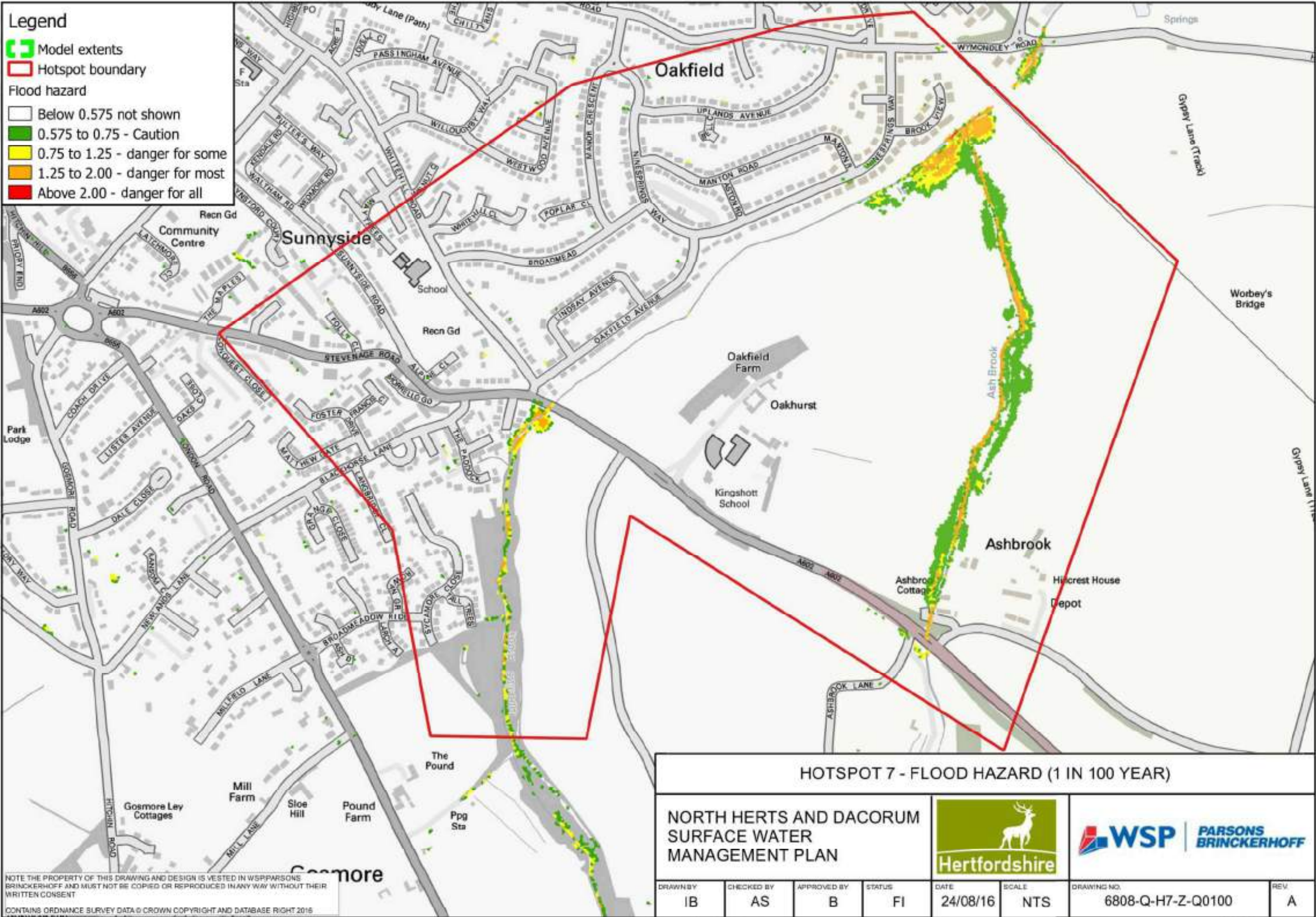
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extents
- Hotspot boundary

**Flood hazard**

- Below 0.575 not shown
- 0.575 to 0.75 - Caution
- 0.75 to 1.25 - danger for some
- 1.25 to 2.00 - danger for most
- Above 2.00 - danger for all

**HOTSPOT 7 - FLOOD HAZARD (1 IN 100 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extents
- Hotspot boundary

**Flood hazard**

- Below 0.575 not shown
- 0.575 to 0.75 - Caution
- 0.75 to 1.25 - Danger for some
- 1.25 to 2.00 - Danger for most
- Above 2.00 - Danger for all



**HOTSPOT 7 - FLOOD HAZARD (1 IN 100CC YEAR 40%)**

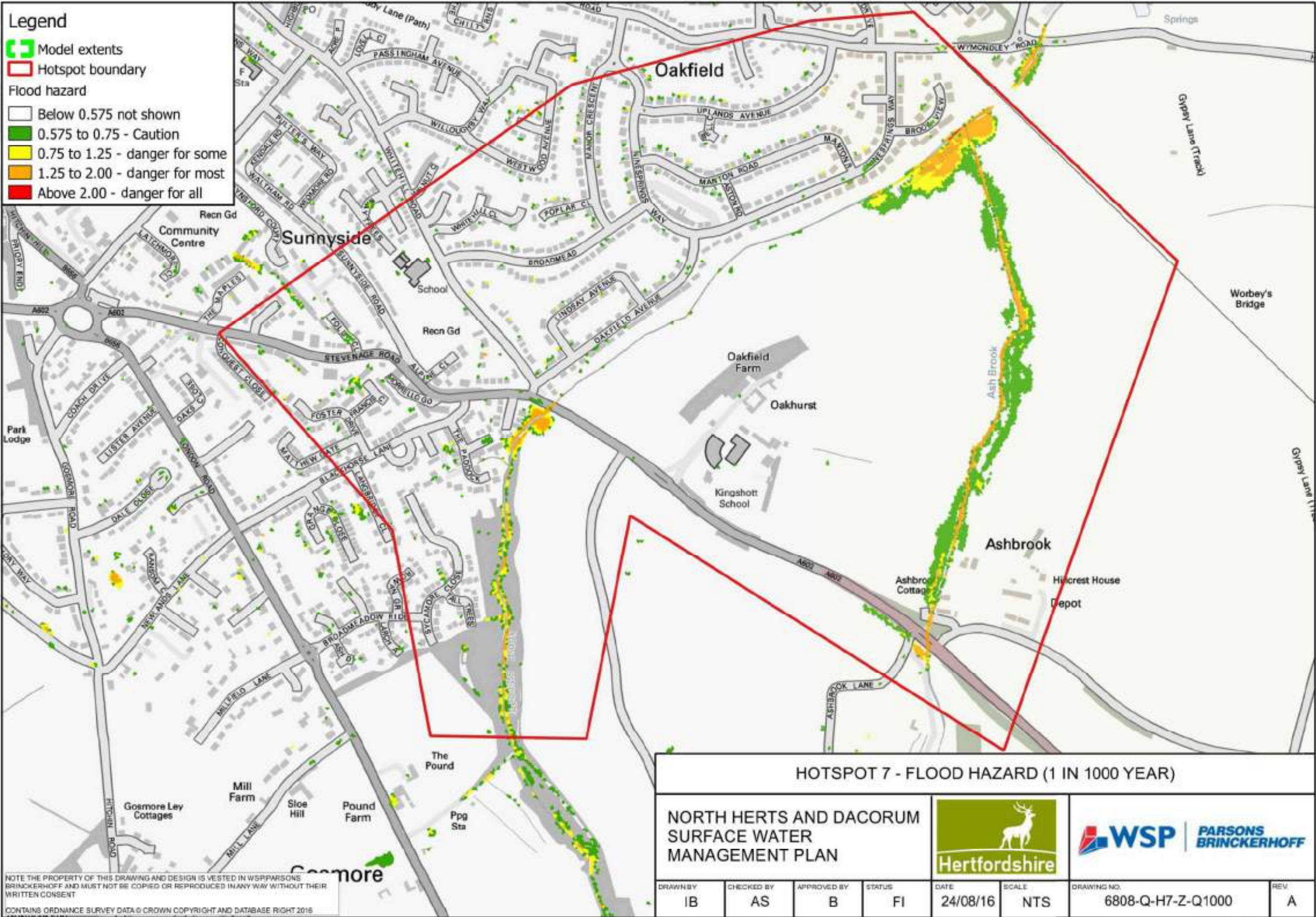
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extents
- Hotspot boundary

**Flood hazard**

- Below 0.575 not shown
- 0.575 to 0.75 - Caution
- 0.75 to 1.25 - danger for some
- 1.25 to 2.00 - danger for most
- Above 2.00 - danger for all

**HOTSPOT 7 - FLOOD HAZARD (1 IN 1000 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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**Legend**


 Model extent


 Hotspot boundary


Flood extents for each return period


 1 in 5 year flood extent

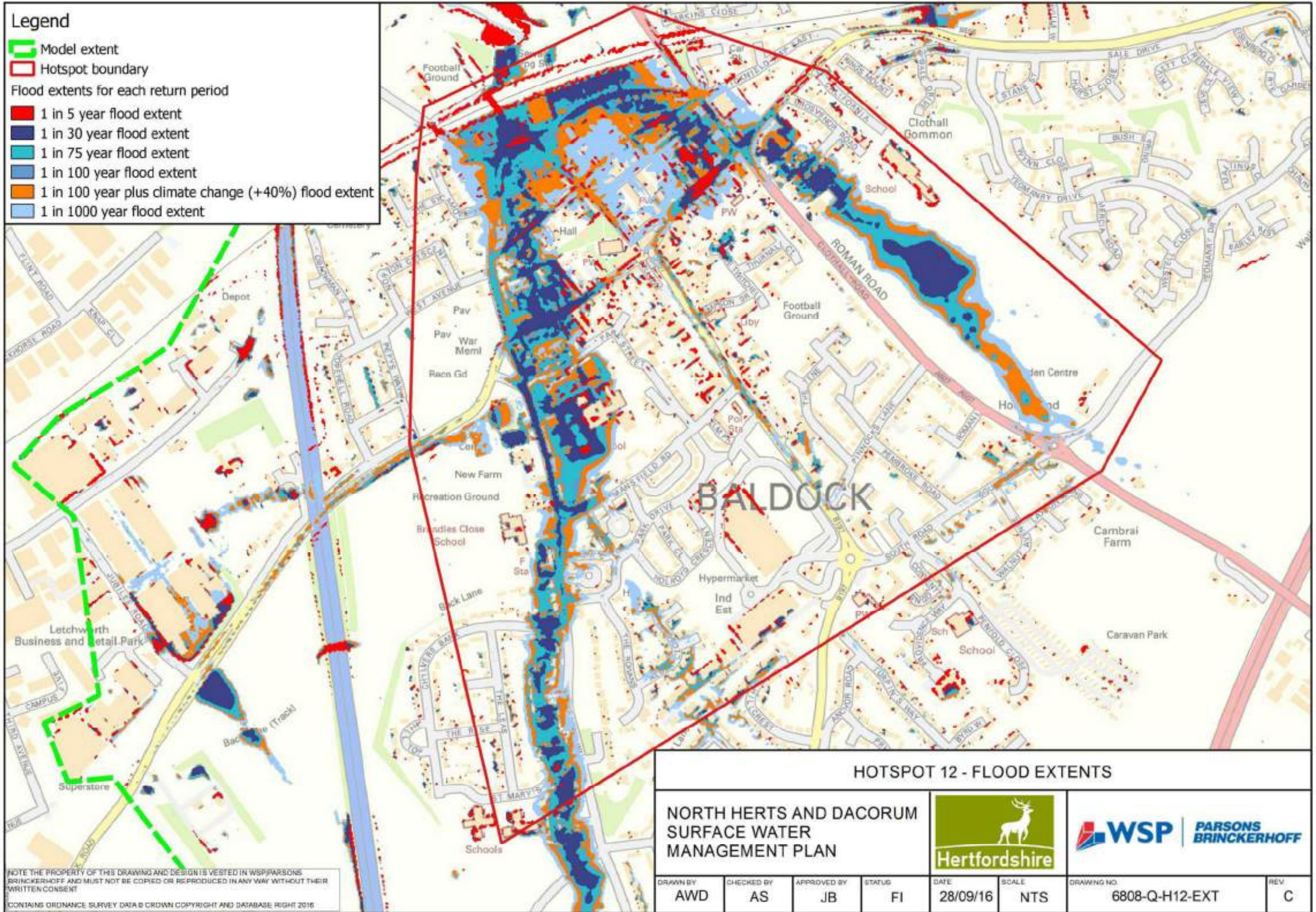
 1 in 30 year flood extent

 1 in 75 year flood extent

 1 in 100 year flood extent

 1 in 100 year plus climate change (+40%) flood extent

 1 in 1000 year flood extent



**HOTSPOT 12 - FLOOD EXTENTS**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

-  Model extent
-  Hotspot boundary
- Flood depths**
-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**BALDOCK**

**HOTSPOT 12 - FLOOD DEPTHS (1 IN 5 YEAR)**

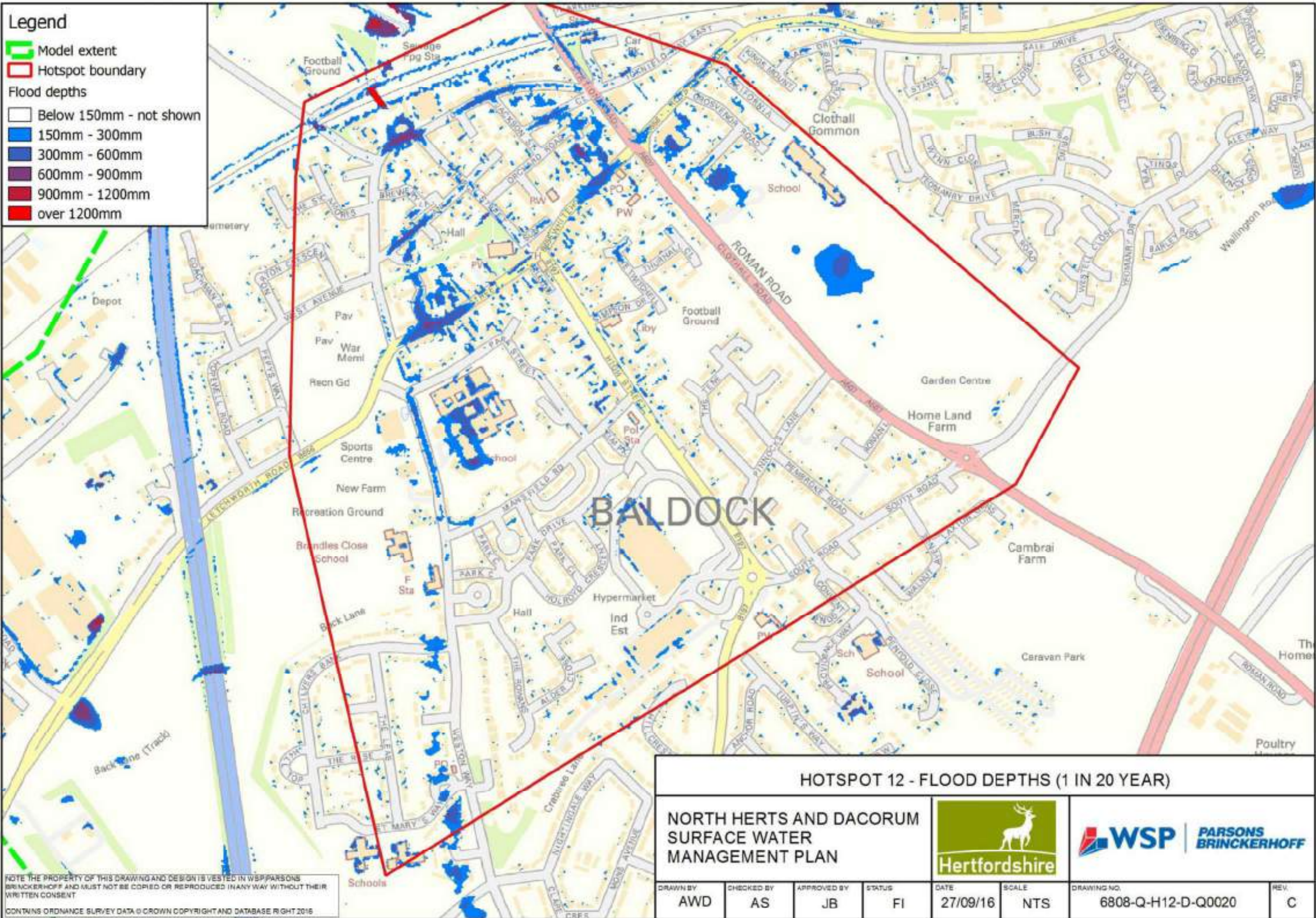
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extent
- Hotspot boundary

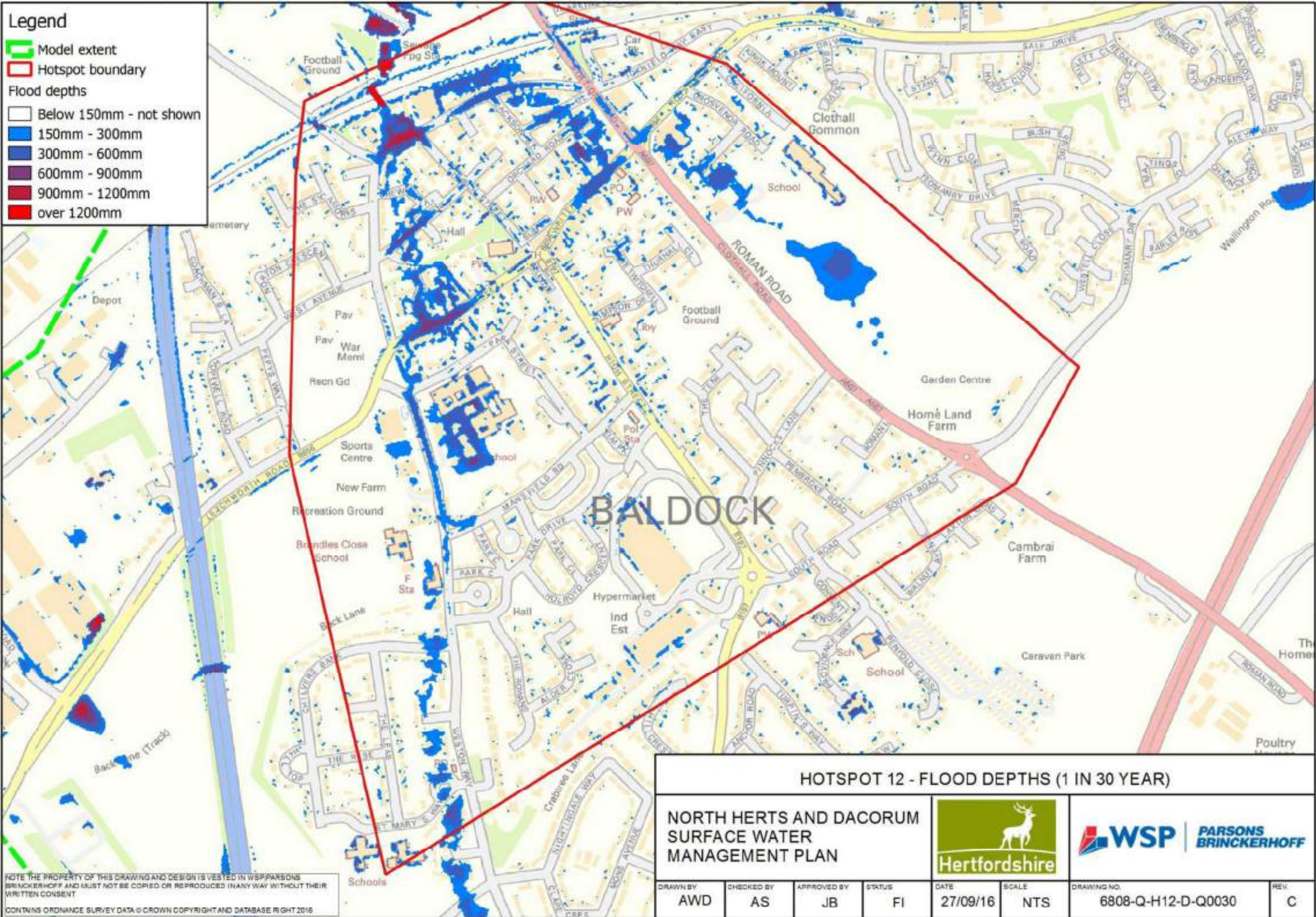
**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

<b>HOTSPOT 12 - FLOOD DEPTHS (1 IN 20 YEAR)</b>					
<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>					
DRAWN BY	CHECKED BY	APPROVED BY	STATUS	DATE	SCALE
AWD	AS	JB	FI	27/09/16	NTS
DRAWING NO.				REV.	
6808-Q-H12-D-Q0020				C	

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**Legend**

- Model extent
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm


<b>HOTSPOT 12 - FLOOD DEPTHS (1 IN 30 YEAR)</b>					
<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>					
DRAWN BY	CHECKED BY	APPROVED BY	STATUS	DATE	SCALE
AWD	AS	JB	FI	27/09/16	NTS
DRAWING NO.				REV.	
6808-Q-H12-D-Q0030				C	

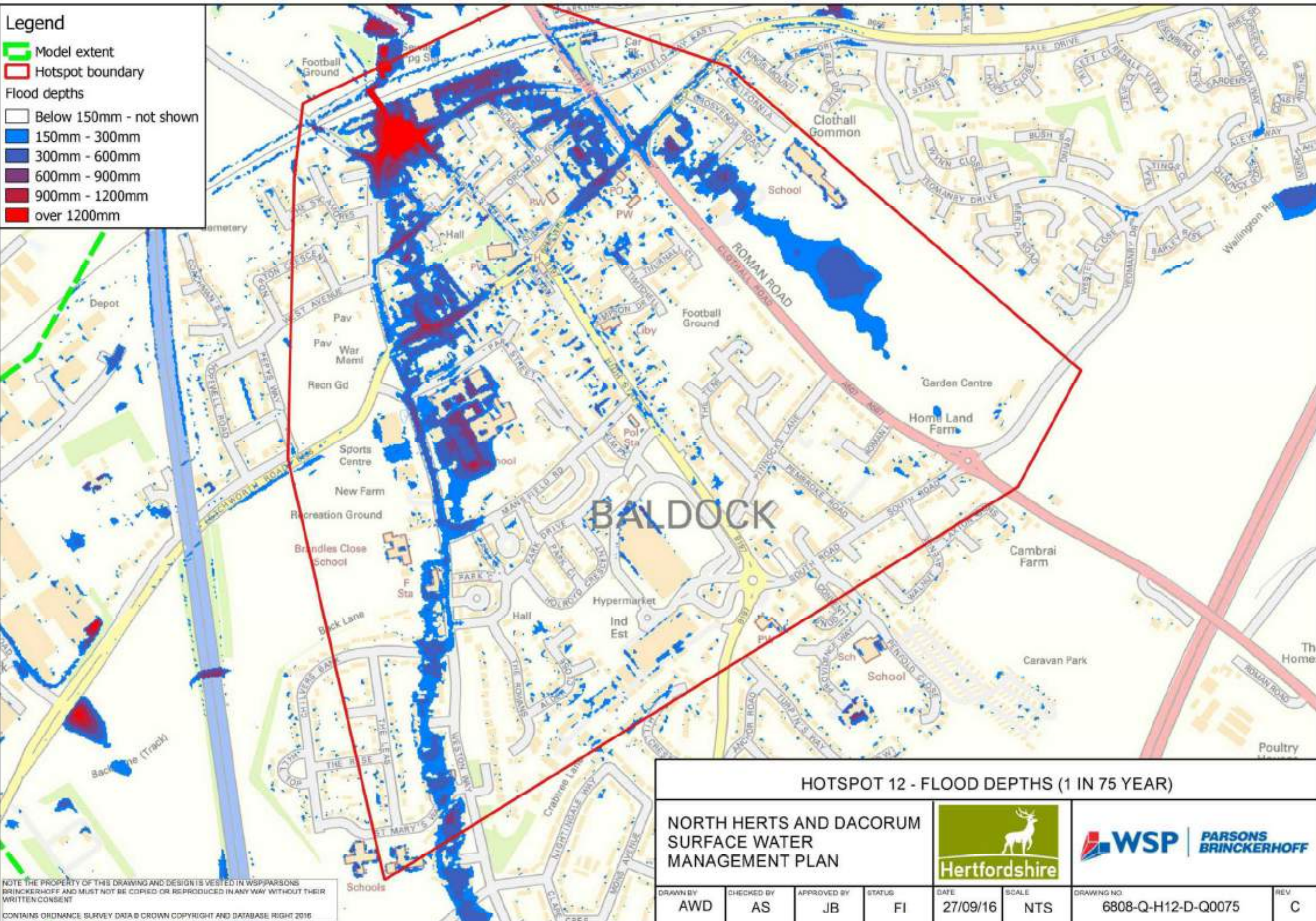
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**Legend**

-  Model extent
-  Hotspot boundary
- Flood depths**
-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**BALDOCK**

**HOTSPOT 12 - FLOOD DEPTHS (1 IN 75 YEAR)**

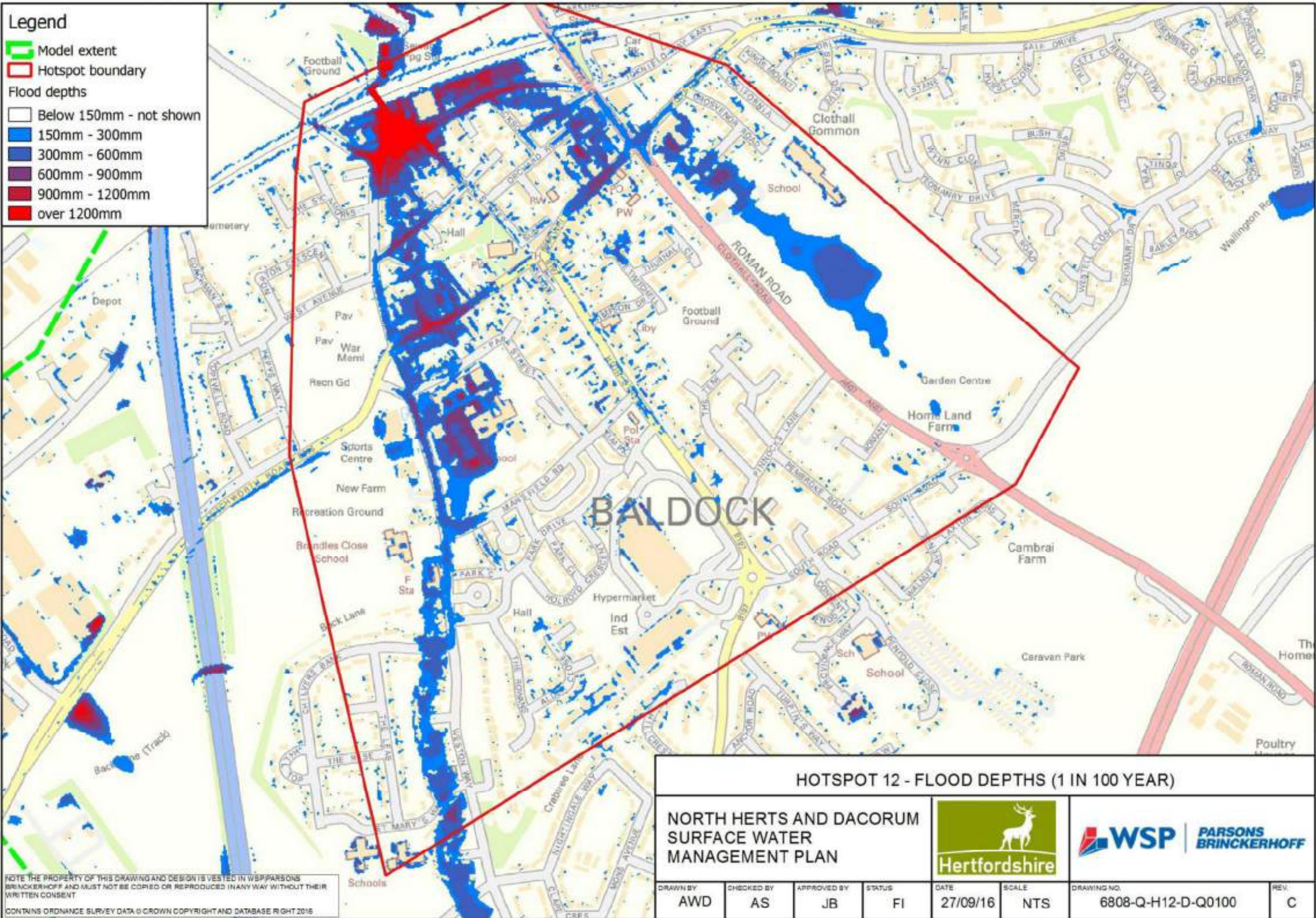
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- █ Model extent
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

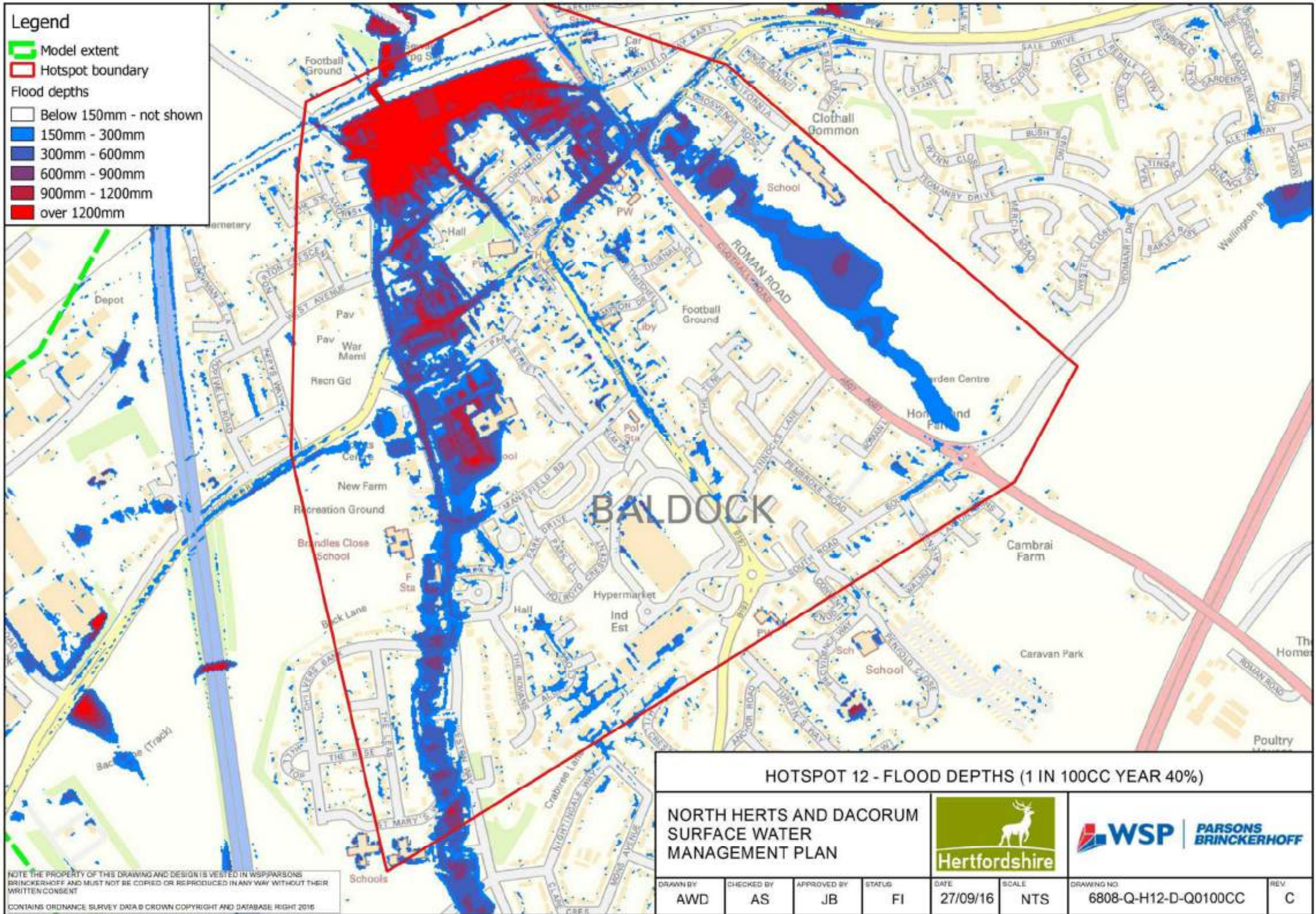
<b>HOTSPOT 12 - FLOOD DEPTHS (1 IN 100 YEAR)</b>					
<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>					
DRAWN BY	CHECKED BY	APPROVED BY	STATUS	DATE	SCALE
AWD	AS	JB	FI	27/09/16	NTS
DRAWING NO.				REV.	
6808-Q-H12-D-Q0100				C	

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**Legend**

-  Model extent
-  Hotspot boundary
- Flood depths**
-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 12 - FLOOD DEPTHS (1 IN 100CC YEAR 40%)**

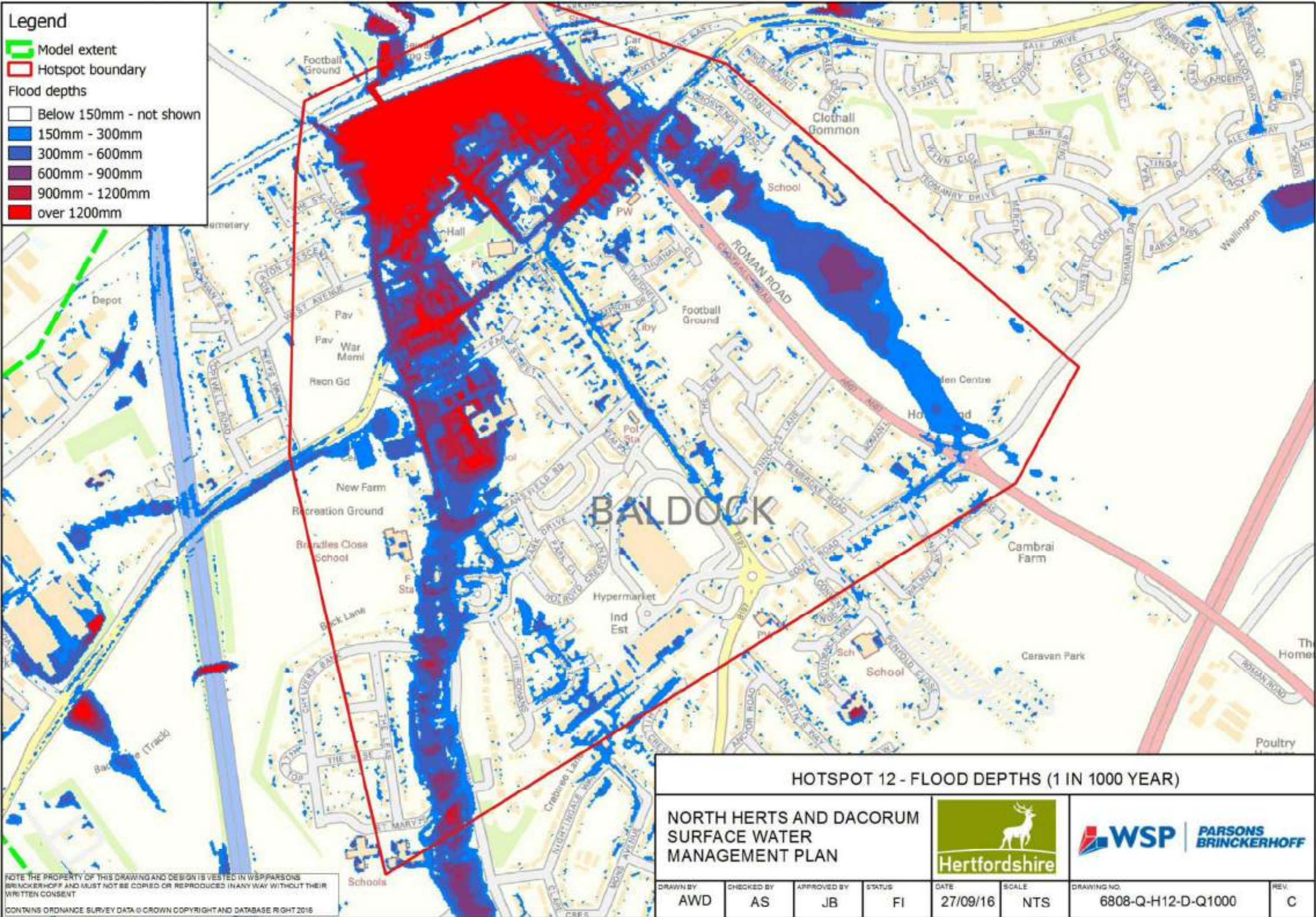
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extent
- Hotspot boundary

**Flood depths**



- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

<b>HOTSPOT 12 - FLOOD DEPTHS (1 IN 1000 YEAR)</b>									
<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>							 		
DRAWN BY	CHECKED BY	APPROVED BY	STATUS	DATE	SCALE	DRAWING NO.	REV.		
AWD	AS	JB	FI	27/09/16	NTS	6808-Q-H12-D-Q1000	C		


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**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  0 - not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 12 - FLOOD VELOCITIES (1 IN 5 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





DRAWN BY <b>AWD</b>	CHECKED BY <b>AS</b>	APPROVED BY <b>JB</b>	STATUS <b>FI</b>	DATE <b>28/09/16</b>	SCALE <b>NTS</b>	DRAWING NO. <b>6808-Q-H12-V-Q0005</b>	REV <b>C</b>
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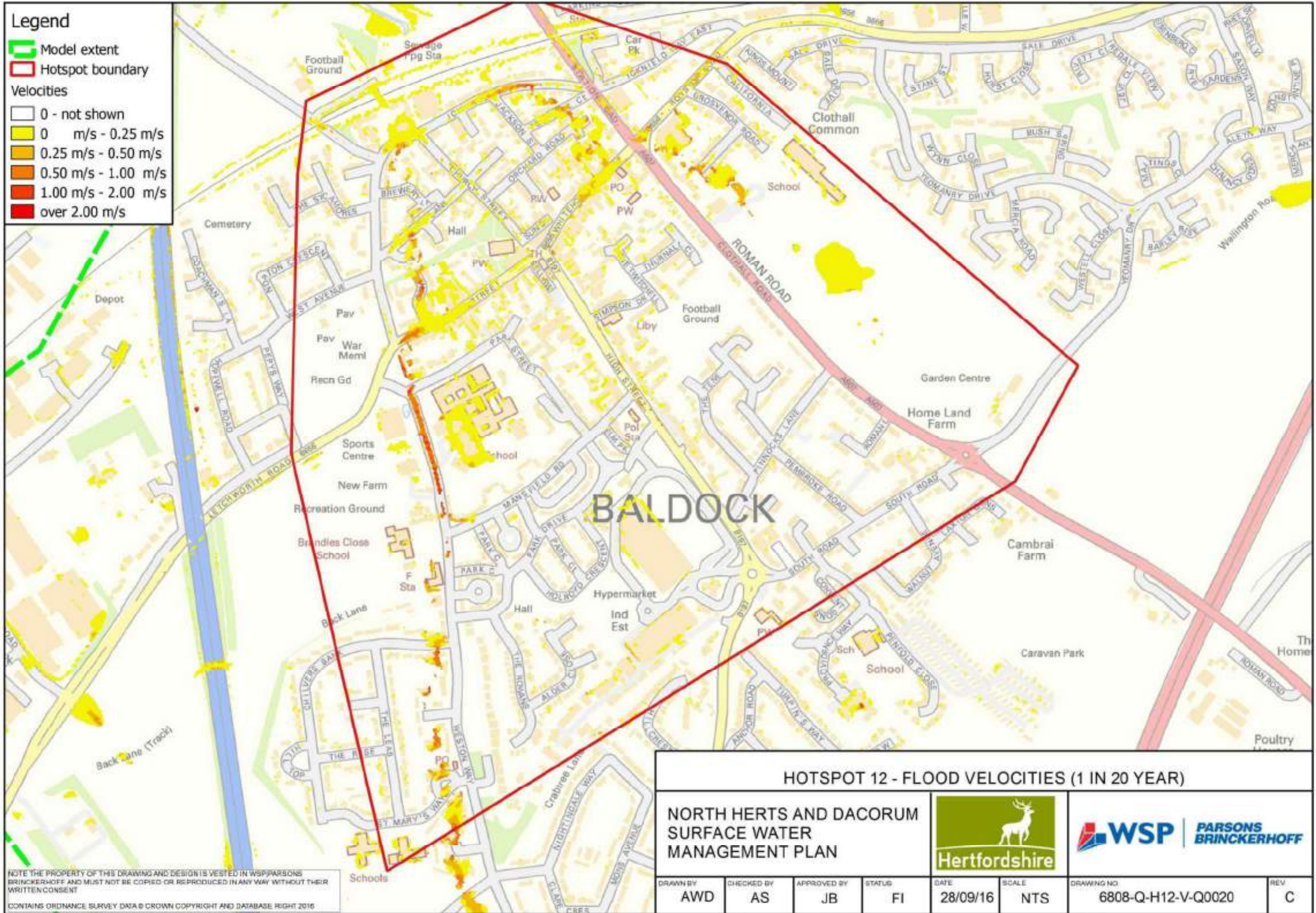


**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  0 - not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 12 - FLOOD VELOCITIES (1 IN 20 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





DRAWN BY <b>AWD</b>	CHECKED BY <b>AS</b>	APPROVED BY <b>JB</b>	STATUS <b>FI</b>	DATE <b>28/09/16</b>	SCALE <b>NTS</b>	DRAWING NO. <b>6808-Q-H12-V-Q0020</b>	REV <b>C</b>
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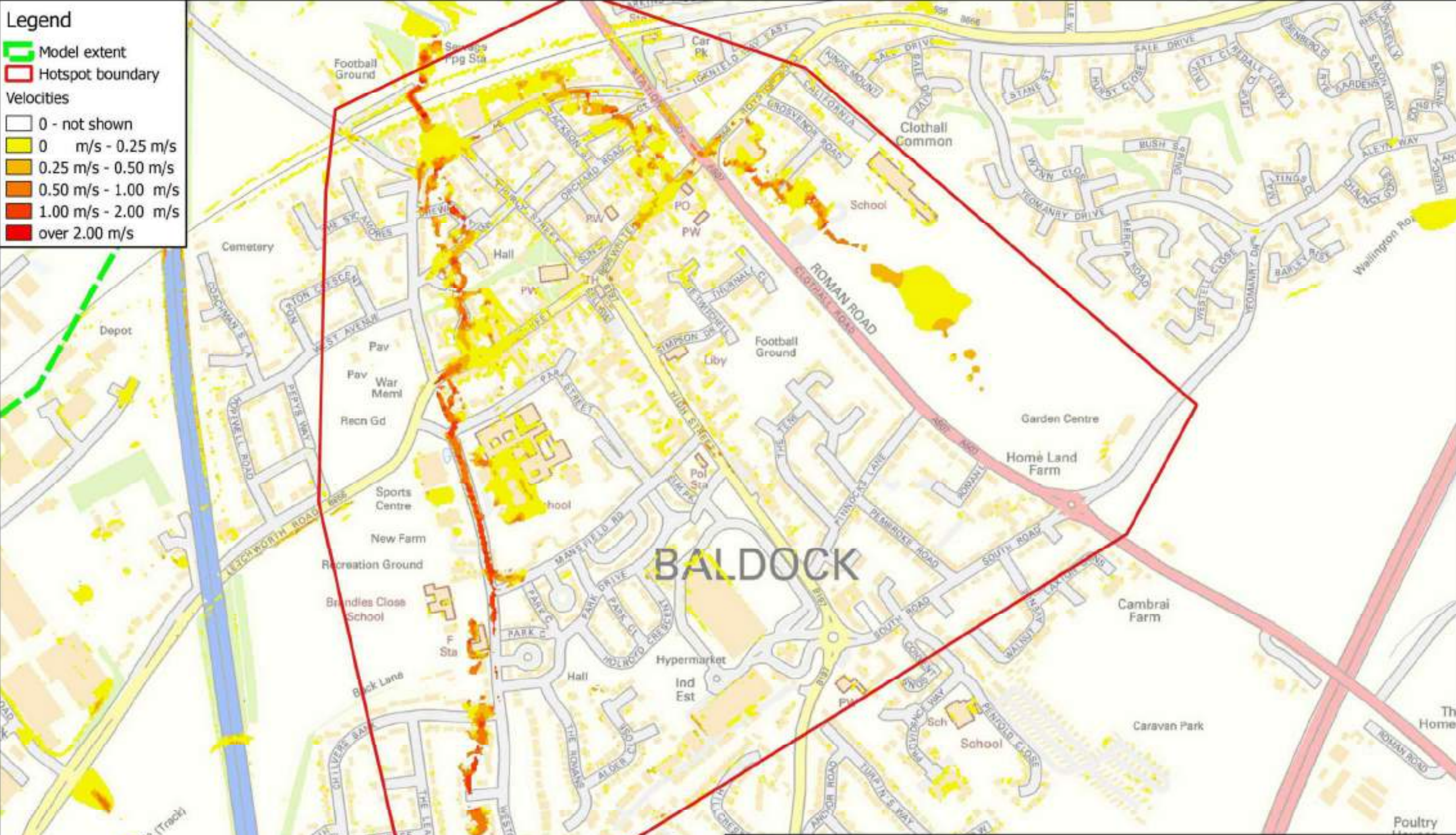


**Legend**




-  Model extent
-  Hotspot boundary

**Velocities**

-  0 - not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s





**HOTSPOT 12 - FLOOD VELOCITIES (1 IN 30 YEAR)**

<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>						 	
DRAWN BY <b>AWD</b>	CHECKED BY <b>AS</b>	APPROVED BY <b>JB</b>	STATUS <b>FI</b>	DATE <b>28/09/16</b>	SCALE <b>NTS</b>	DRAWING NO. <b>6808-Q-H12-V-Q0030</b>	REV <b>C</b>

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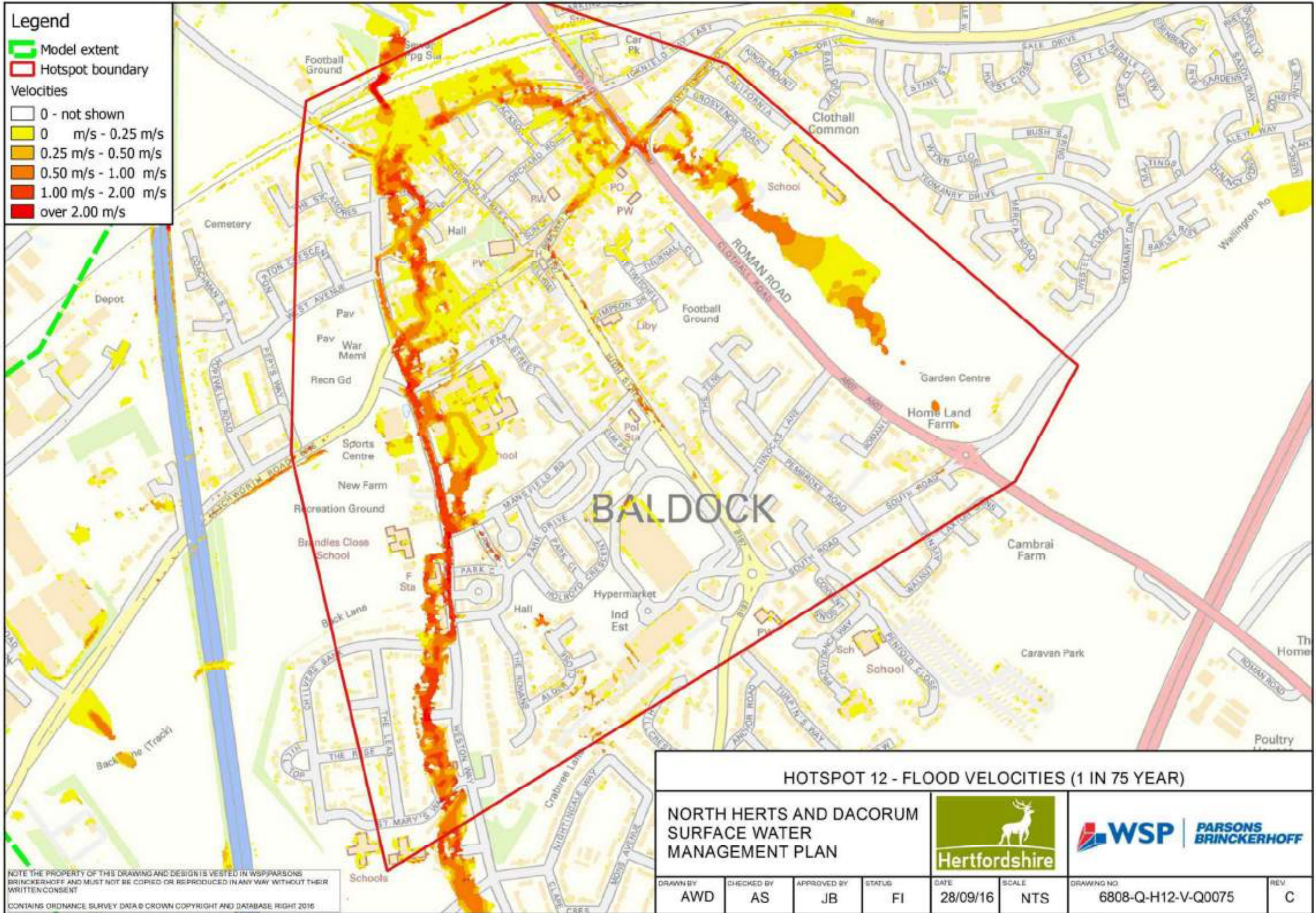


**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  0 - not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 12 - FLOOD VELOCITIES (1 IN 75 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





DRAWN BY <b>AWD</b>	CHECKED BY <b>AS</b>	APPROVED BY <b>JB</b>	STATUS <b>FI</b>	DATE <b>28/09/16</b>	SCALE <b>NTS</b>	DRAWING NO. <b>6808-Q-H12-V-Q0075</b>	REV <b>C</b>
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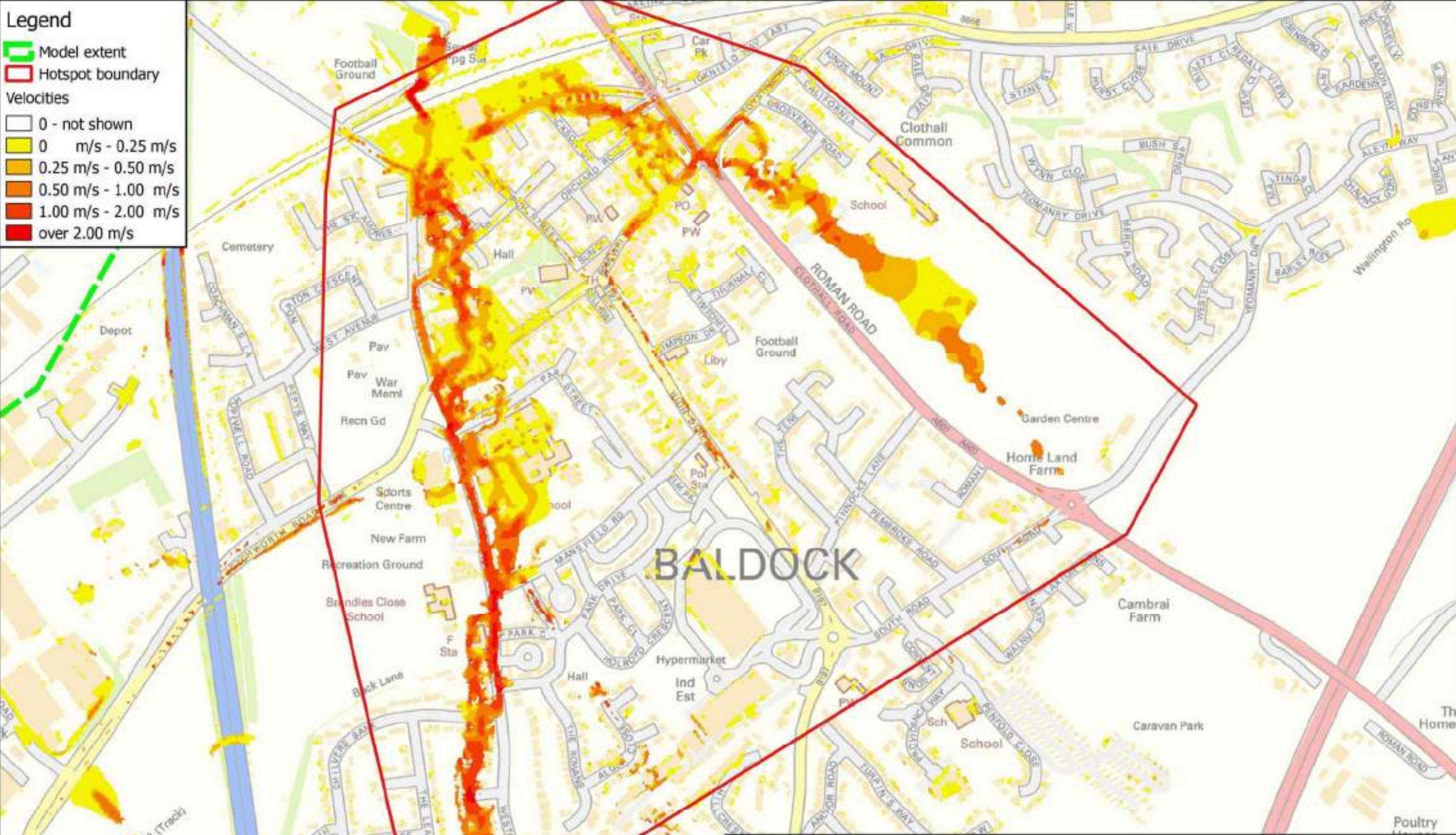


**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  0 - not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 12 - FLOOD VELOCITIES (1 IN 100 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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DRAWN BY <b>AWD</b>	CHECKED BY <b>AS</b>	APPROVED BY <b>JB</b>	STATUS <b>FI</b>	DATE <b>28/09/16</b>	SCALE <b>NTS</b>	DRAWING NO. <b>6808-Q-H12-V-Q0100</b>	REV <b>C</b>
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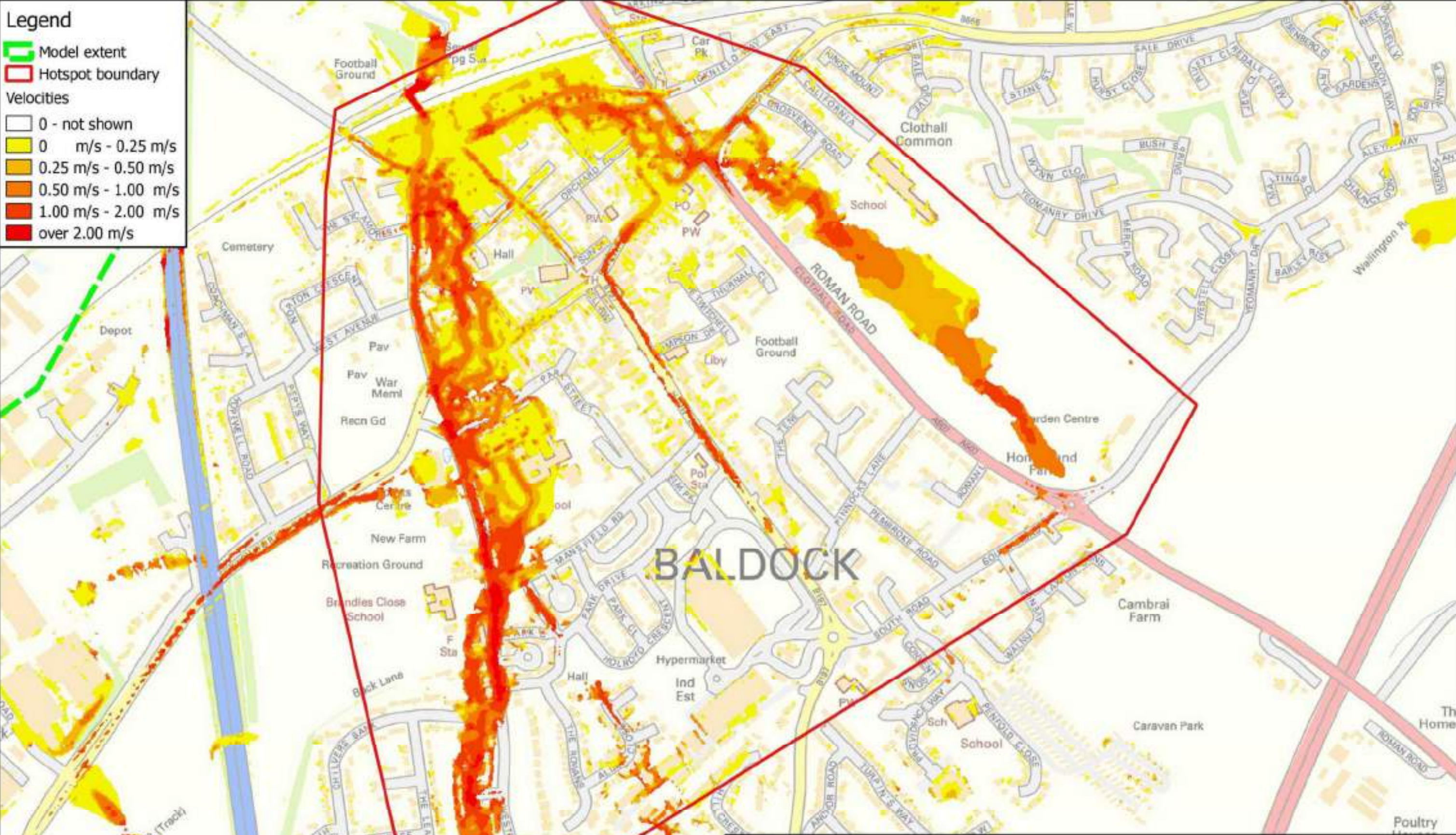


**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  0 - not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



# BALDOCK

## HOTSPOT 12 - FLOOD VELOCITIES (1 IN 100CC YEAR 40%)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN



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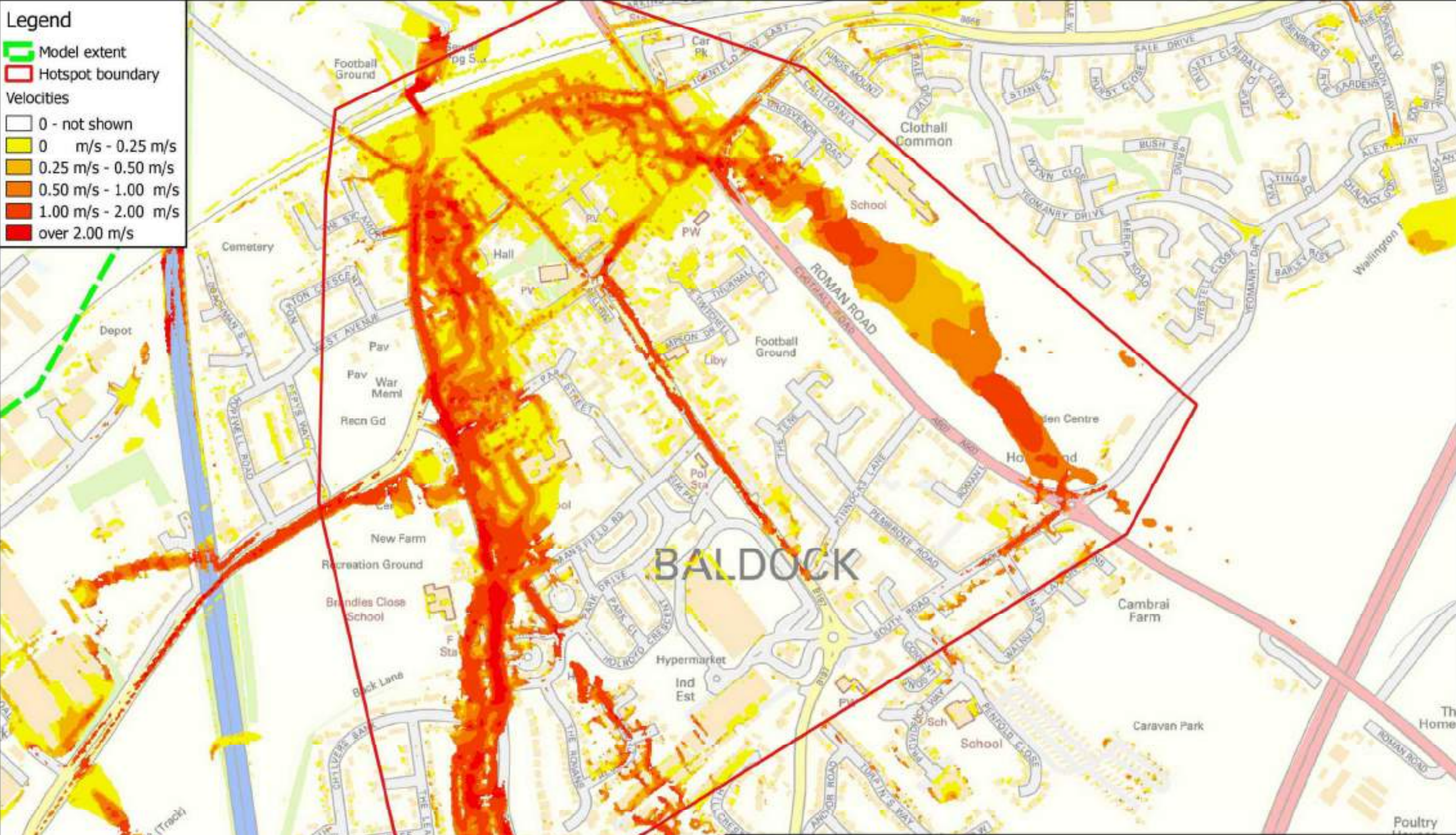


**Legend**

- Model extent
- Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s



BALDOCK

HOTSPOT 12 - FLOOD VELOCITIES (1 IN 1000 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN




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DRAWN BY AWD	CHECKED BY AS	APPROVED BY JB	STATUS FI	DATE 28/09/16	SCALE NTS	DRAWING NO. 6808-Q-H12-V-Q1000	REV C
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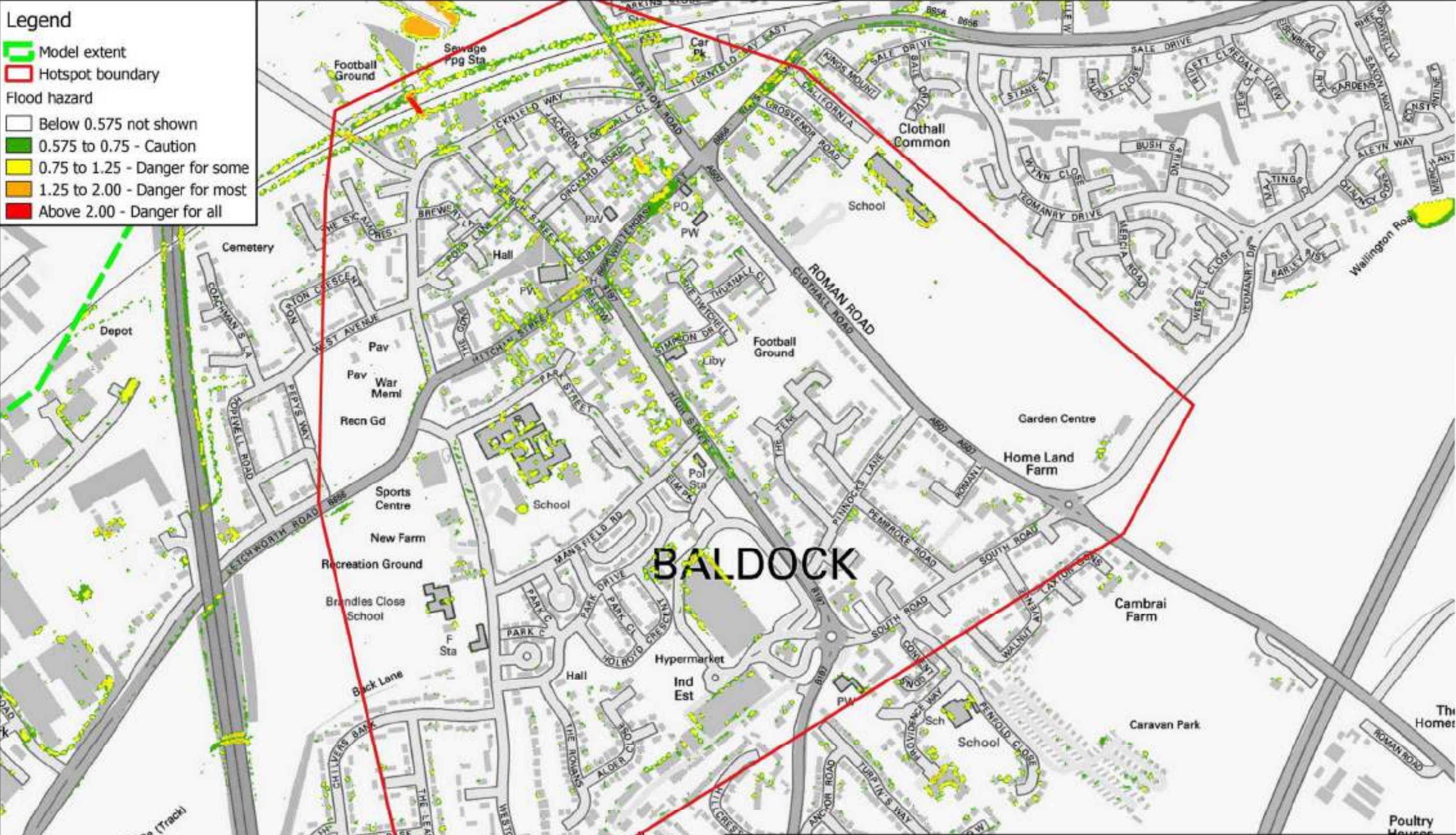


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



# BALDOCK

## HOTSPOT 12 - FLOOD HAZARD (1 IN 5 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN




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DRAWN BY AWC	CHECKED BY AS	APPROVED BY JB	STATUS FI	DATE 28/09/16	SCALE NTS	DRAWING NO. 6808-Q-H12-Z-Q0005	REV. C
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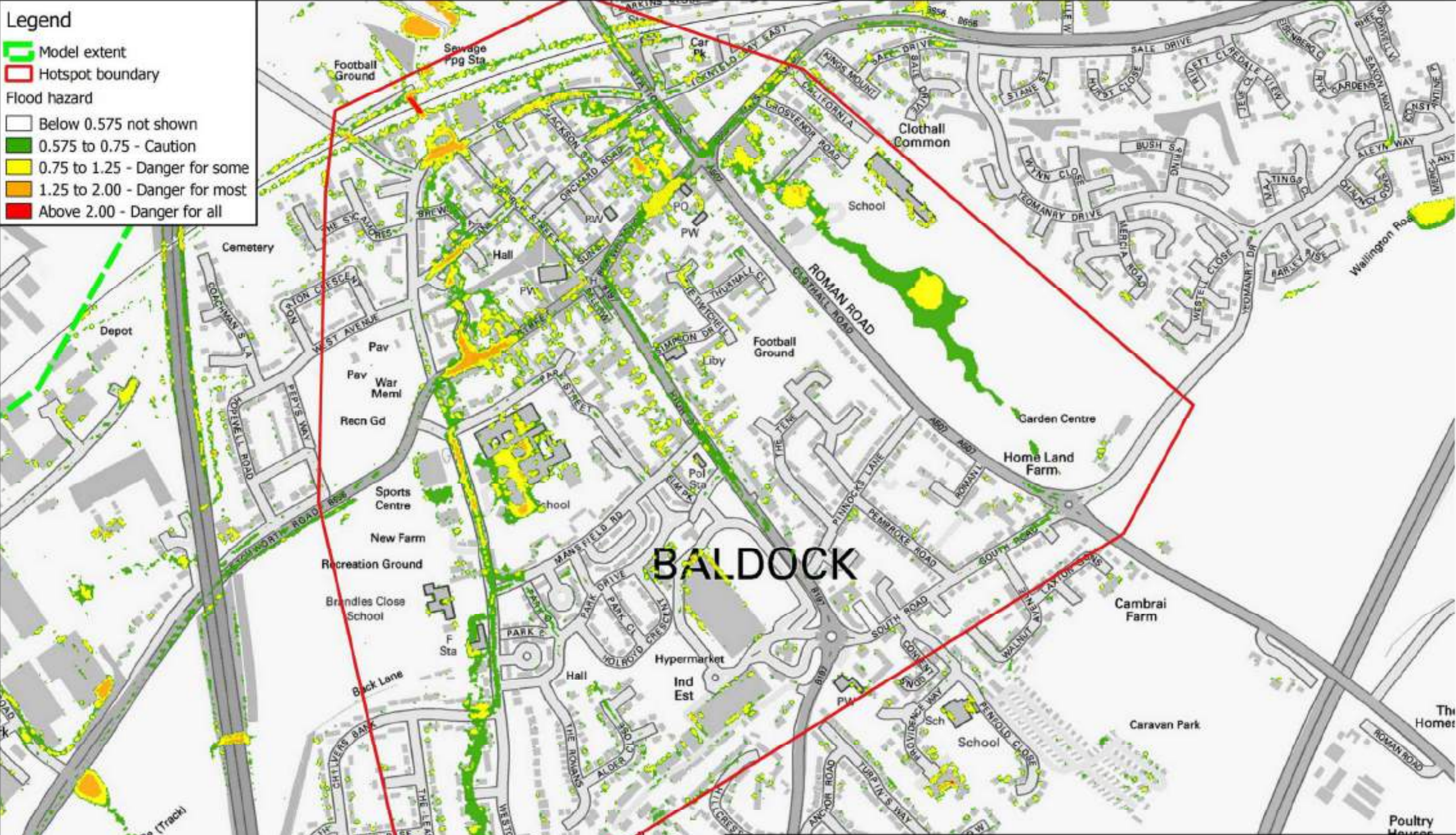


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 12 - FLOOD HAZARD (1 IN 20 YEAR)**

<p><b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b></p>				
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DRAWN BY AWC	CHECKED BY AS	APPROVED BY JB	STATUS FI	DATE 28/09/16	SCALE NTS	DRAWING NO. 6808-Q-H12-Z-Q0020	REV. C
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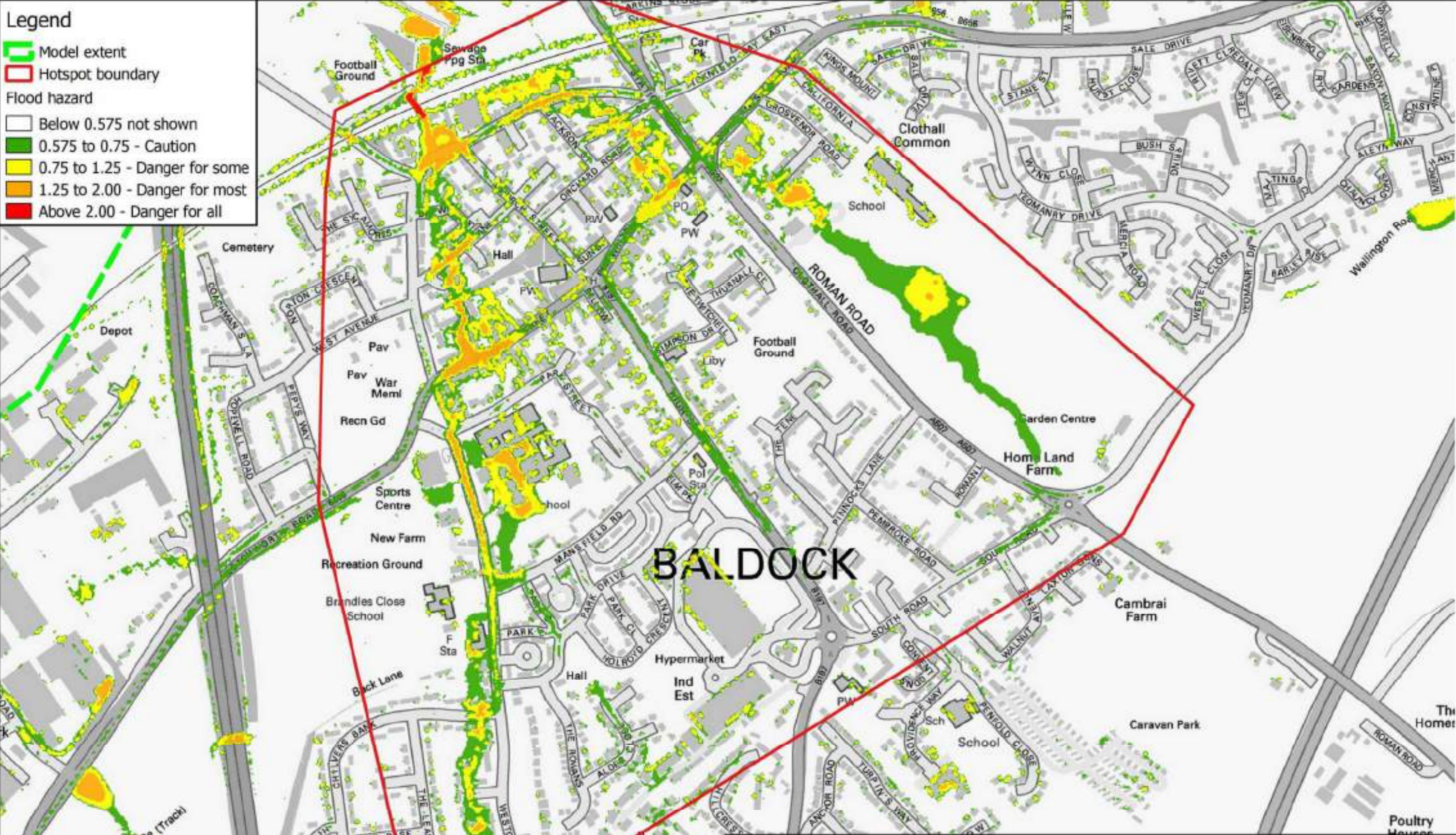


**Legend**




-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 12 - FLOOD HAZARD (1 IN 30 YEAR)**

<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>					 		
DRAWN BY	CHECKED BY	APPROVED BY	STATUS	DATE	SCALE	DRAWING NO.	REV.
AWC	AS	JB	FI	28/09/16	NTS	6808-Q-H12-Z-Q0030	C

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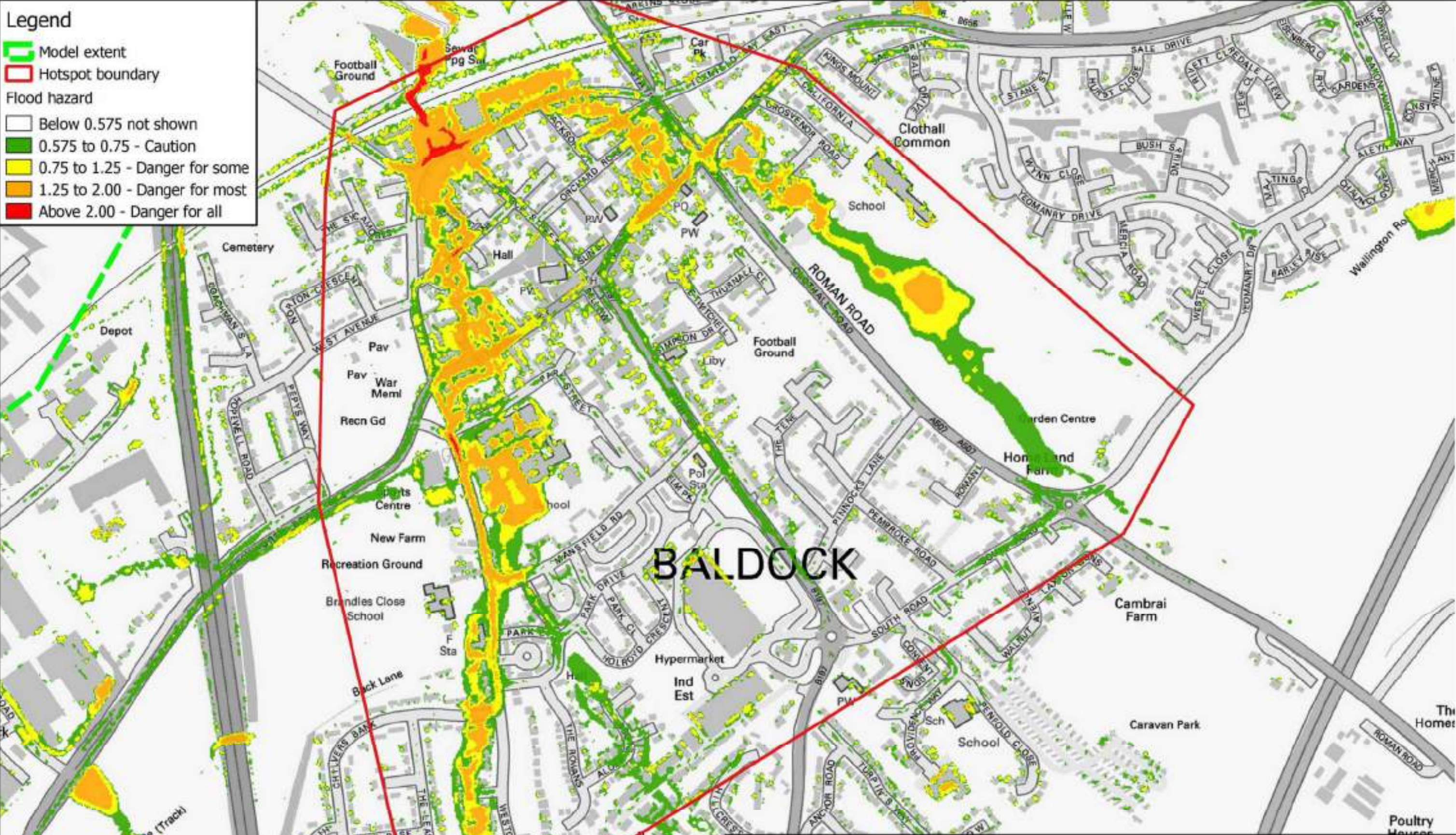


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



# BALDOCK

## HOTSPOT 12 - FLOOD HAZARD (1 IN 75 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN





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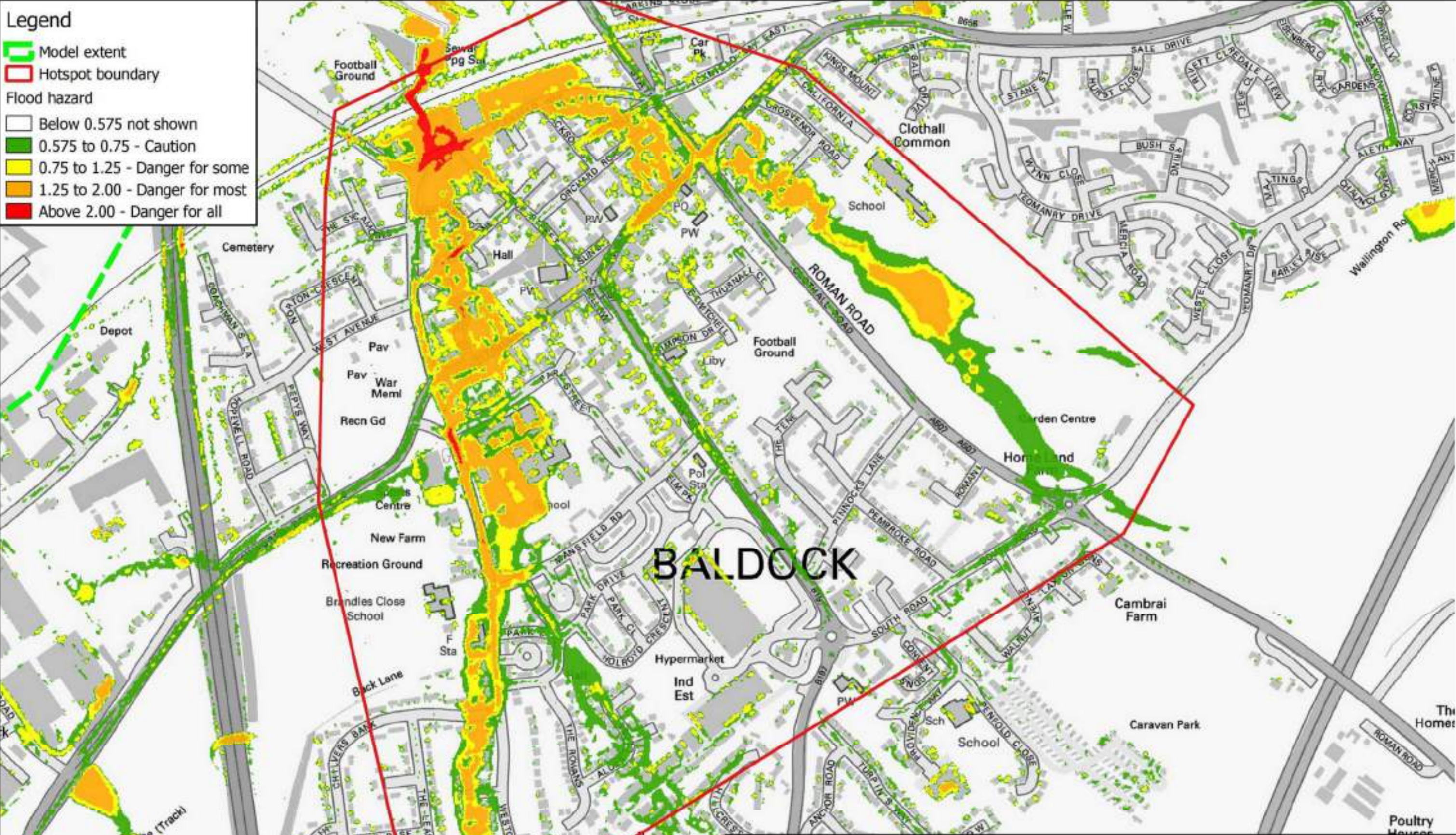


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



# BALDOCK

## HOTSPOT 12 - FLOOD HAZARD (1 IN 100 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN



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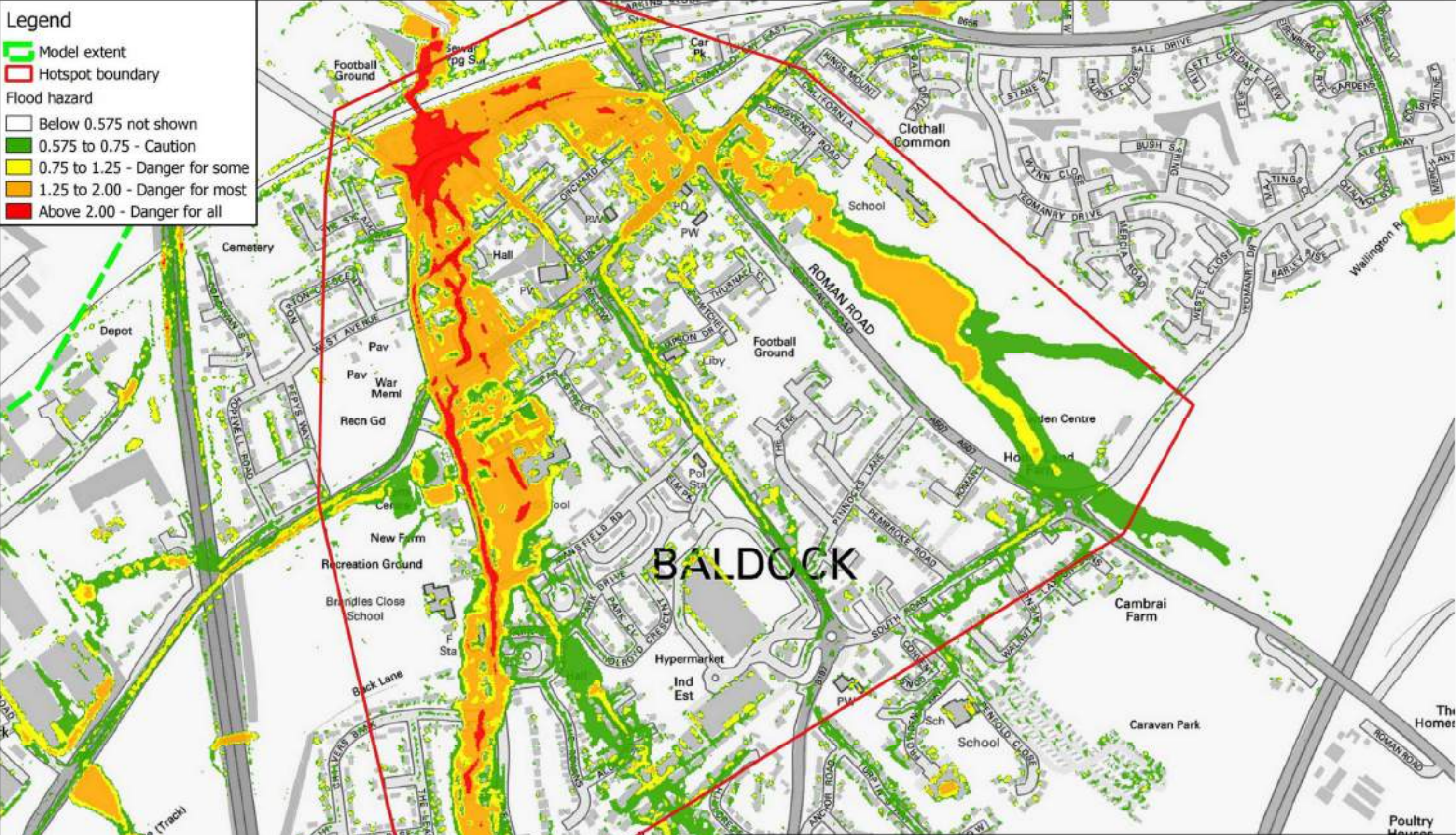


**Legend**

- Model extent
- Hotspot boundary

**Flood hazard**

- Below 0.575 not shown
- 0.575 to 0.75 - Caution
- 0.75 to 1.25 - Danger for some
- 1.25 to 2.00 - Danger for most
- Above 2.00 - Danger for all



# BALDOCK

## HOTSPOT 12 - FLOOD HAZARD (1 IN 100CC YEAR 40%)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN




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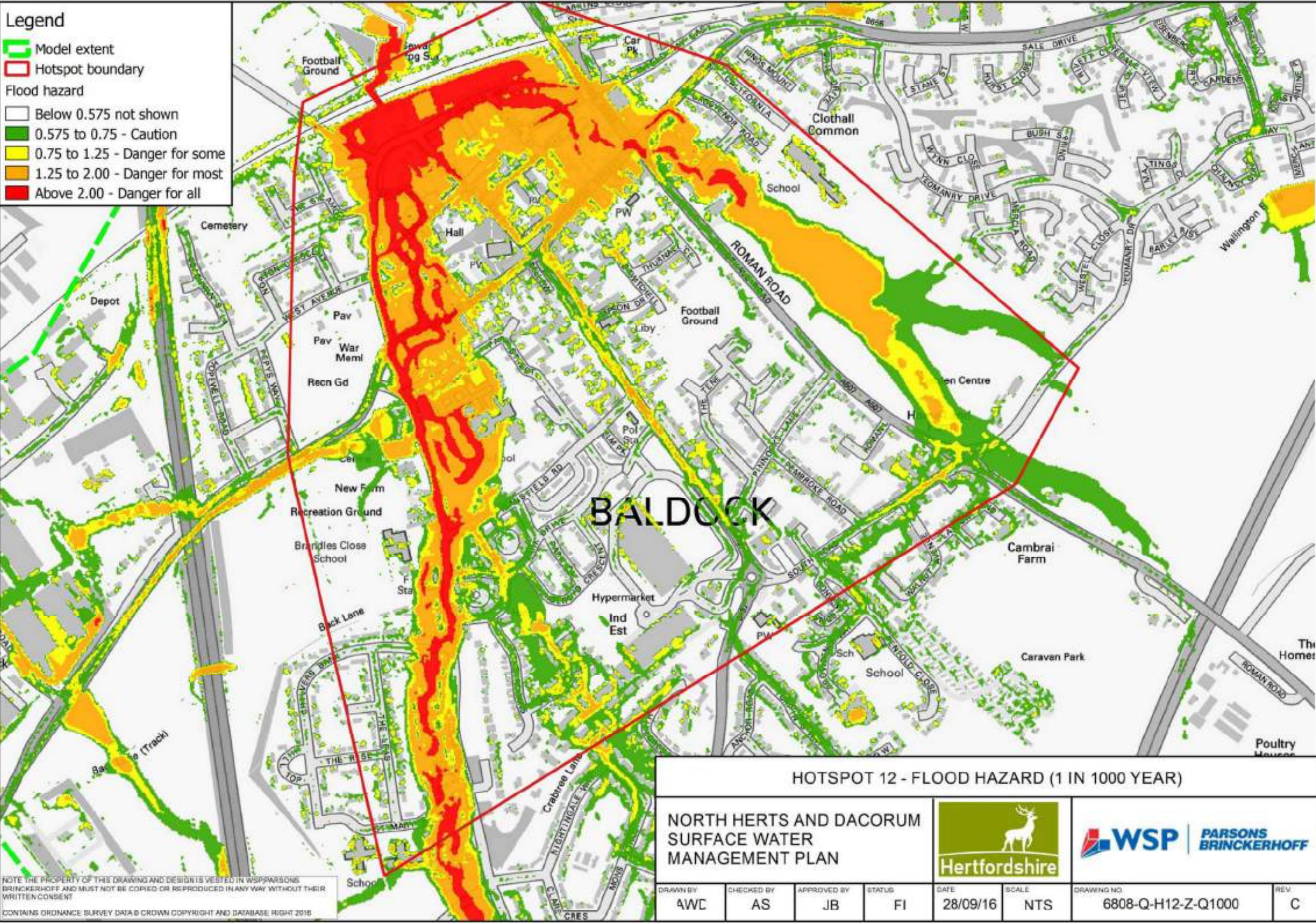


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all











**HOTSPOT 12 - FLOOD HAZARD (1 IN 1000 YEAR)**

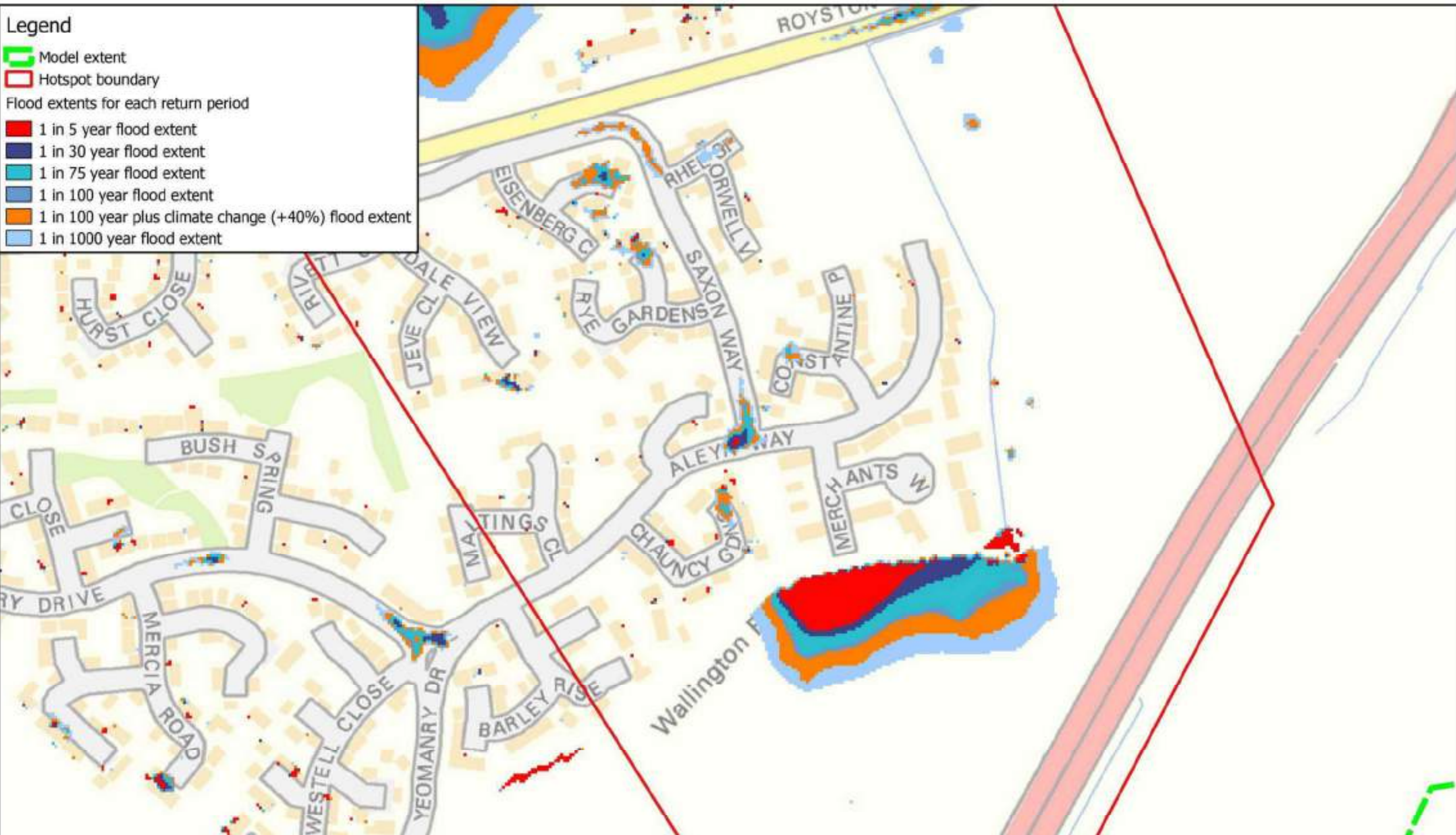
<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>						 	
DRAWN BY	CHECKED BY	APPROVED BY	STATUS	DATE	SCALE	DRAWING NO.	REV.
AWC	AS	JB	FI	28/09/16	NTS	6808-Q-H12-Z-Q1000	C

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**Legend**

-  Model extent
-  Hotspot boundary
- Flood extents for each return period
-  1 in 5 year flood extent
-  1 in 30 year flood extent
-  1 in 75 year flood extent
-  1 in 100 year flood extent
-  1 in 100 year plus climate change (+40%) flood extent
-  1 in 1000 year flood extent



**HOTSPOT 13 - FLOOD EXTENTS**

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN



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**Legend**

-  Model extent
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 13 - FLOOD DEPTHS (1 IN 5 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

-  Model extent
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 13 - FLOOD DEPTHS (1 IN 20 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

-  Model extent
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 13 - FLOOD DEPTHS (1 IN 30 YEAR)**

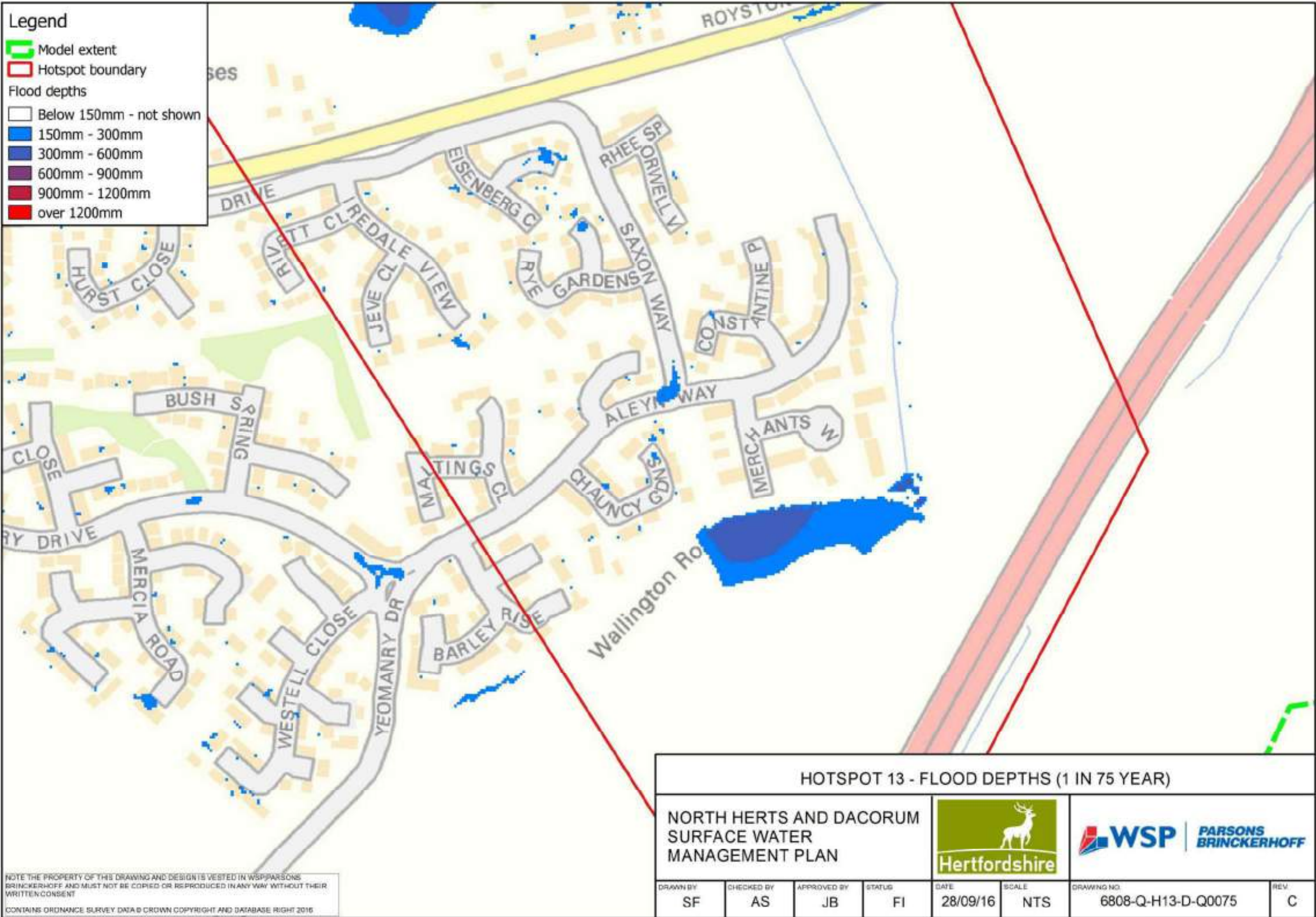
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extent
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

**HOTSPOT 13 - FLOOD DEPTHS (1 IN 75 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

-  Model extent
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



HOTSPOT 13 - FLOOD DEPTHS (1 IN 100 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN



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**Legend**

-  Model extent
-  Hotspot boundary

Flood depths

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



HOTSPOT 13 - FLOOD DEPTHS (1 IN 100CC YEAR 40%)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN



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**Legend**

- Model extent
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

**HOTSPOT 13 - FLOOD DEPTHS (1 IN 1000 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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









**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  0 - not shown
-  0 m/s - 0.25 m/s
-  0.25 - 0.50 m/s
-  0.50 - 1.00 m/s
-  1.00 - 2.00 m/s
-  over 2.00 m/s

HOTSPOT 13 - FLOOD VELOCITIES (1 IN 30 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN



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HOTSPOT 13 - FLOOD VELOCITIES (1 IN 75 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN





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





DRAWN BY AWD	CHECKED BY AS	APPROVED BY JB	STATUS FI	DATE 28/09/16	SCALE NTS	DRAWING NO. 6808-Q-H13-V-Q0075	REV. C
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**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  0 - not shown
-  0 m/s - 0.25 m/s
-  0.25 - 0.50 m/s
-  0.50 - 1.00 m/s
-  1.00 - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 13 - FLOOD VELOCITIES (1 IN 100 YEAR)**

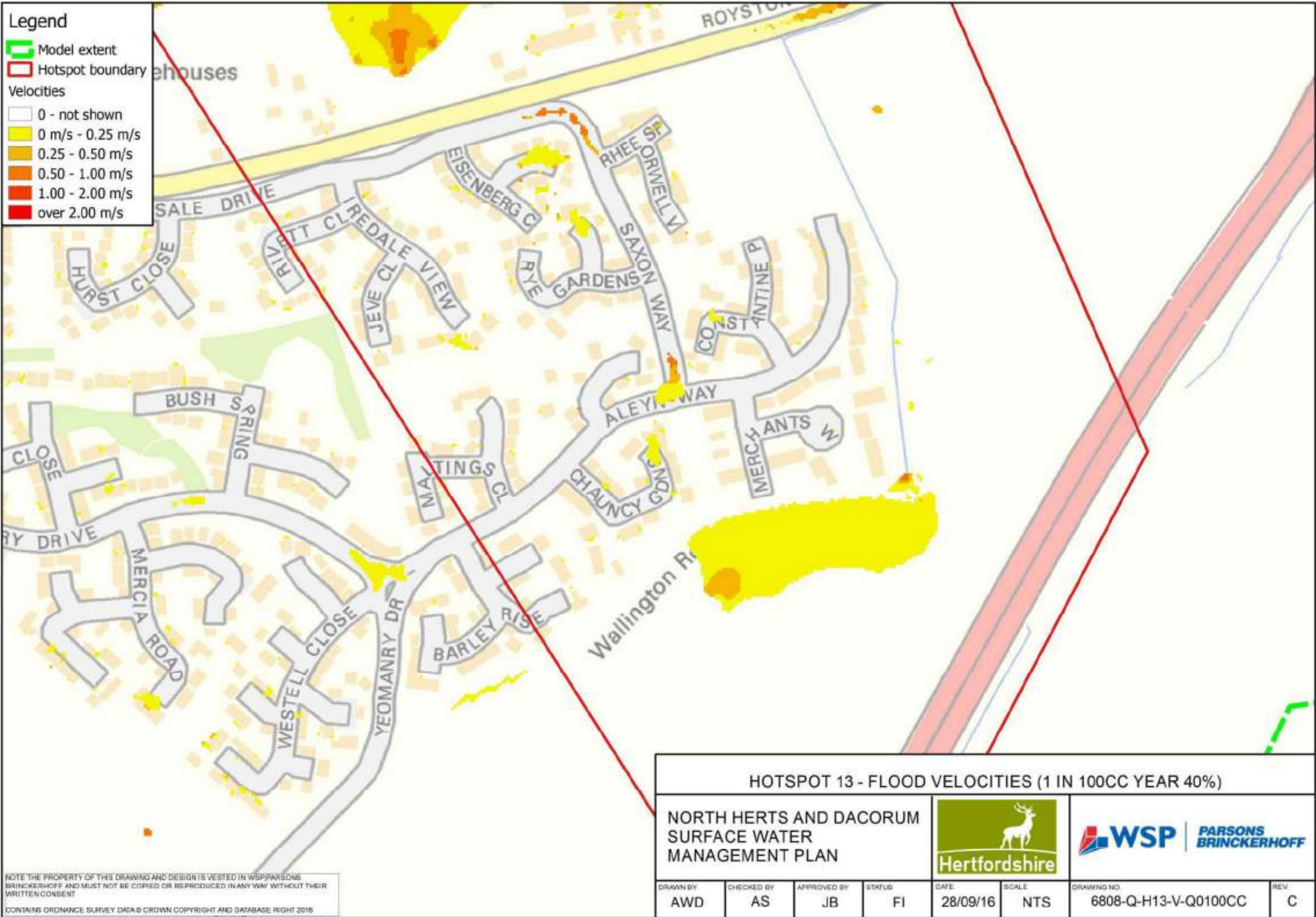
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

-  Model extent
-  Hotspot boundary
- Flood hazard**
-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



HOTSPOT 13 - FLOOD HAZARD (1 IN 5 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN










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**Legend**

-  Model extent
-  Hotspot boundary
- Flood hazard**
-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



HOTSPOT 13 - FLOOD HAZARD (1 IN 20 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN





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**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



HOTSPOT 13 - FLOOD HAZARD (1 IN 30 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN










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**Legend**

-  Model extent
-  Hotspot boundary
- Flood hazard**
-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 13 - FLOOD HAZARD (1 IN 75 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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**Legend**

-  Model extent
-  Hotspot boundary
- Flood hazard**
-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



HOTSPOT 13 - FLOOD HAZARD (1 IN 100 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN










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**Legend**

-  Model extent
-  Hotspot boundary
- Flood hazard**
-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 13 - FLOOD HAZARD (1 IN 100CC YEAR 40%)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**

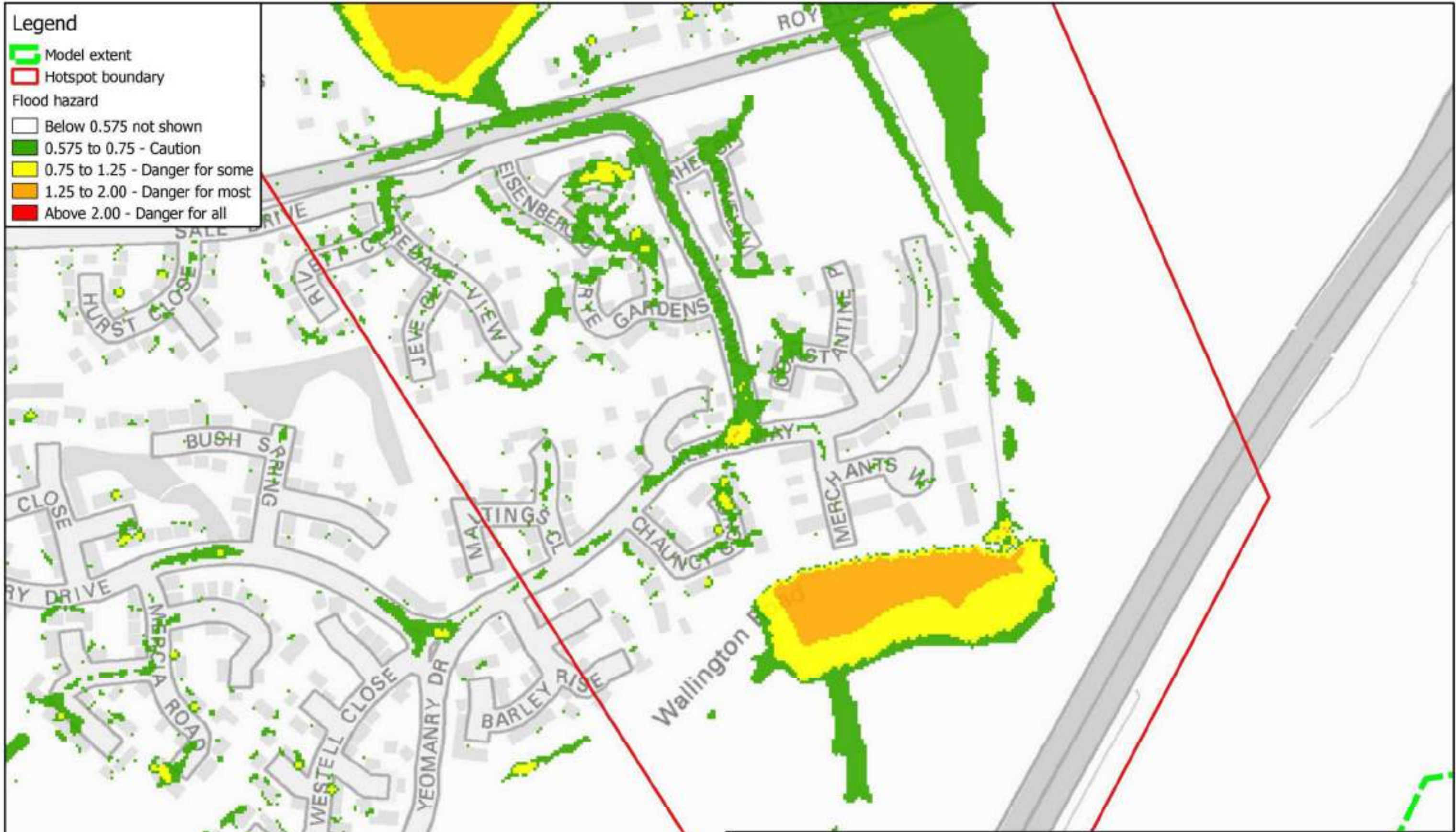


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- Legend**
-  Model extent
  -  Hotspot boundary
  - Flood hazard**
  -  Below 0.575 not shown
  -  0.575 to 0.75 - Caution
  -  0.75 to 1.25 - Danger for some
  -  1.25 to 2.00 - Danger for most
  -  Above 2.00 - Danger for all



HOTSPOT 13 - FLOOD HAZARD (1 IN 1000 YEAR)

NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN











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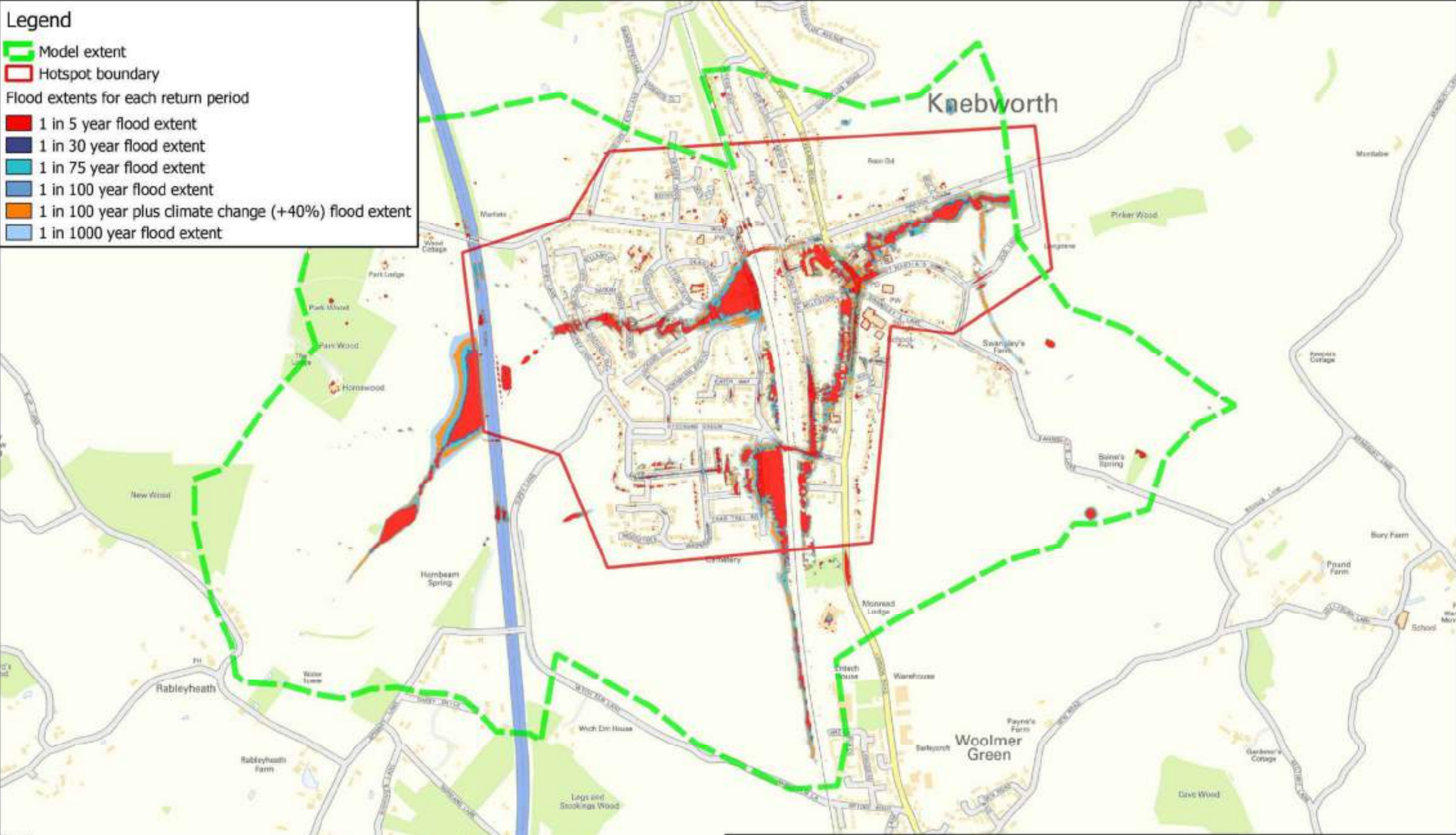
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**Legend**

-  Model extent
-  Hotspot boundary
- Flood extents for each return period
-  1 in 5 year flood extent
-  1 in 30 year flood extent
-  1 in 75 year flood extent
-  1 in 100 year flood extent
-  1 in 100 year plus climate change (+40%) flood extent
-  1 in 1000 year flood extent



**HOTSPOT 17 - FLOOD EXTENTS**

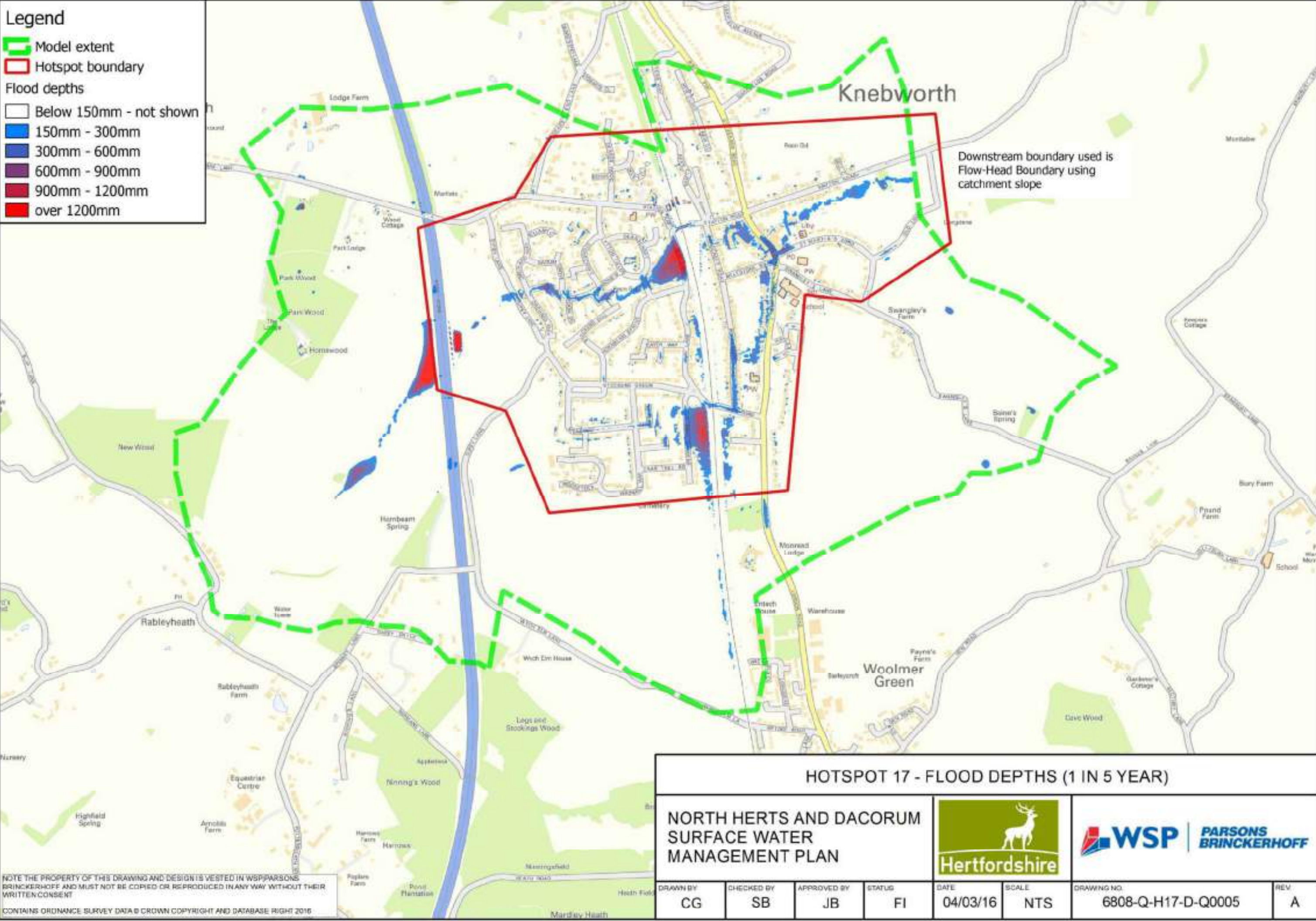
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SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extent
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

Downstream boundary used is Flow-Head Boundary using catchment slope

<b>HOTSPOT 17 - FLOOD DEPTHS (1 IN 5 YEAR)</b>									
<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>							 		
DRAWN BY	CHECKED BY	APPROVED BY	STATUS	DATE	SCALE	DRAWING NO.	REV.		
CG	SB	JB	FI	04/03/16	NTS	6808-Q-H17-D-Q0005	A		

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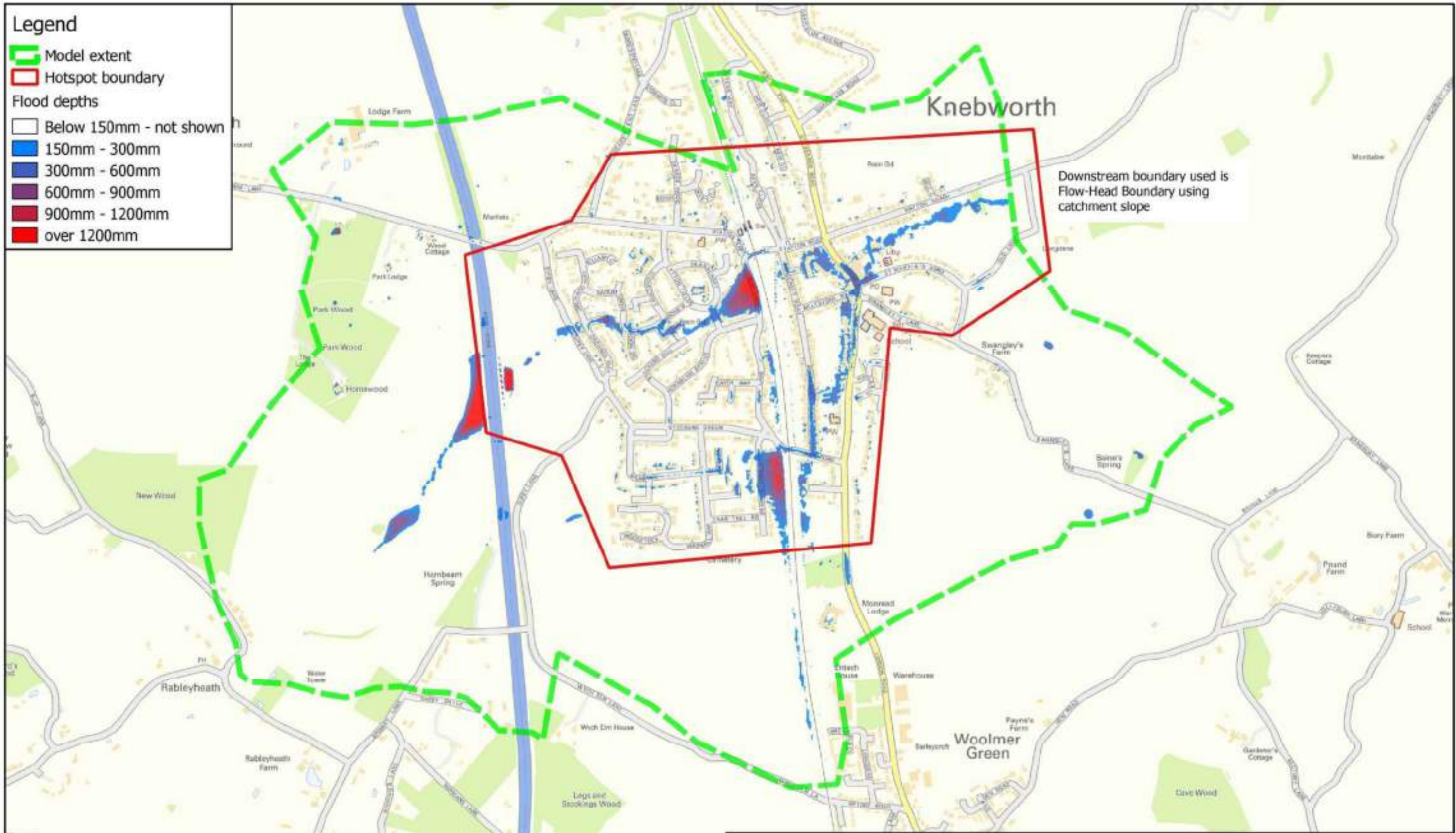


**Legend**

-  Model extent
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 17 - FLOOD DEPTHS (1 IN 20 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**











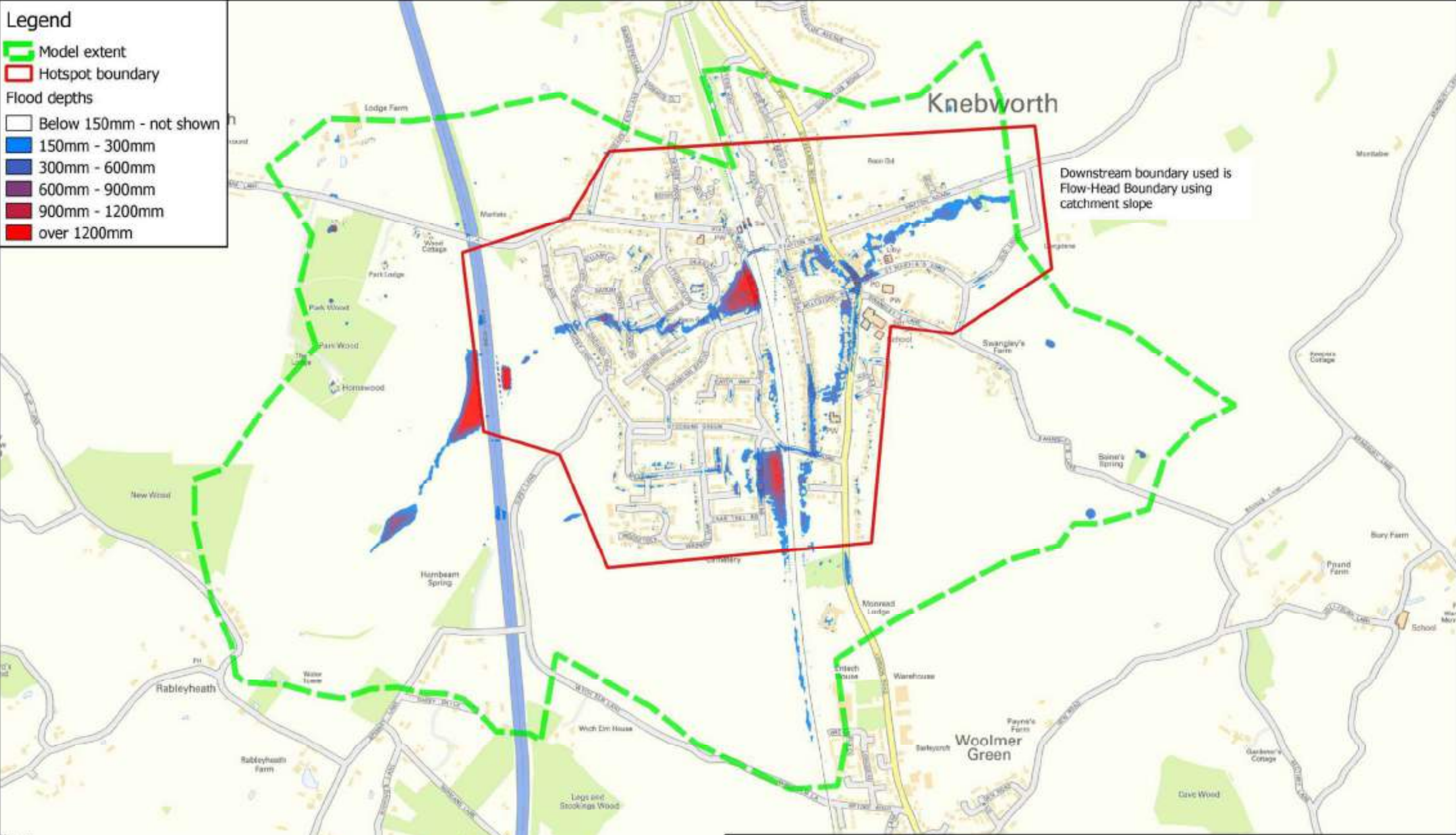
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**Legend**

-  Model extent
-  Hotspot boundary
- Flood depths**
-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 17 - FLOOD DEPTHS (1 IN 30 YEAR)**

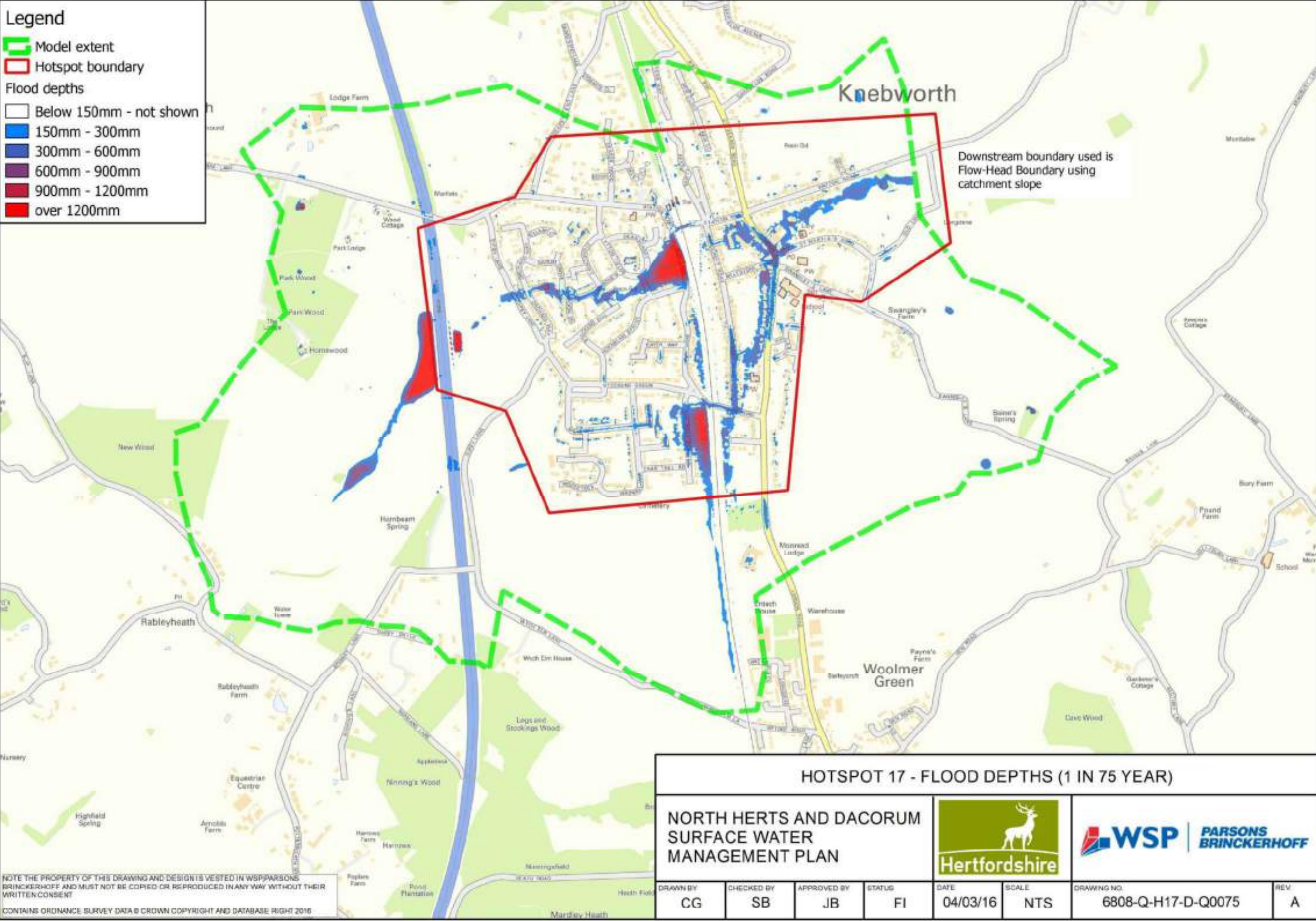
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- - - Model extent
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

Downstream boundary used is Flow-Head Boundary using catchment slope

**HOTSPOT 17 - FLOOD DEPTHS (1 IN 75 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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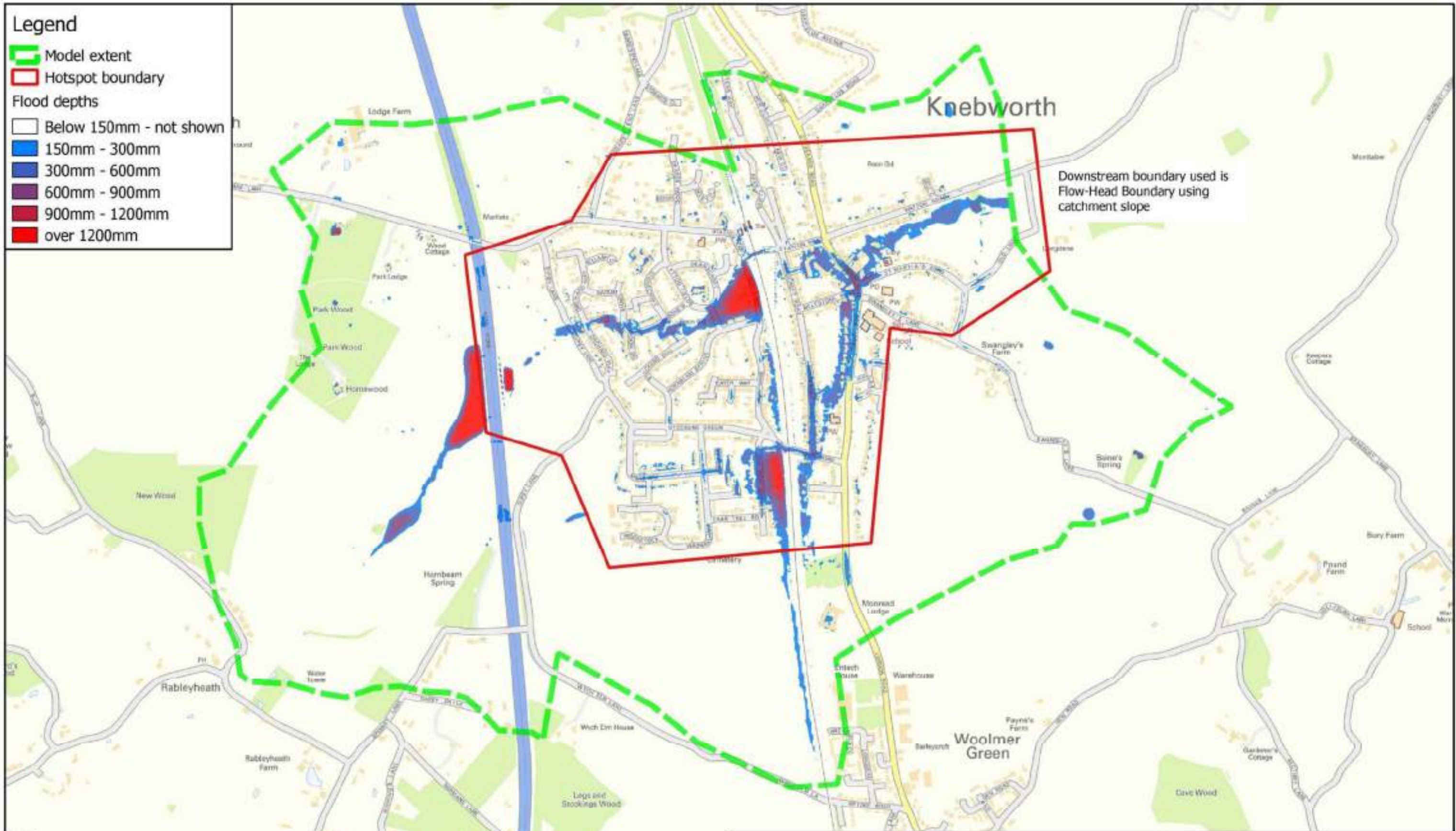


**Legend**

-  Model extent
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 17 - FLOOD DEPTHS (1 IN 100 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**

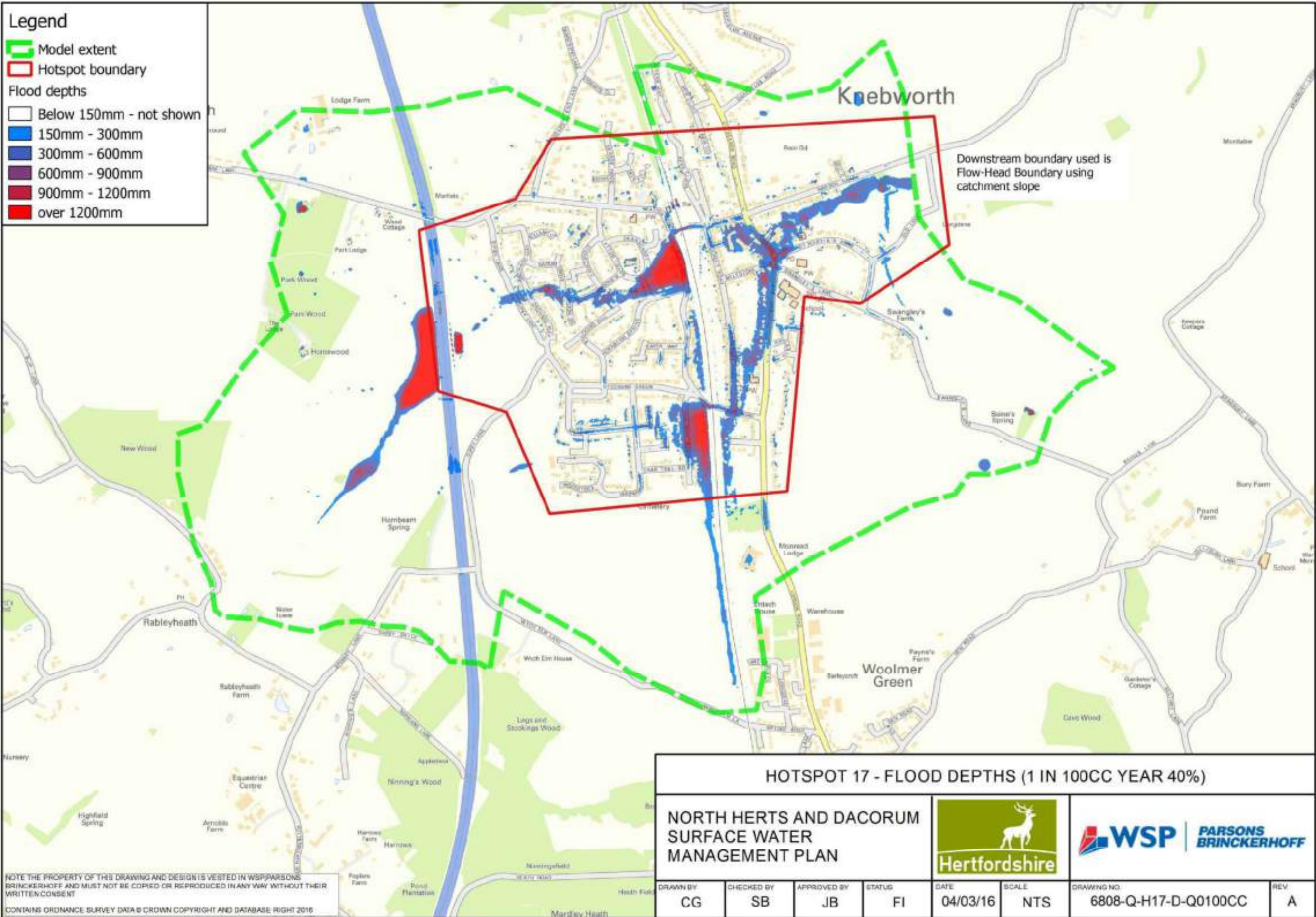


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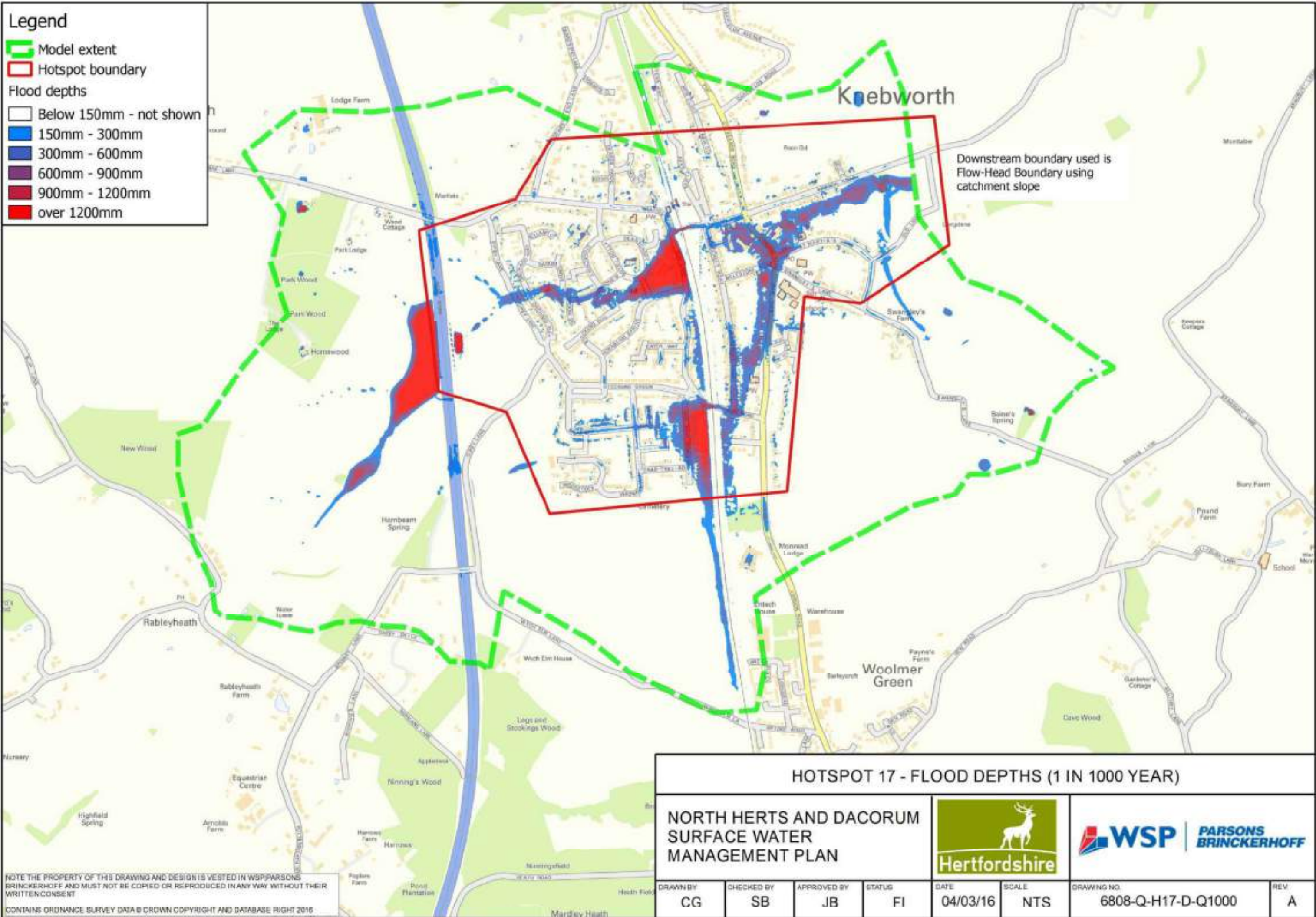
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**Legend**

- - - Model extent
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

Downstream boundary used is Flow-Head Boundary using catchment slope

**HOTSPOT 17 - FLOOD DEPTHS (1 IN 1000 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extent
- Hotspot boundary

**Velocities**

- Flooding less than 150mm deep not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s



**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 5 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extent
- Hotspot boundary

**Velocities**

- Flooding less than 150mm deep not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s



**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 20 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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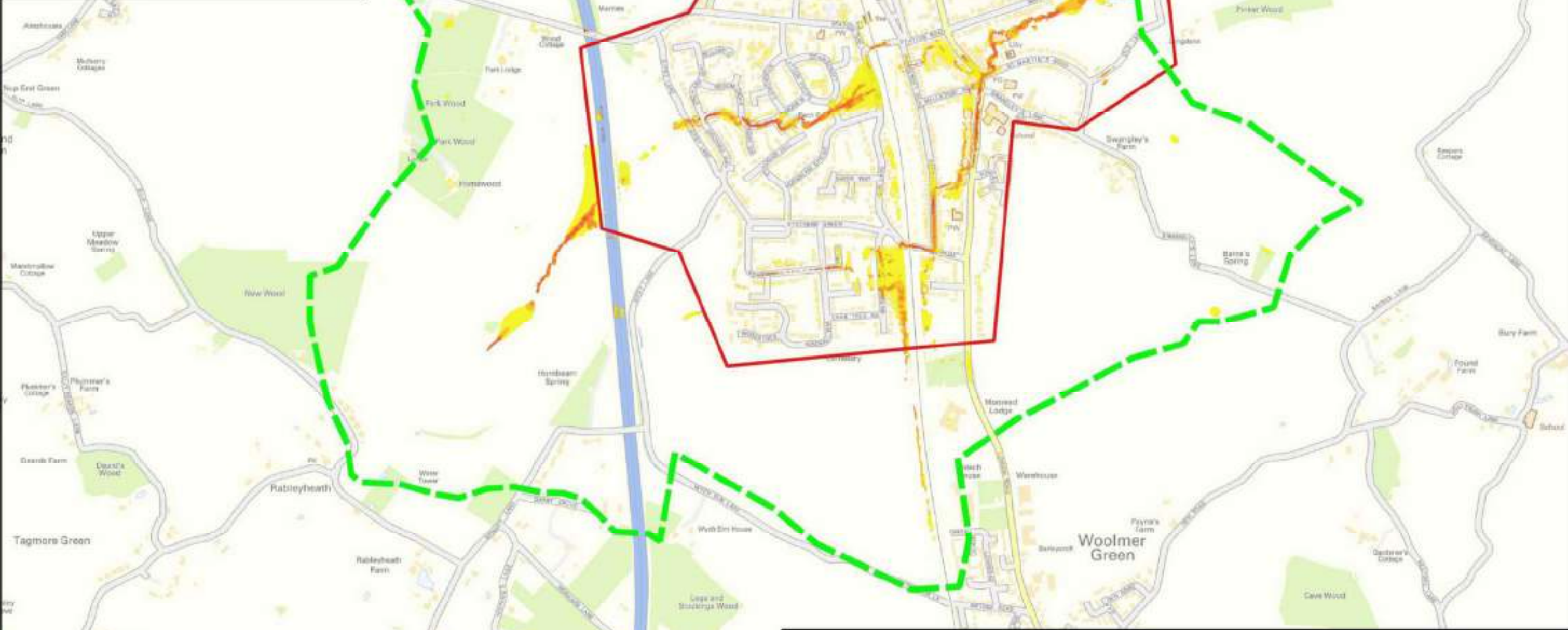


**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  Flooding less than 150mm deep not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 30 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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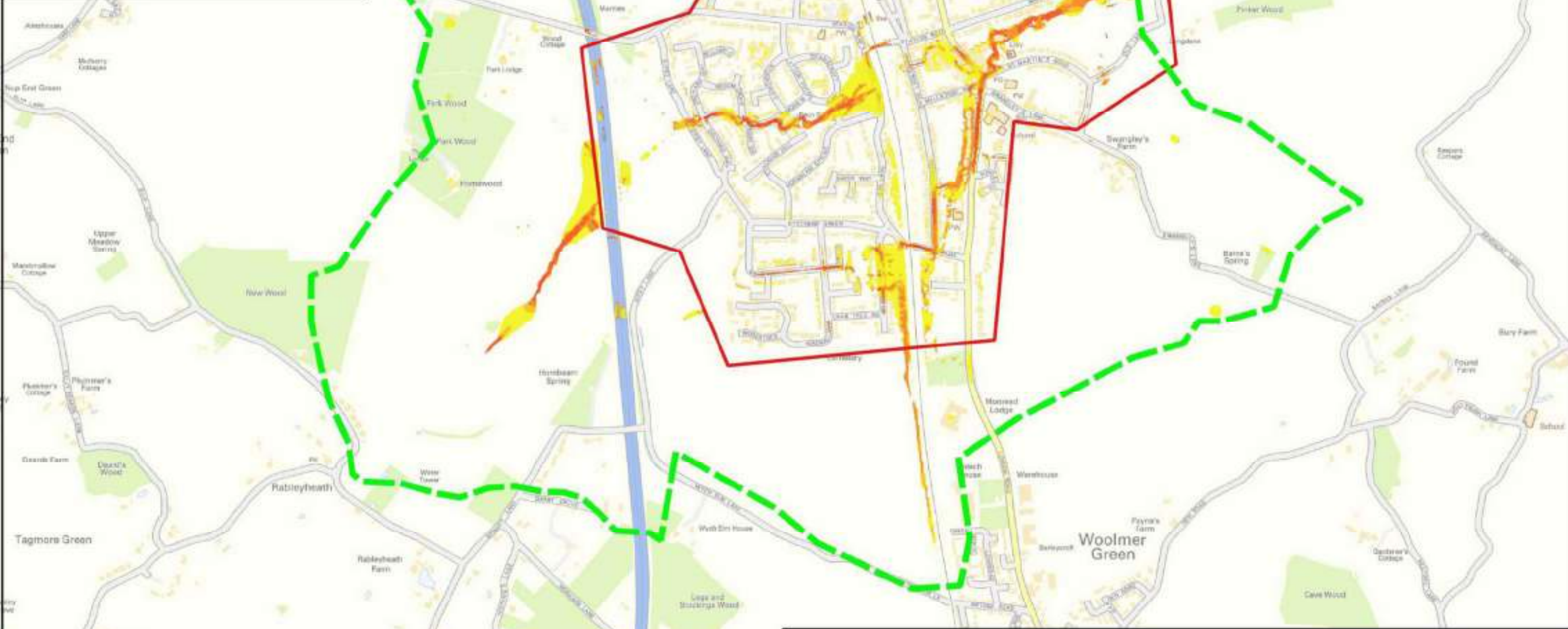


**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  Flooding less than 150mm deep not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 75 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  Flooding less than 150mm deep not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 100 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  Flooding less than 150mm deep not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 100CC YEAR 40%)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
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**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  Flooding less than 150mm deep not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 1000 YEAR)**

**NORTH HERTS AND DACORUM  
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

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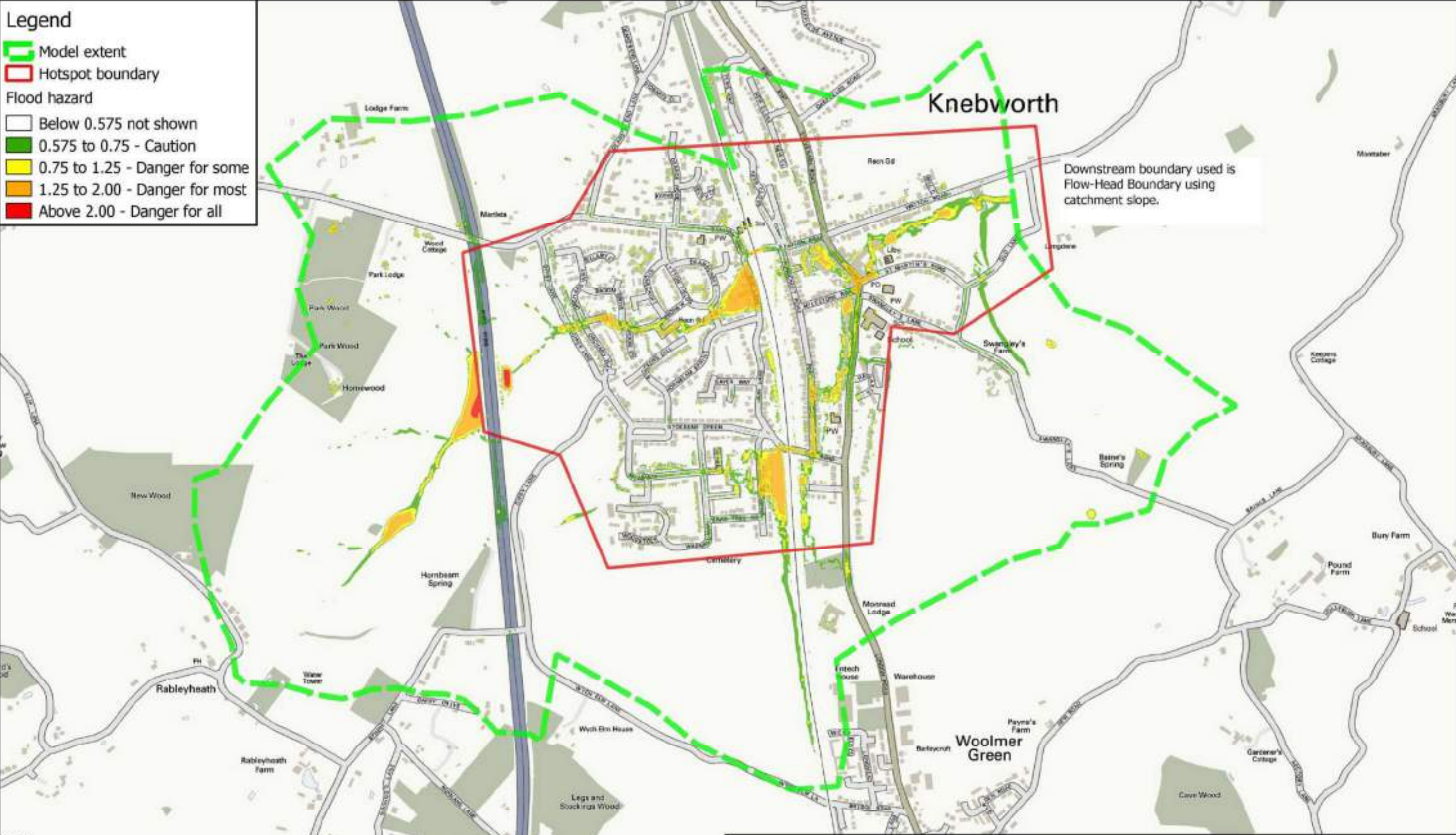


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 17 - FLOOD HAZARDS (1 IN 20 YEAR)**

**NORTH HERTS AND DACORUM  
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

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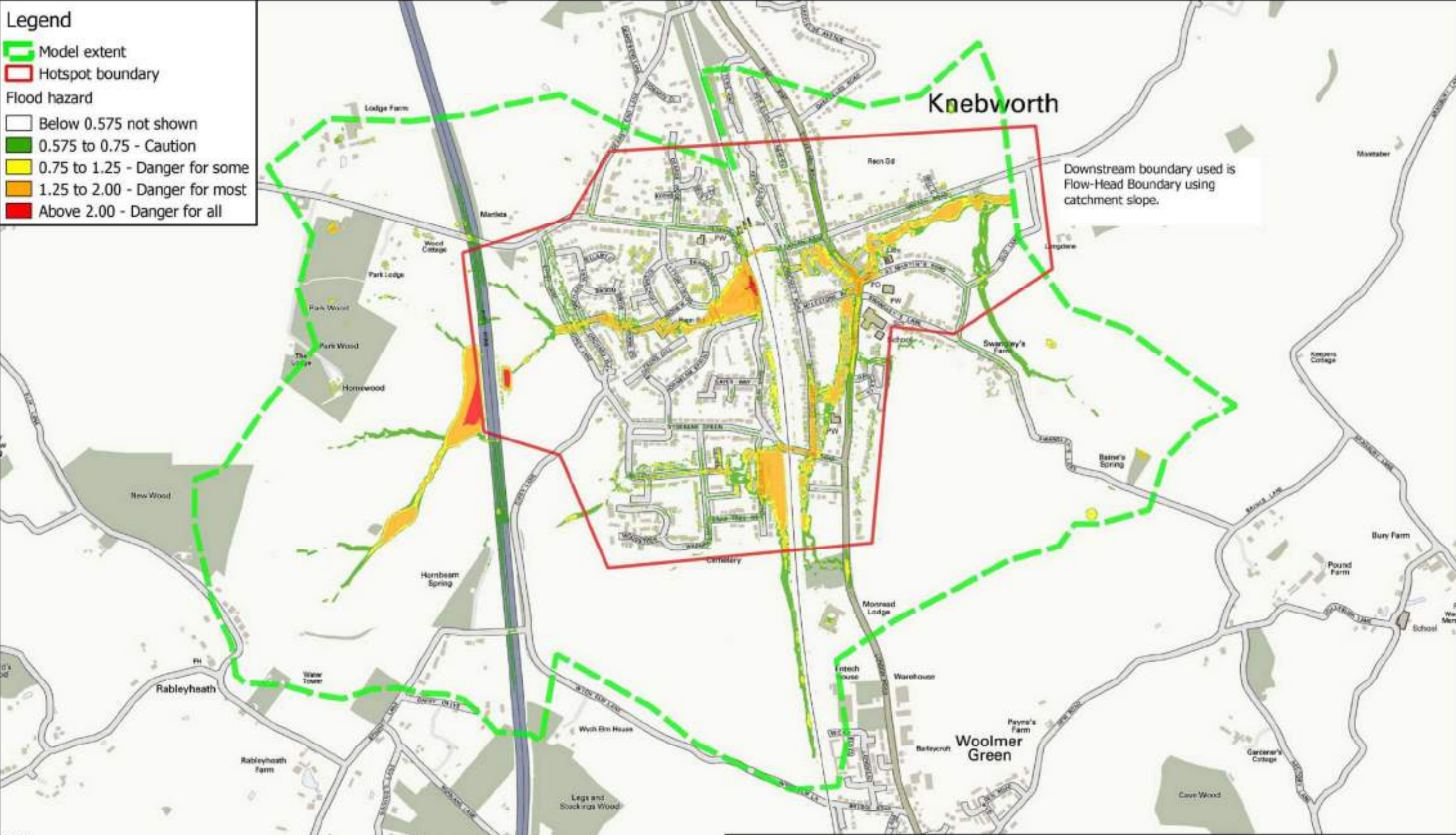


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 17 - FLOOD HAZARDS (1 IN 75 YEAR)**

**NORTH HERTS AND DACORUM  
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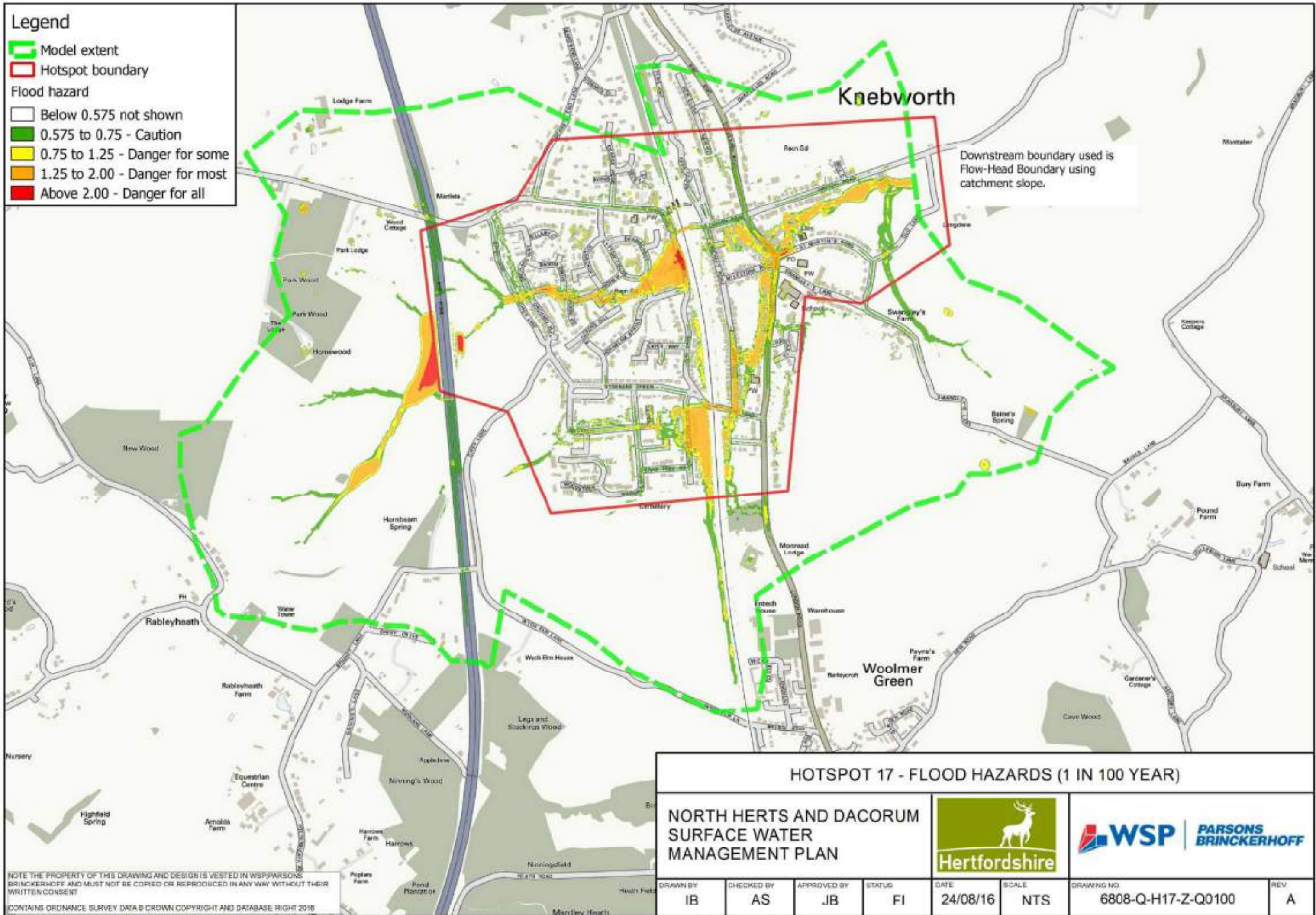


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 17 - FLOOD HAZARDS (1 IN 100 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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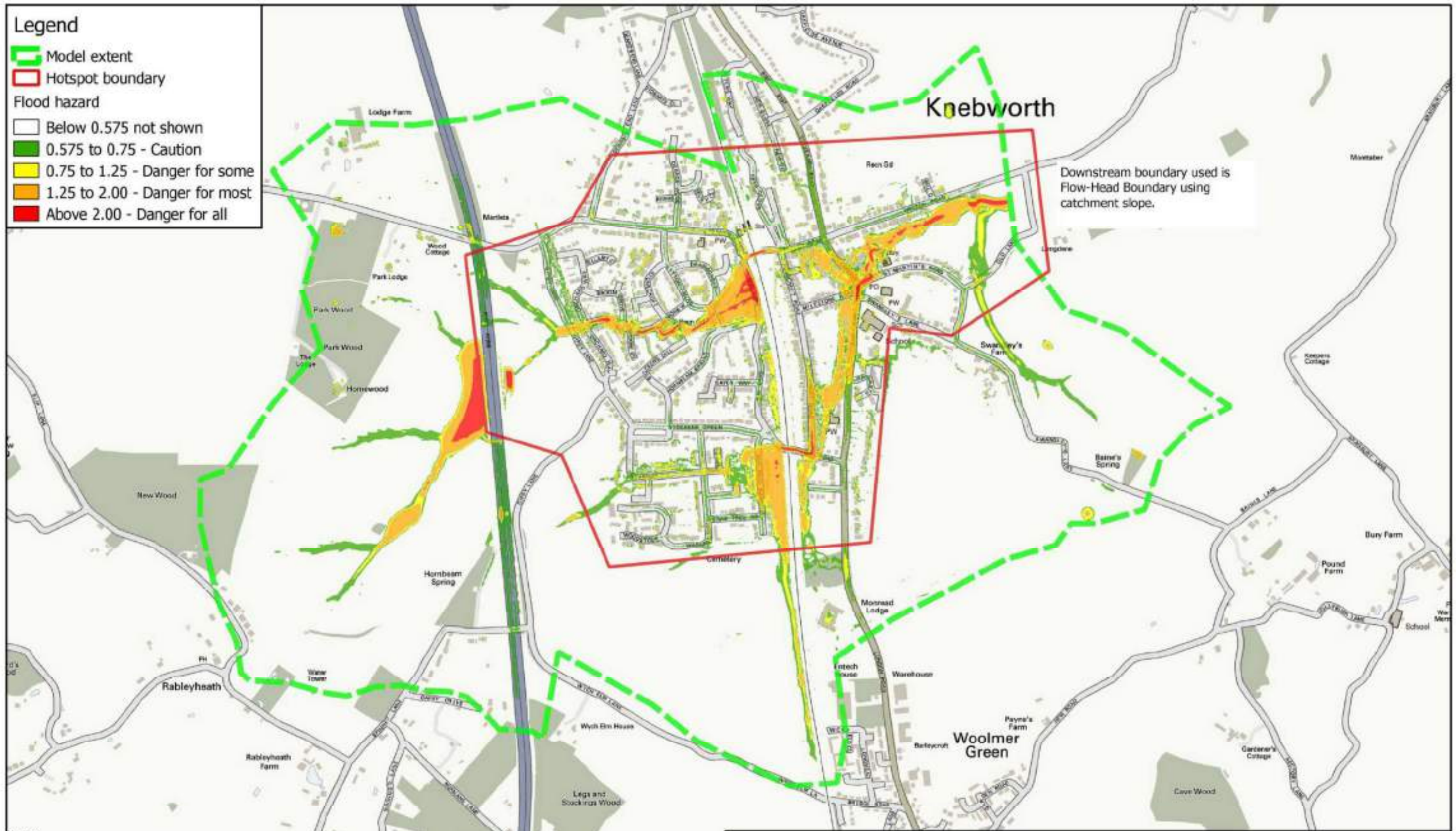


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 17 - FLOOD HAZARDS (1 IN 100CC YEAR 40%)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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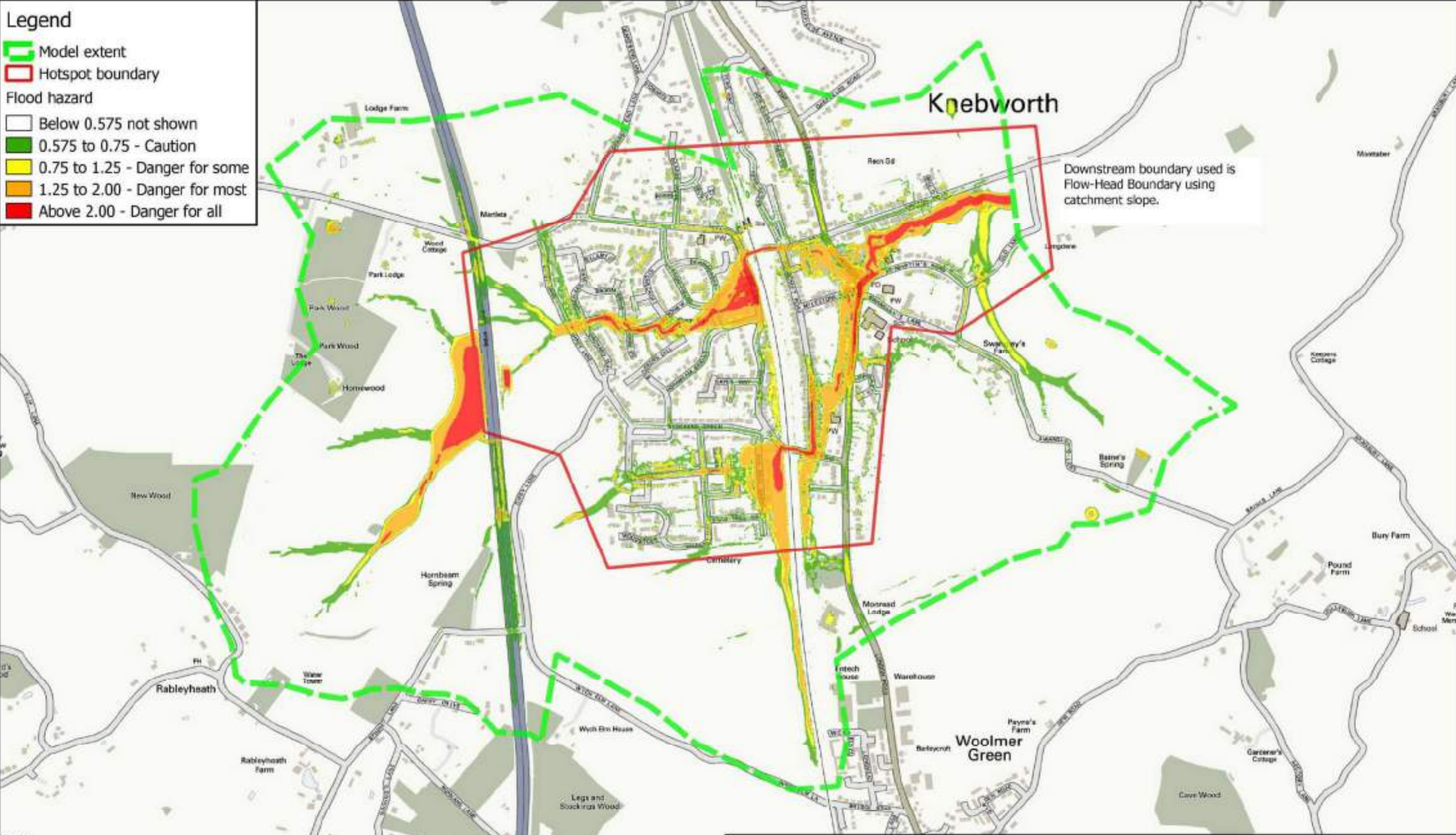


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



Downstream boundary used is Flow-Head Boundary using catchment slope.

**HOTSPOT 17 - FLOOD HAZARDS (1 IN 1000 YEAR)**

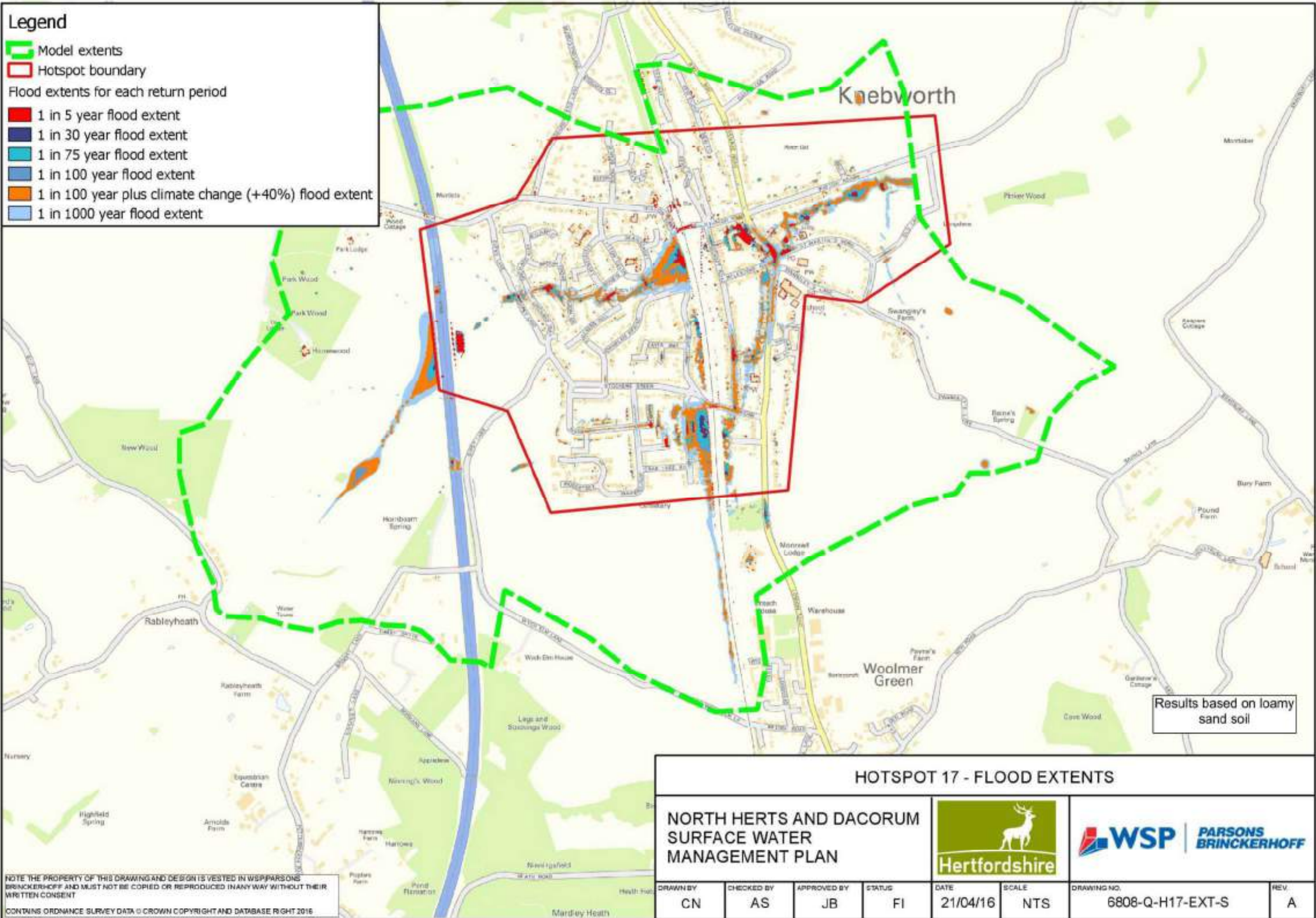
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- ▬ Model extents
- Hotspot boundary
- Flood extents for each return period
- 1 in 5 year flood extent
- 1 in 30 year flood extent
- 1 in 75 year flood extent
- 1 in 100 year flood extent
- 1 in 100 year plus climate change (+40%) flood extent
- 1 in 1000 year flood extent

Knebworth

Woolmer Green

Results based on loamy sand soil

**HOTSPOT 17 - FLOOD EXTENTS**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**

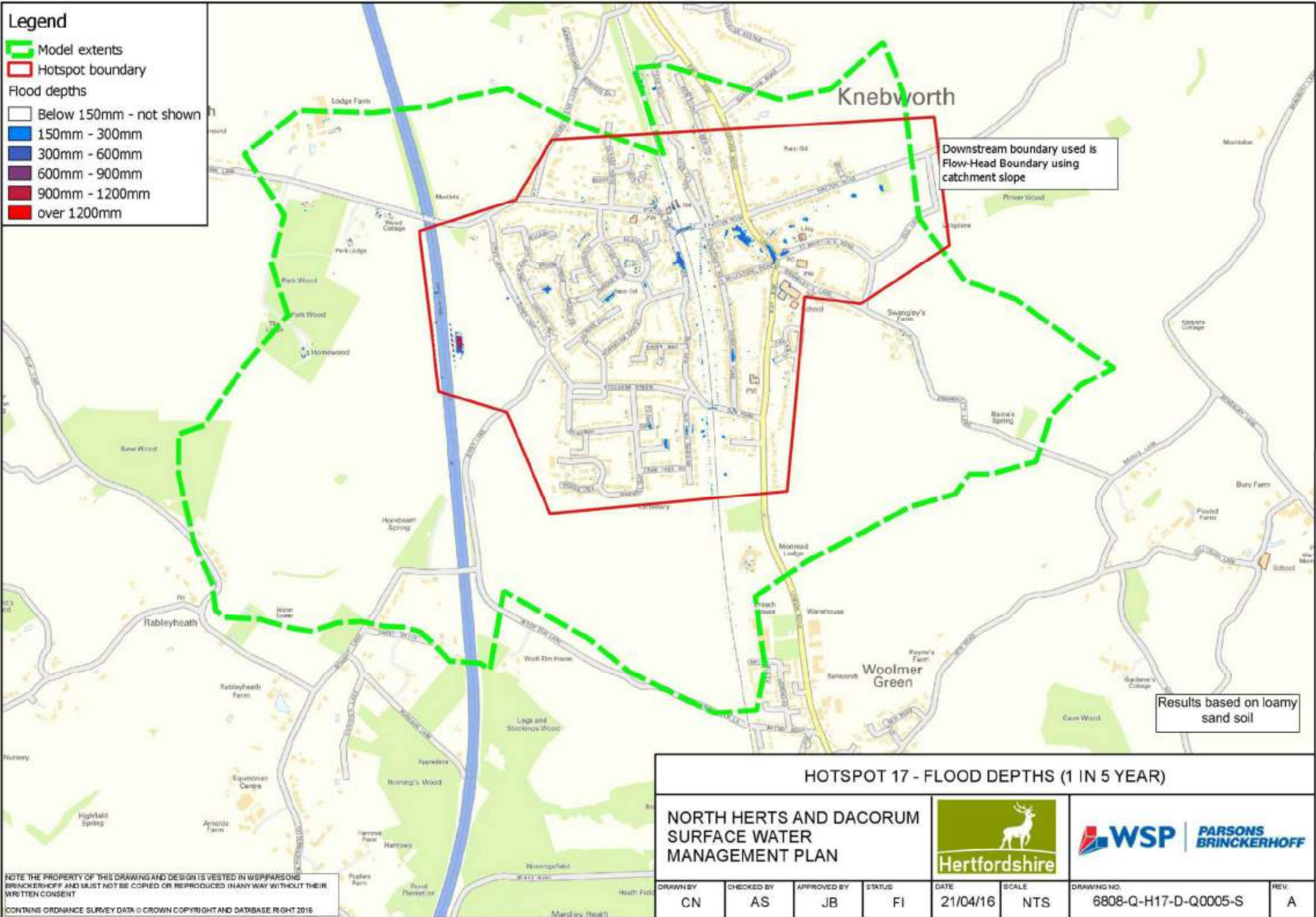


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**Legend**

- ▬ Model extents
- ▭ Hotspot boundary
- Flood depths**
- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

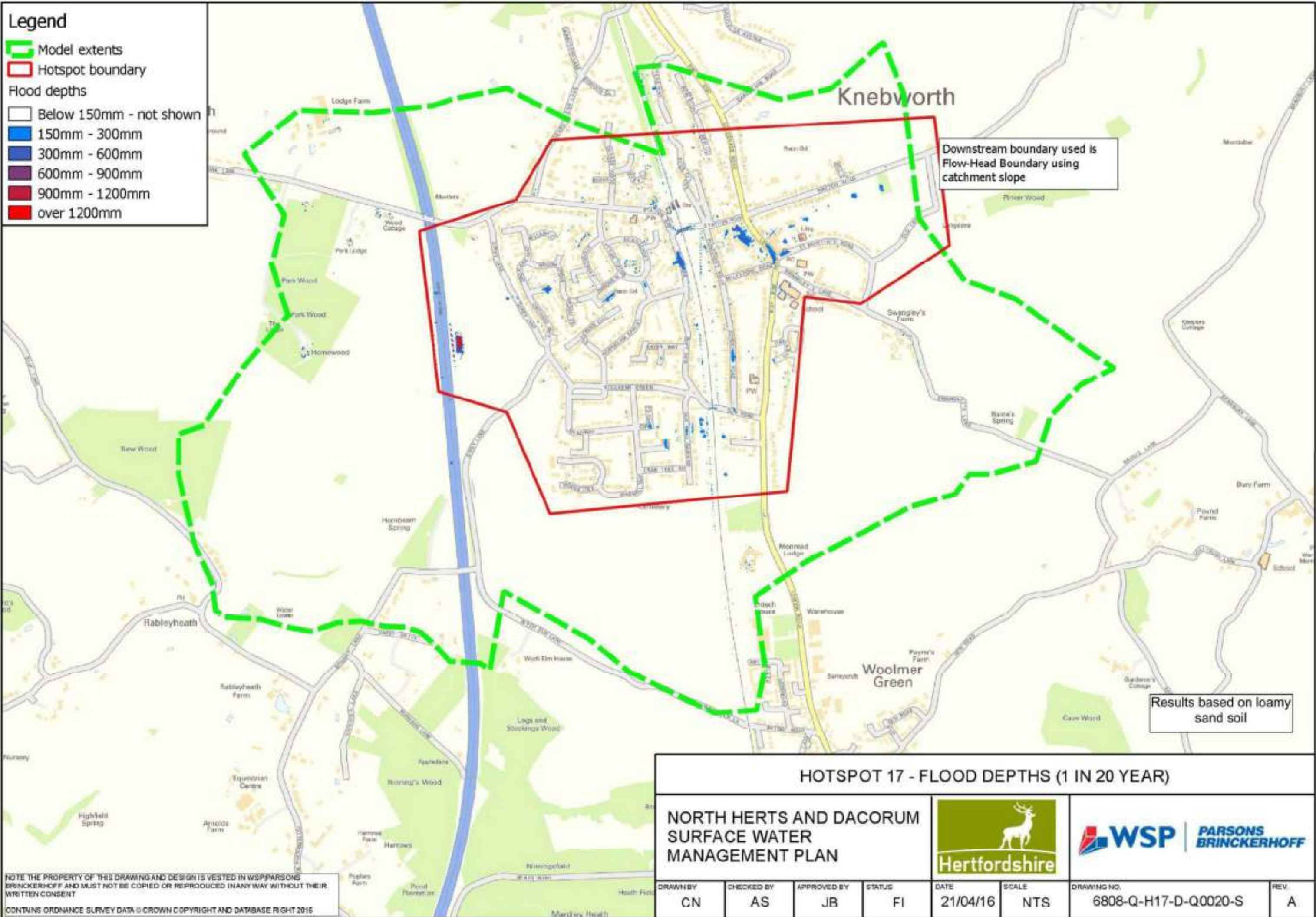
Downstream boundary used is Flow-Head Boundary using catchment slope

Results based on loamy sand soil

<b>HOTSPOT 17 - FLOOD DEPTHS (1 IN 5 YEAR)</b>					
<b>NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN</b>					
DRAWN BY	CHECKED BY	APPROVED BY	STATUS	DATE	SCALE
CN	AS	JB	FI	21/04/16	NTS
DRAWING NO.				REV.	
6808-Q-H17-D-Q0005-S				A	

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**Legend**

- ▬ Model extents
- ▬ Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

Downstream boundary used is Flow-Head Boundary using catchment slope

Results based on loamy sand soil

**HOTSPOT 17 - FLOOD DEPTHS (1 IN 20 YEAR)**

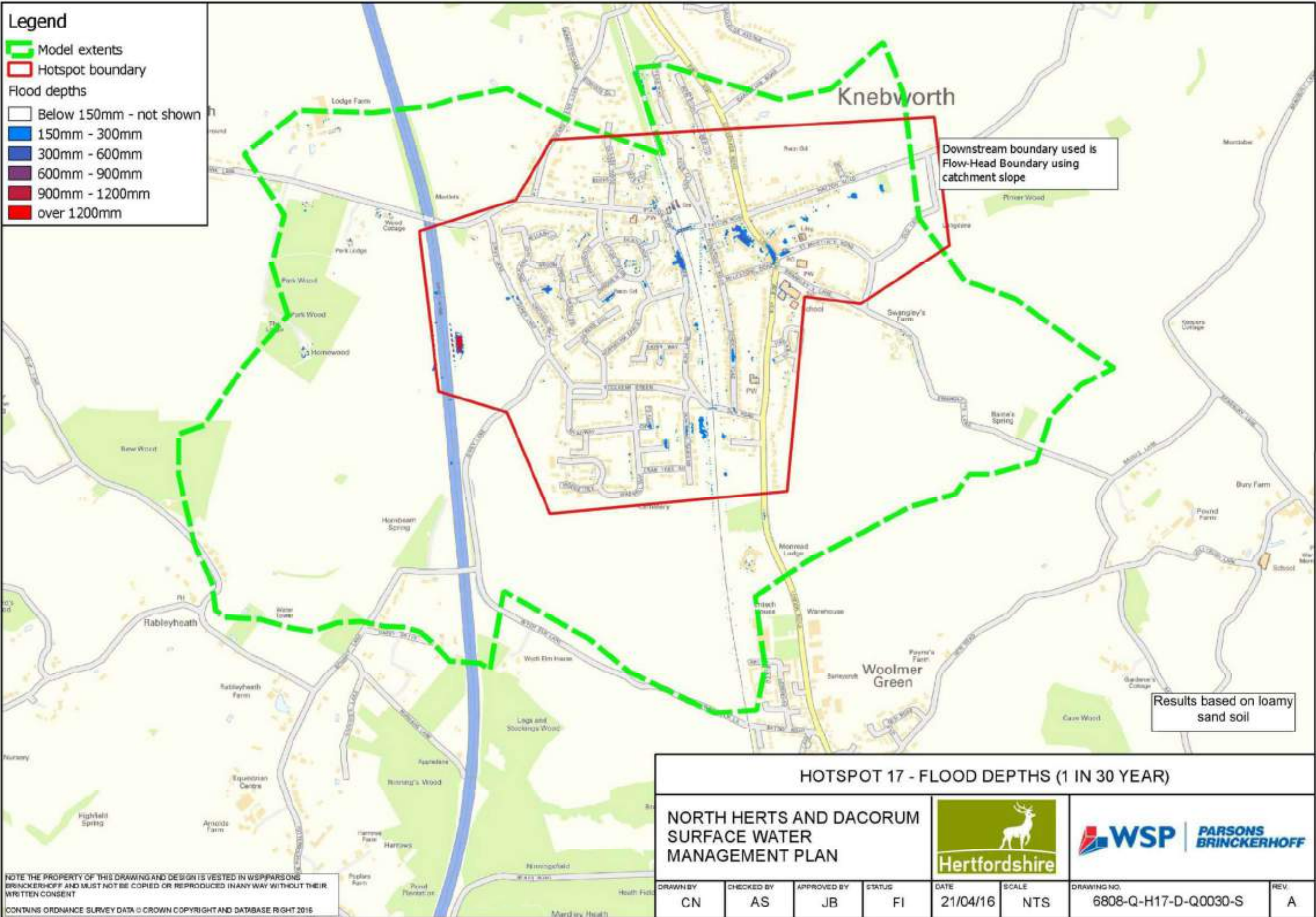
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- - - Model extents
- Hotspot boundary
- Flood depths**
- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

Downstream boundary used is Flow-Head Boundary using catchment slope

Results based on loamy sand soil

**HOTSPOT 17 - FLOOD DEPTHS (1 IN 30 YEAR)**

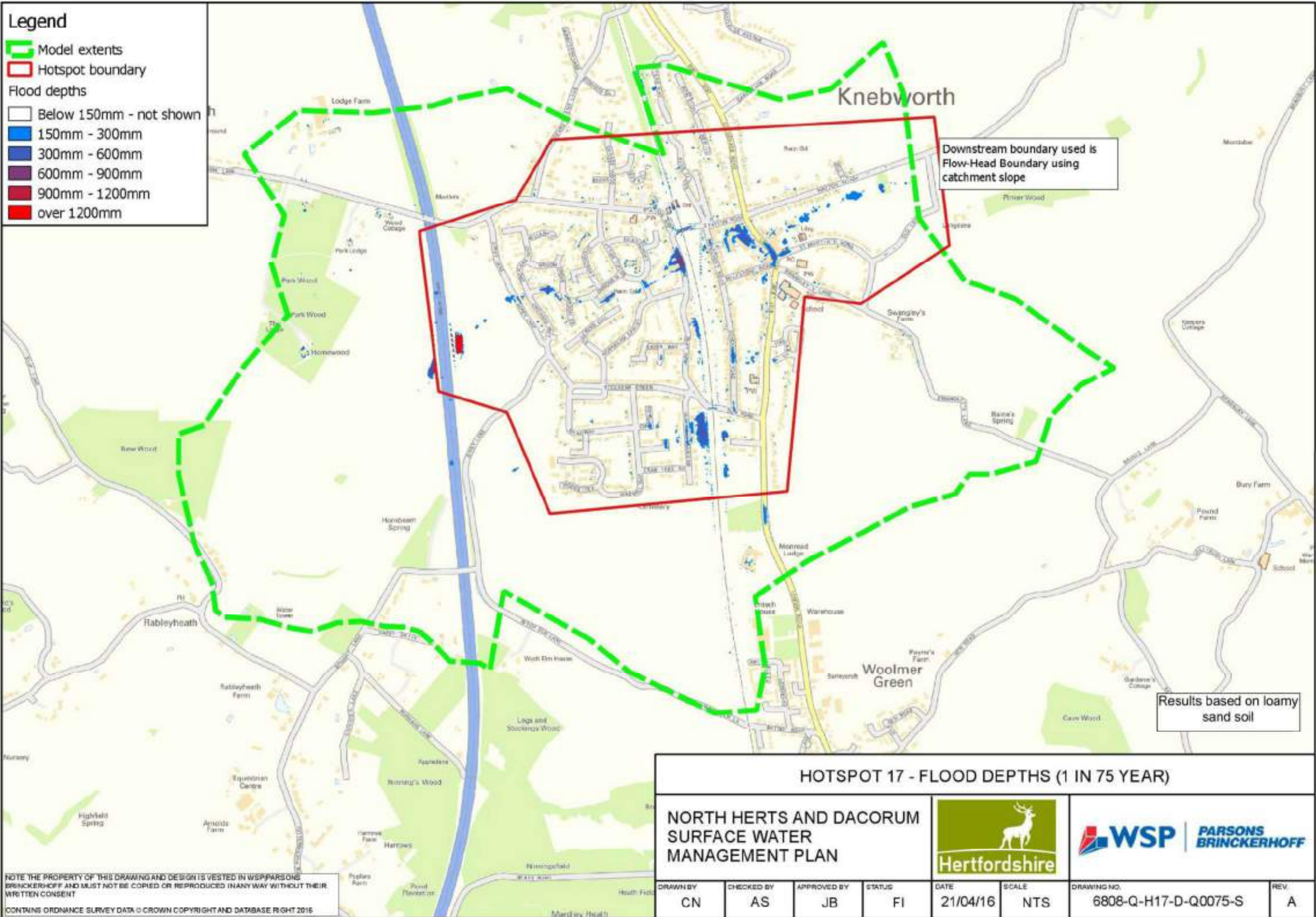
**NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN**



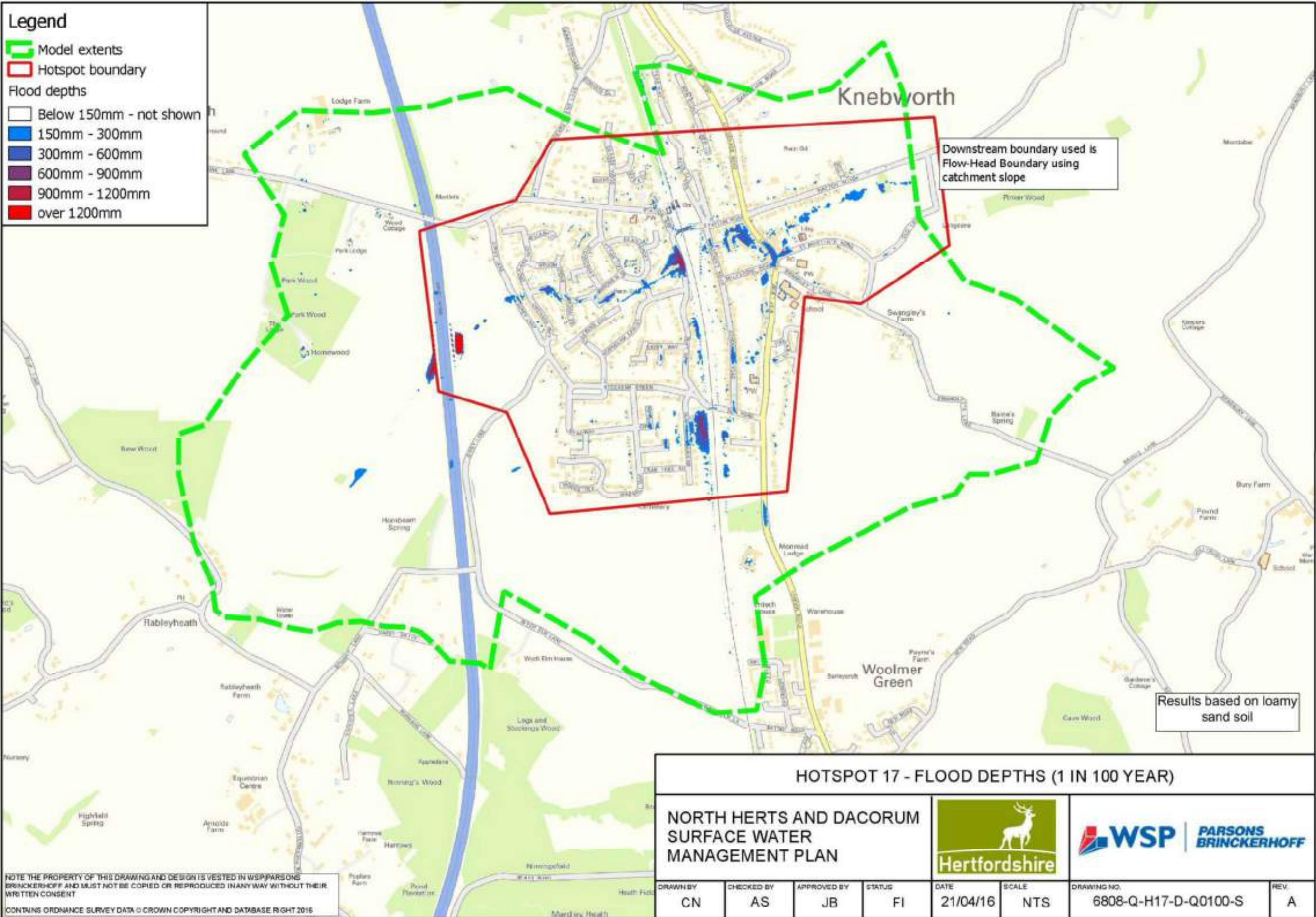
DRAWN BY	CN	CHECKED BY	AS	APPROVED BY	JB	STATUS	FI	DATE	21/04/16	SCALE	NTS	DRAWING NO.	6808-Q-H17-D-Q0030-S	REV.	A
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**Legend**

- Model extents
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm

Downstream boundary used is Flow-Head Boundary using catchment slope

Results based on loamy sand soil

**HOTSPOT 17 - FLOOD DEPTHS (1 IN 100 YEAR)**

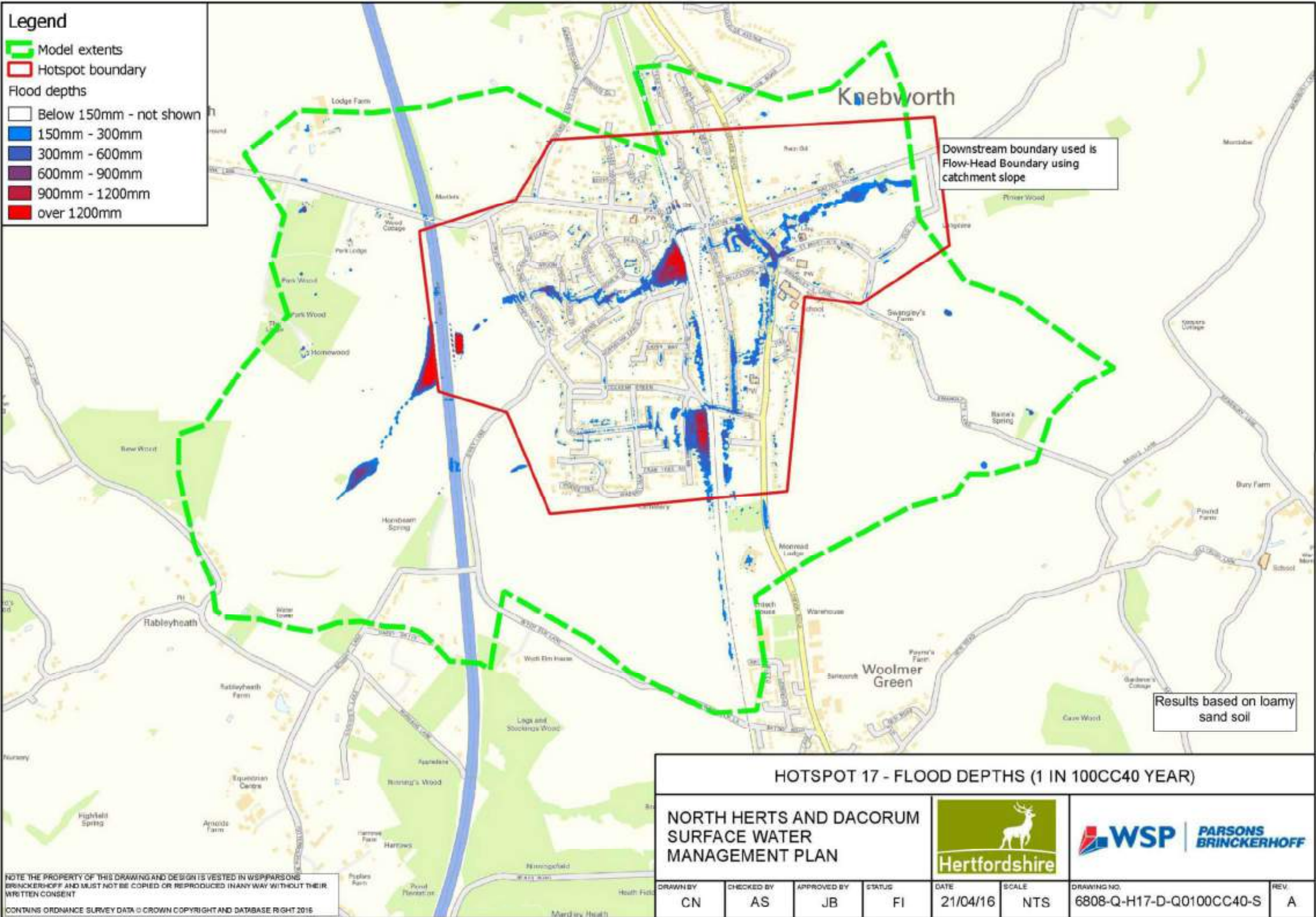
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



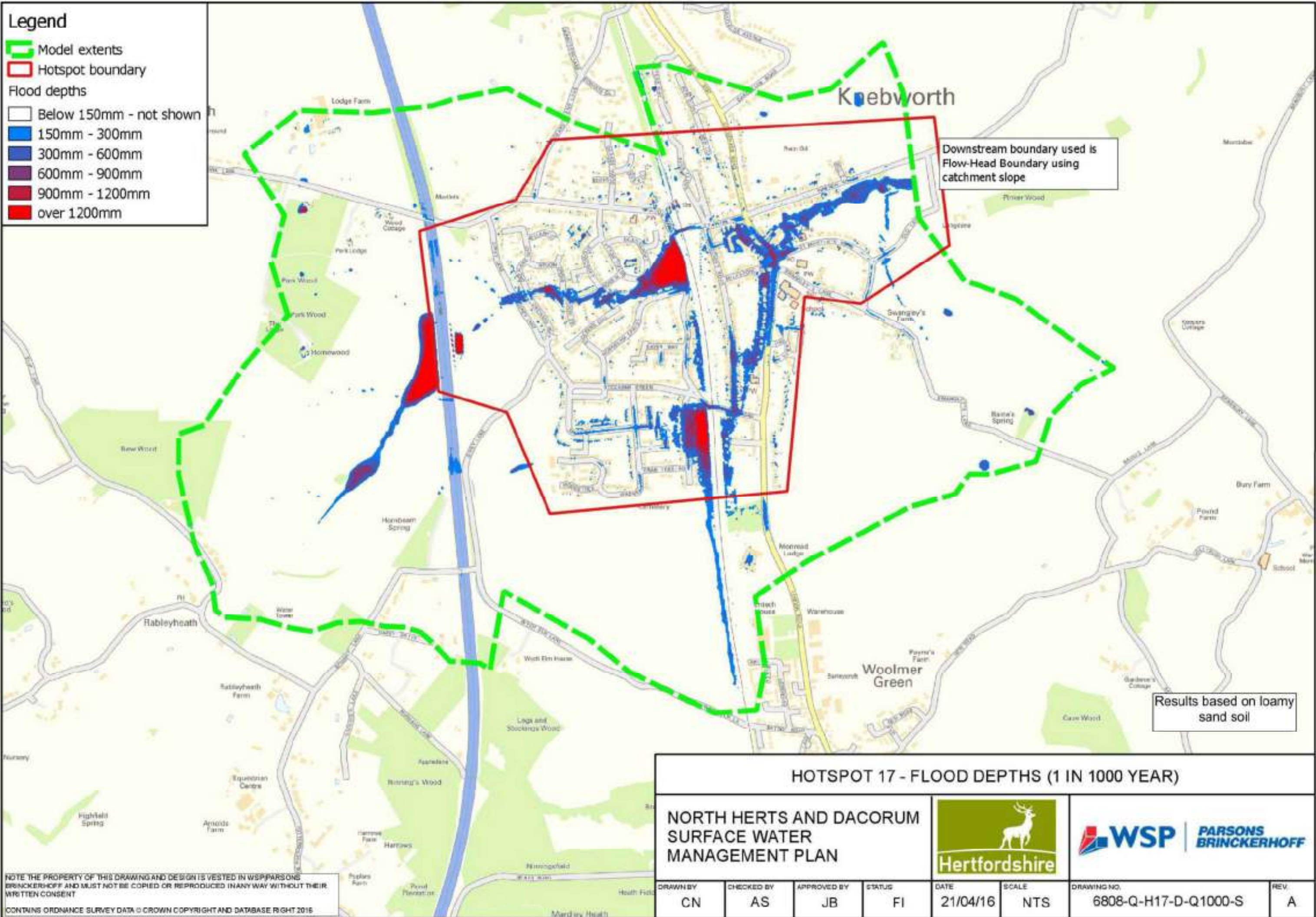
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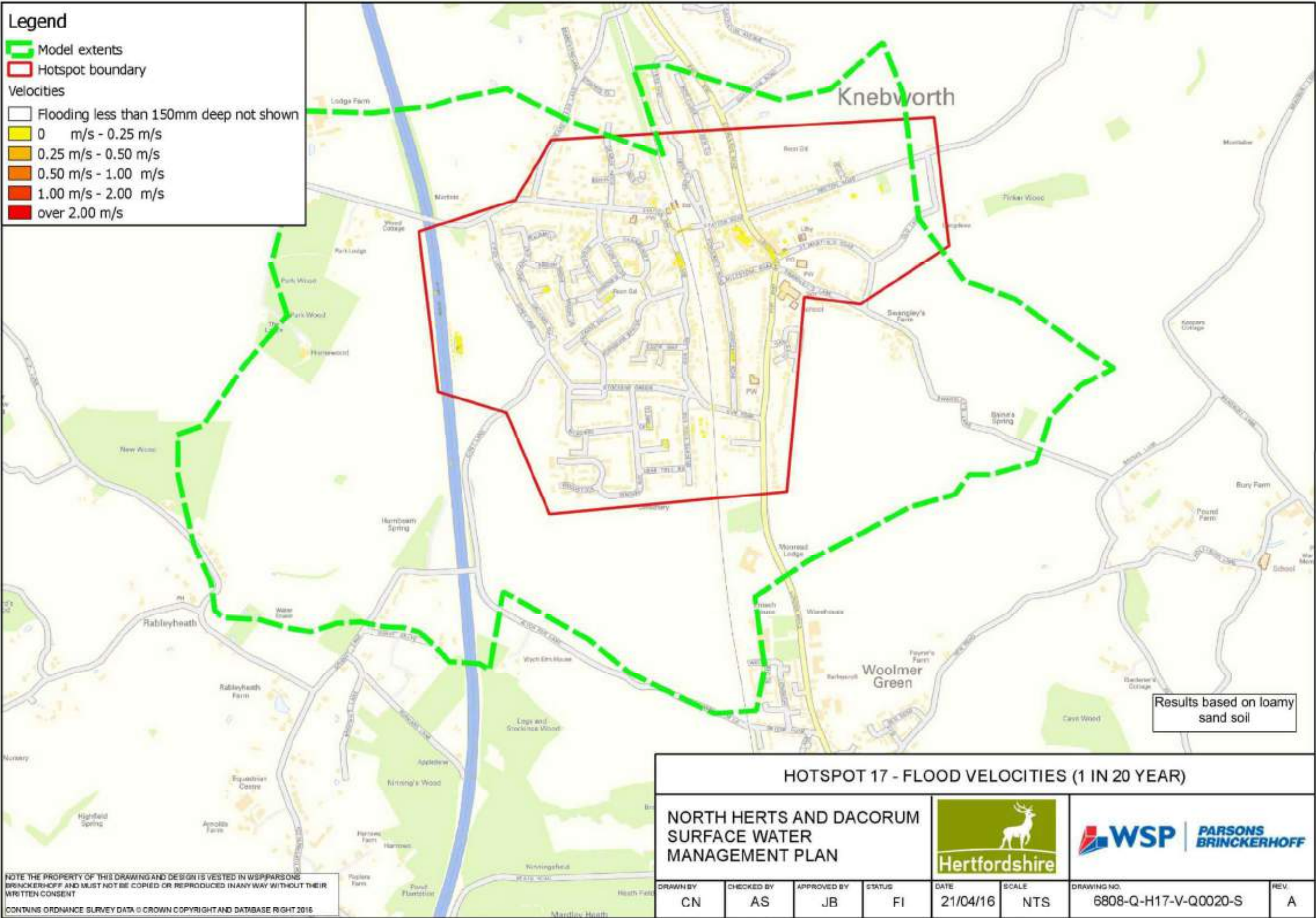


**Legend**

-  Model extents
-  Hotspot boundary

**Velocities**

-  Flooding less than 150mm deep not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



Results based on loamy sand soil

**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 20 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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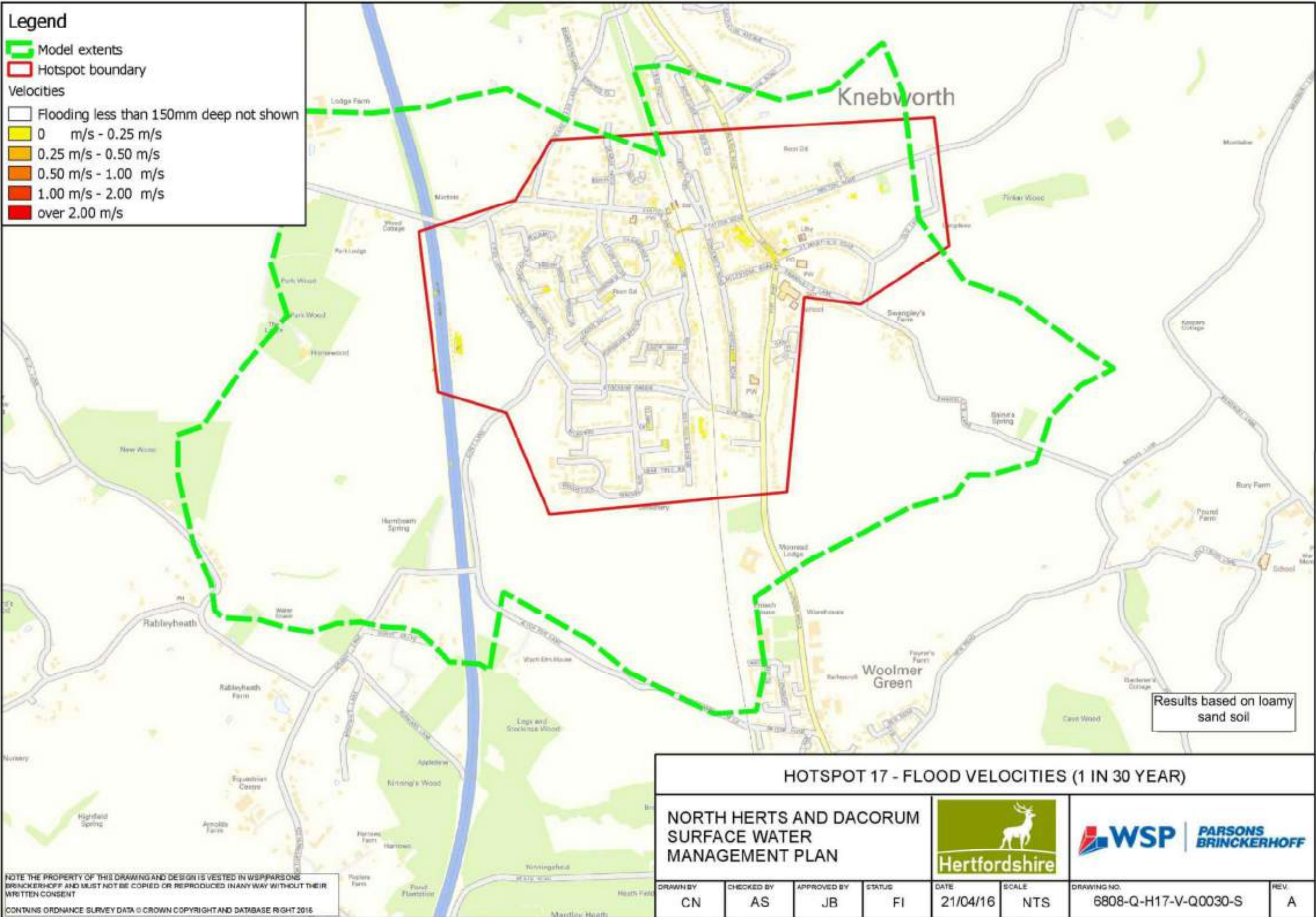


**Legend**

- Model extents
- Hotspot boundary

**Velocities**

- Flooding less than 150mm deep not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s



**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 30 YEAR)**

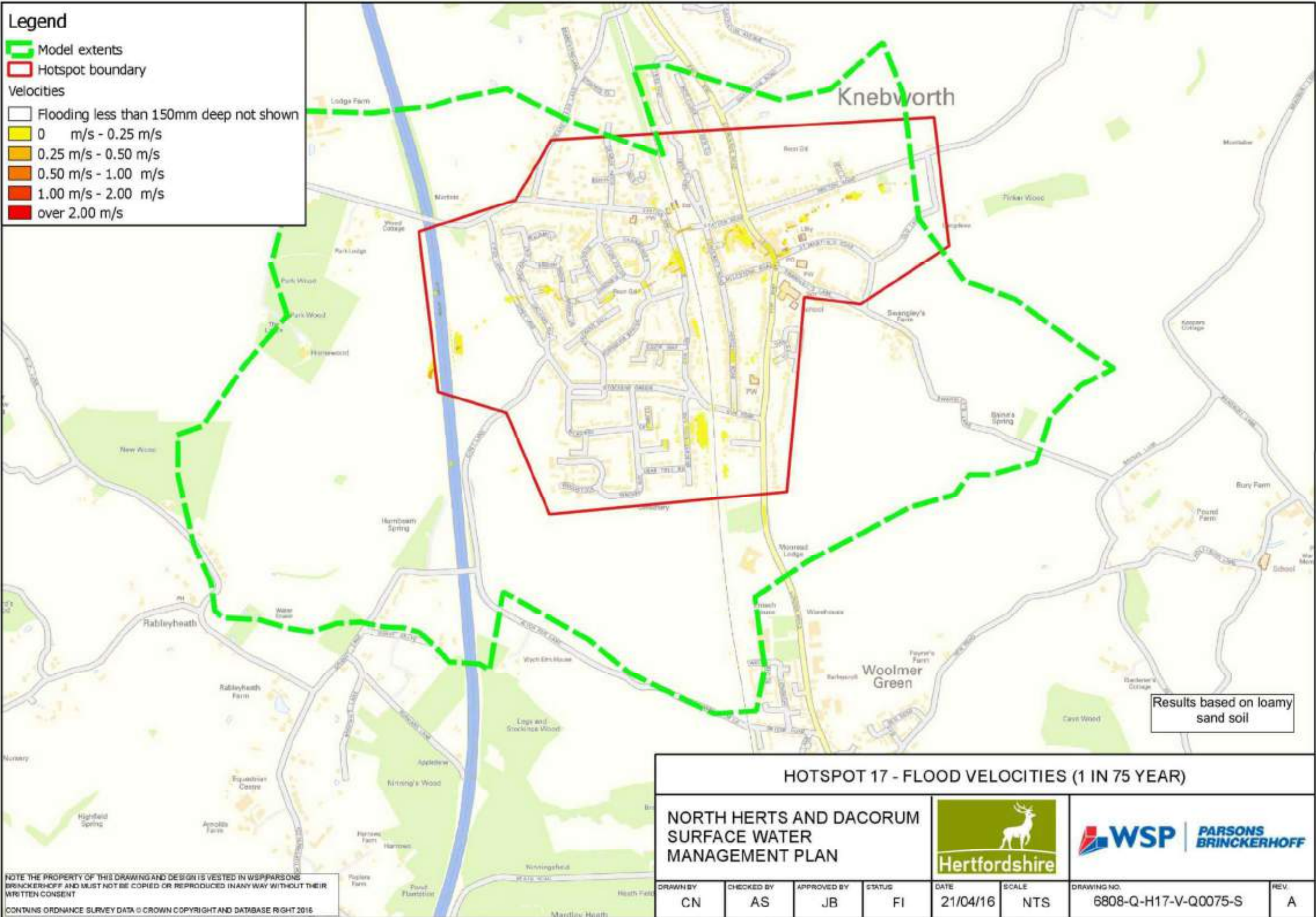
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extents
- Hotspot boundary

**Velocities**

- Flooding less than 150mm deep not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

Results based on loamy sand soil

**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 75 YEAR)**

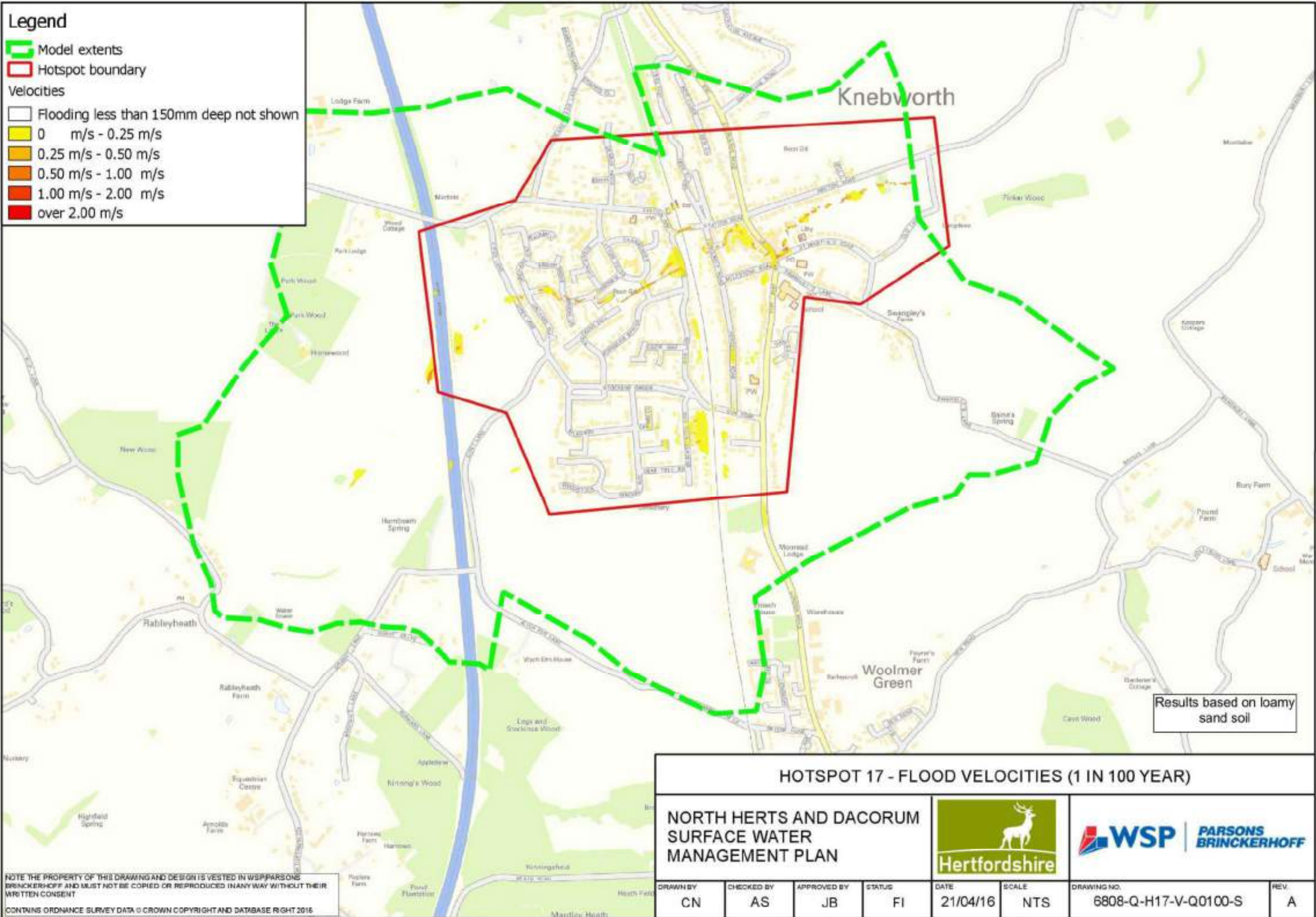
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- - - Model extents
- Hotspot boundary

**Velocities**

- Flooding less than 150mm deep not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

Results based on loamy sand soil

**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 100 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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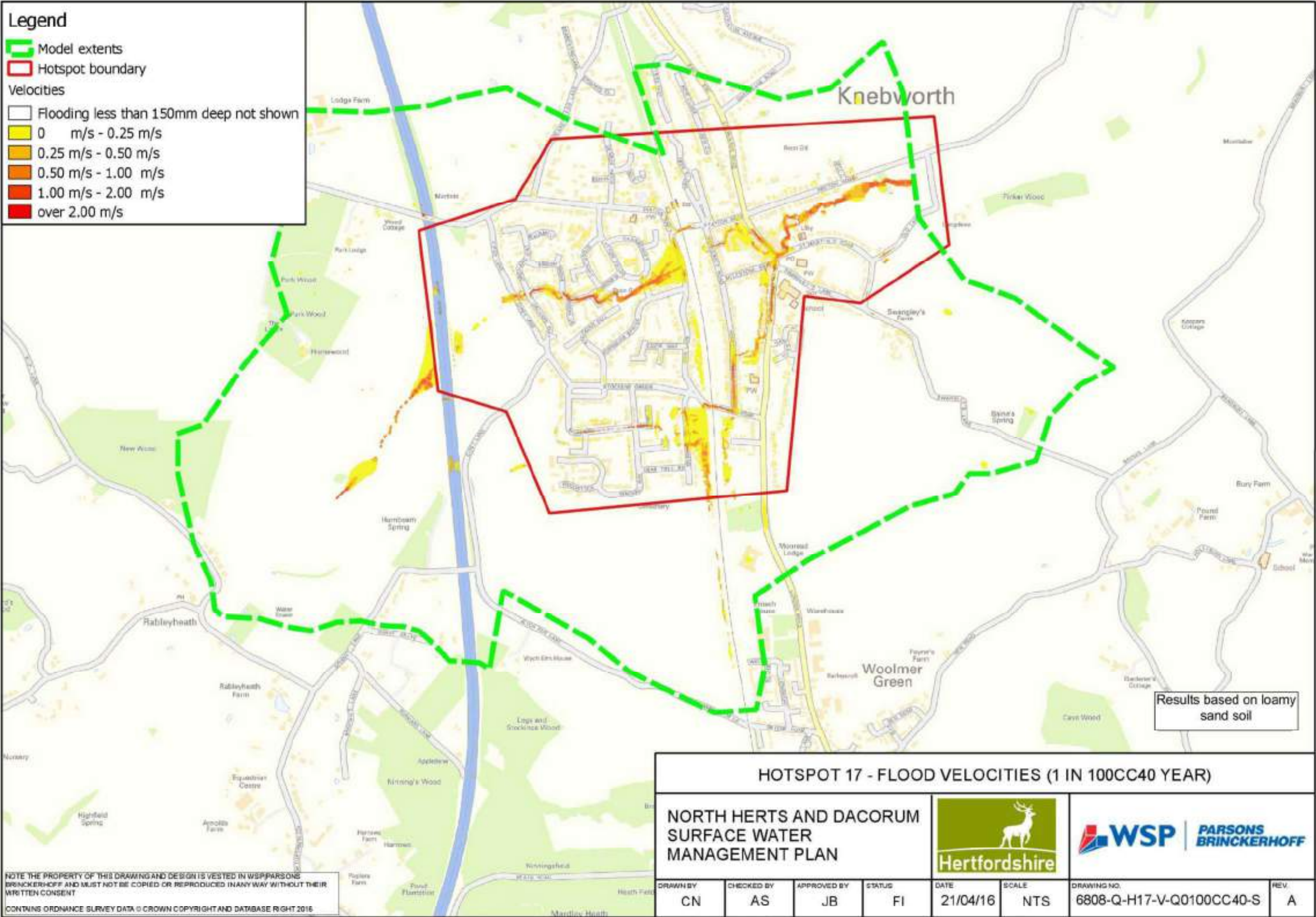


**Legend**

- Model extents
- Hotspot boundary

**Velocities**

- Flooding less than 150mm deep not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s



Results based on loamy sand soil

**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 100CC40 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**

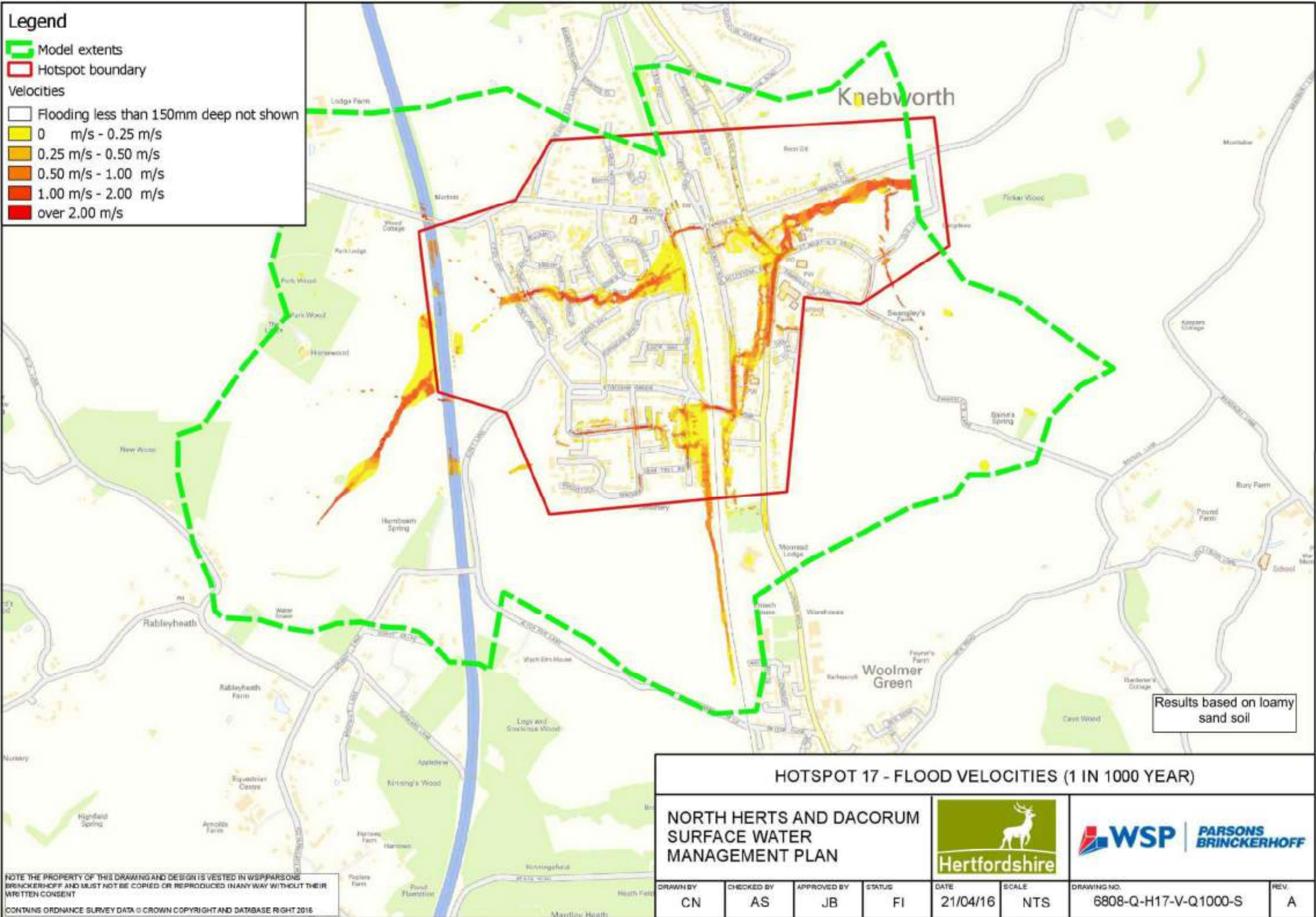


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**Legend**

- Model extents
- Hotspot boundary

**Velocities**

- Flooding less than 150mm deep not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

Results based on loamy sand soil

**HOTSPOT 17 - FLOOD VELOCITIES (1 IN 1000 YEAR)**

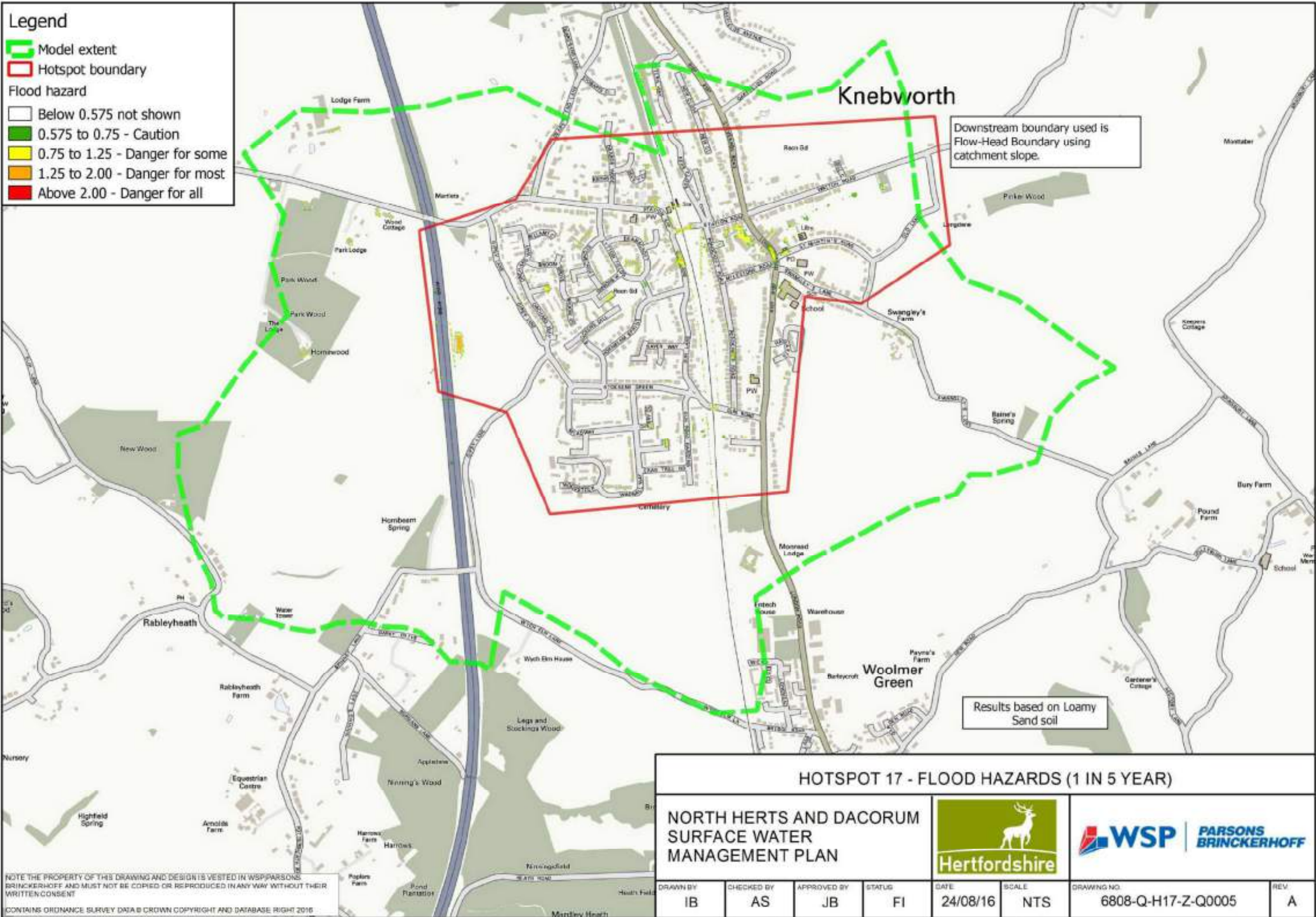
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



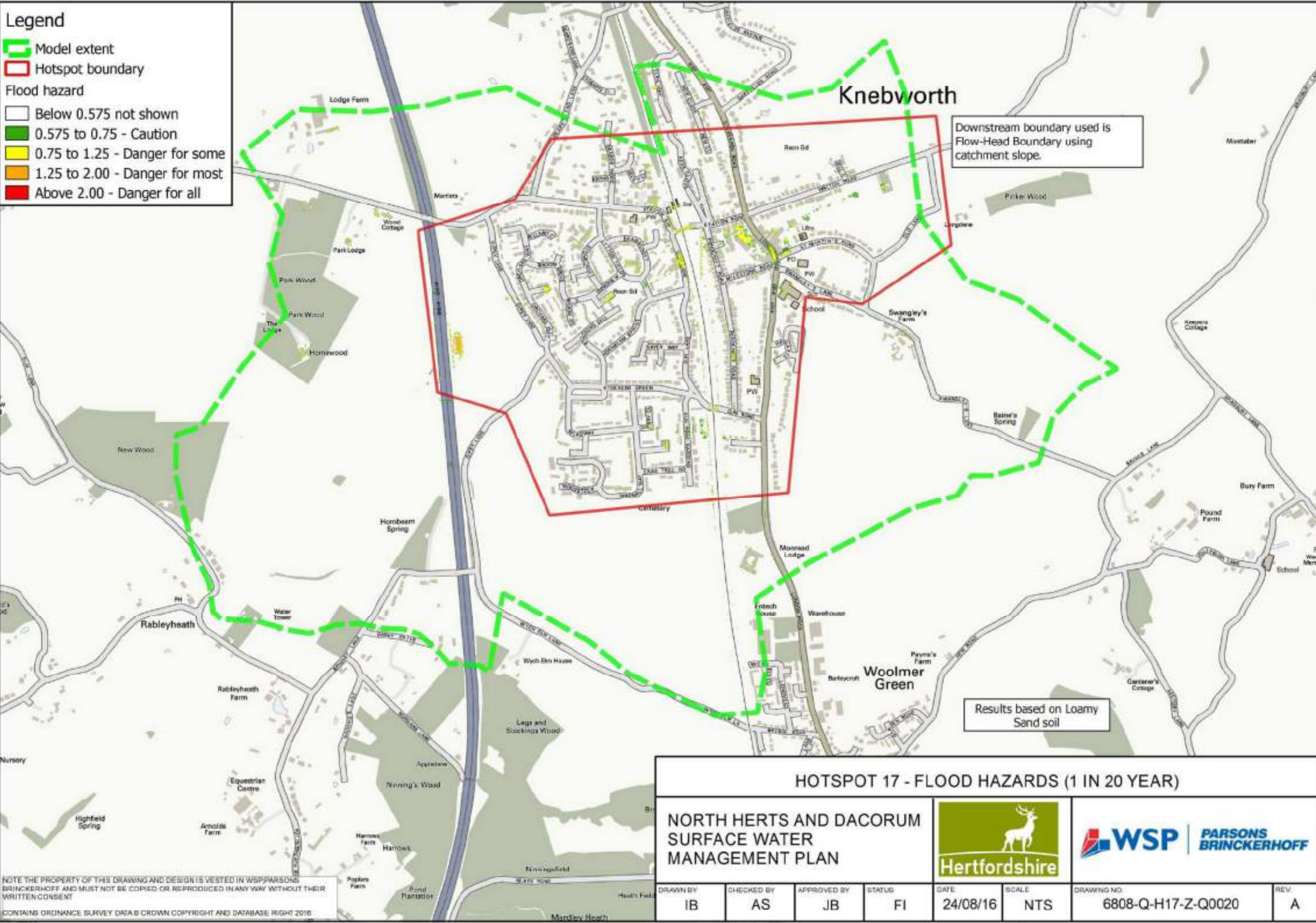
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**Legend**

- - - Model extent
- Hotspot boundary

**Flood hazard**

- Below 0.575 not shown
- 0.575 to 0.75 - Caution
- 0.75 to 1.25 - Danger for some
- 1.25 to 2.00 - Danger for most
- Above 2.00 - Danger for all

Downstream boundary used is Flow-Head Boundary using catchment slope.

Results based on Loamy Sand soil

**HOTSPOT 17 - FLOOD HAZARDS (1 IN 20 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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



DRAWN BY IB	CHECKED BY AS	APPROVED BY JB	STATUS FI	DATE 24/08/16	SCALE NTS	DRAWING NO. 6808-Q-H17-Z-Q0020	REV. A
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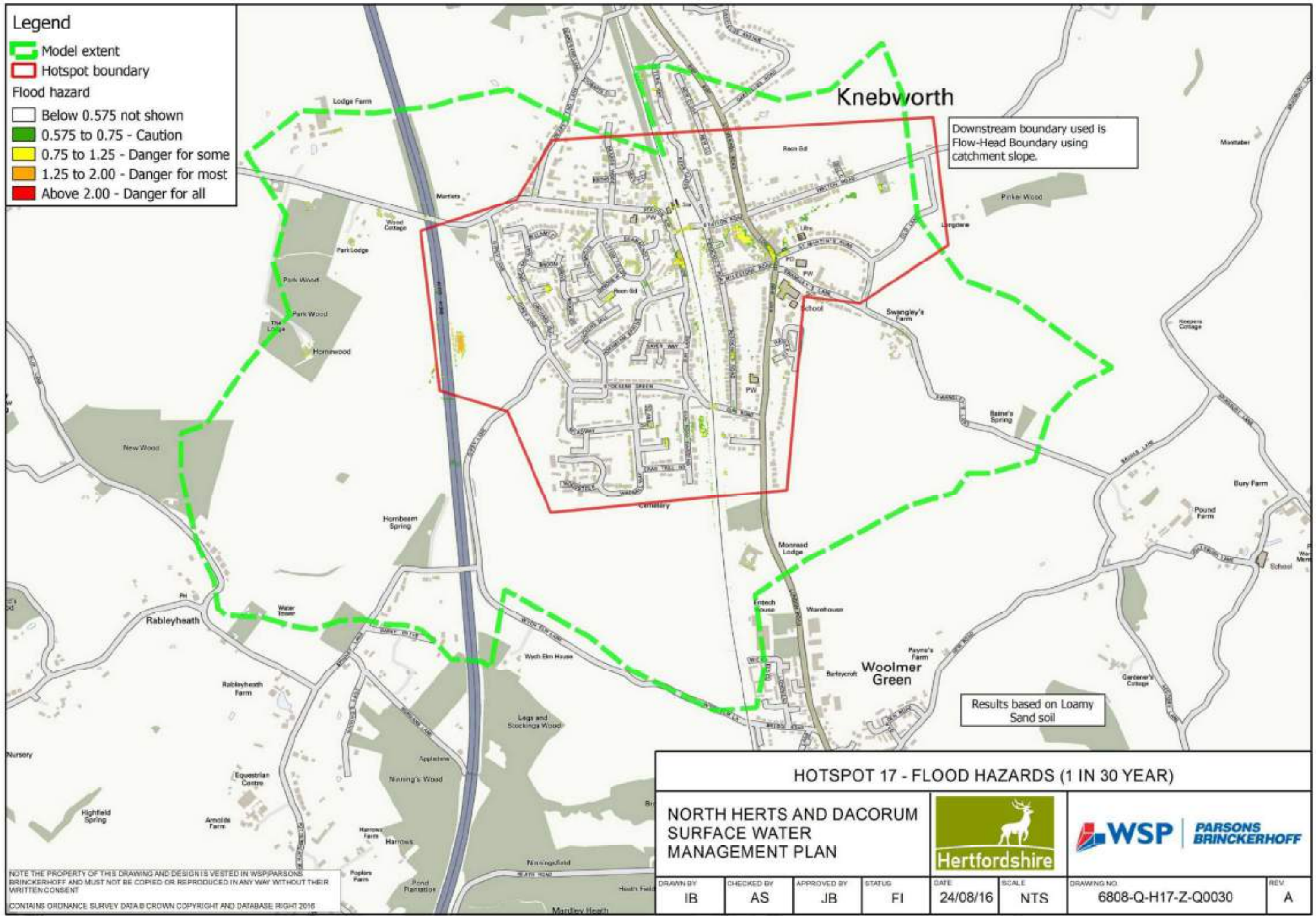


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



Downstream boundary used is Flow-Head Boundary using catchment slope.

Results based on Loamy Sand soil

**HOTSPOT 17 - FLOOD HAZARDS (1 IN 30 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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



DRAWN BY IB	CHECKED BY AS	APPROVED BY JB	STATUS FI	DATE 24/08/16	SCALE NTS	DRAWING NO. 6808-Q-H17-Z-Q0030	REV. A
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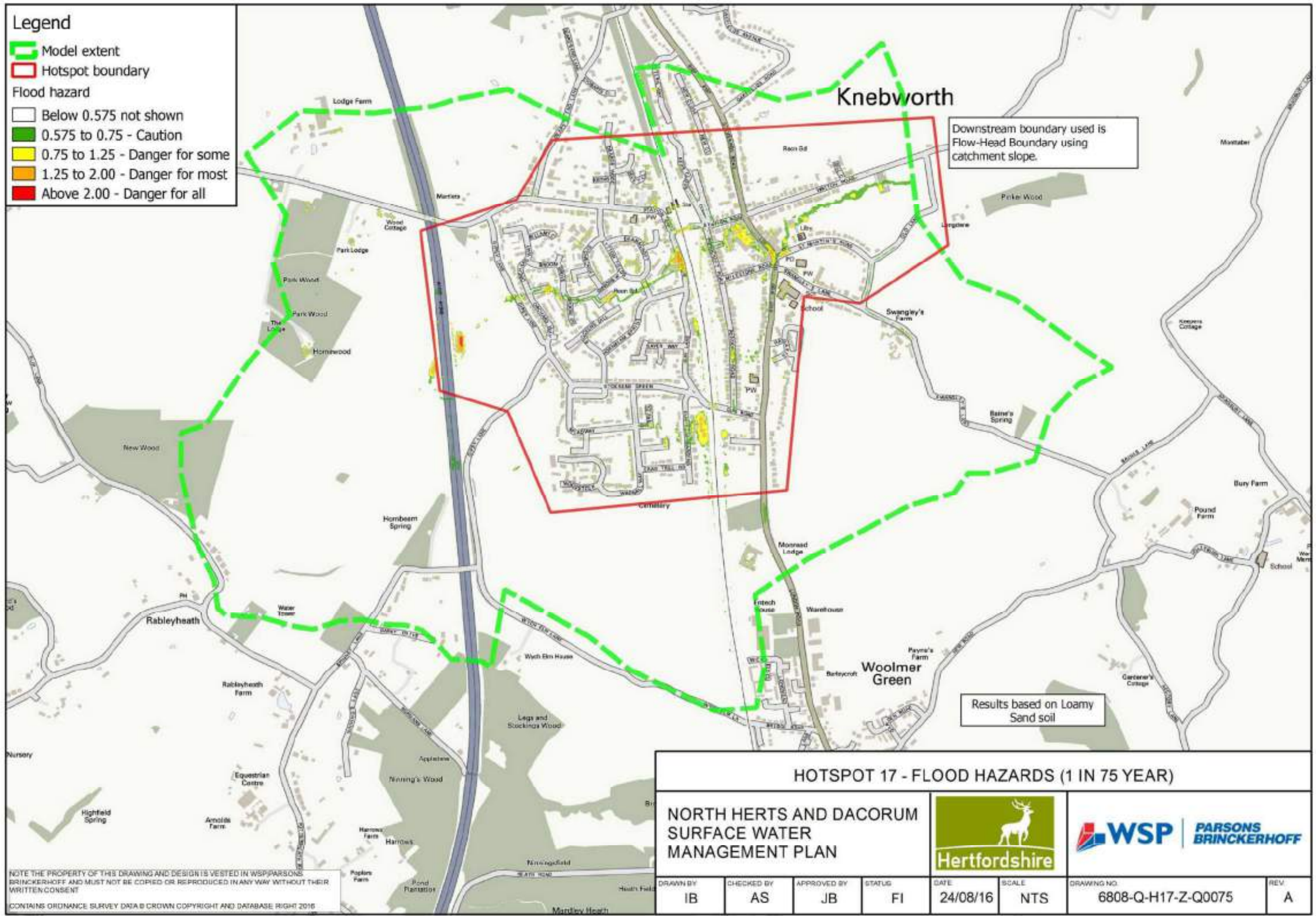


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



Downstream boundary used is Flow-Head Boundary using catchment slope.

Results based on Loamy Sand soil

**HOTSPOT 17 - FLOOD HAZARDS (1 IN 75 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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



DRAWN BY IB	CHECKED BY AS	APPROVED BY JB	STATUS FI	DATE 24/08/16	SCALE NTS	DRAWING NO. 6808-Q-H17-Z-Q0075	REV. A
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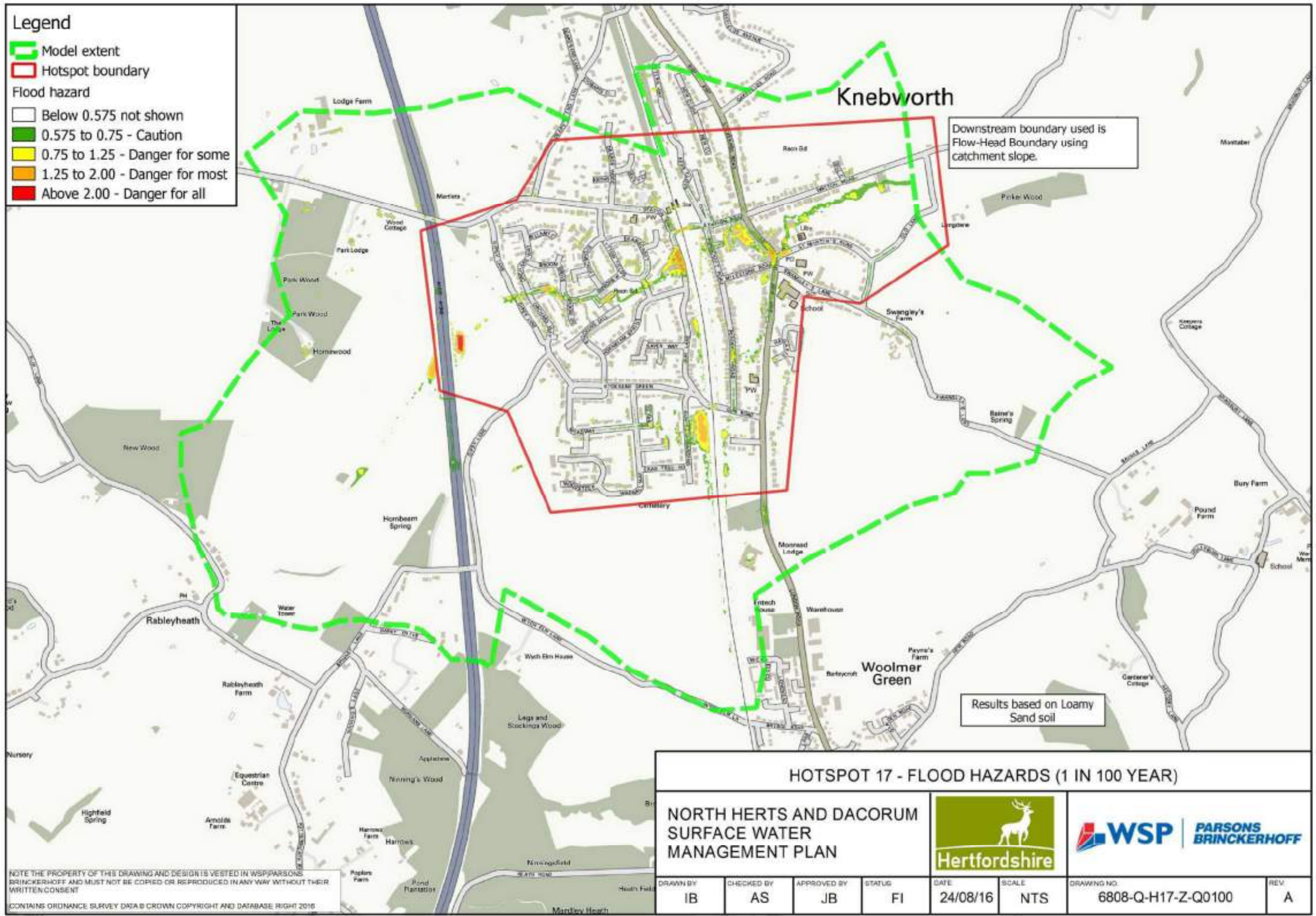


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



Downstream boundary used is Flow-Head Boundary using catchment slope.

Results based on Loamy Sand soil

**HOTSPOT 17 - FLOOD HAZARDS (1 IN 100 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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



DRAWN BY IB	CHECKED BY AS	APPROVED BY JB	STATUS FI	DATE 24/08/16	SCALE NTS	DRAWING NO. 6808-Q-H17-Z-Q0100	REV. A
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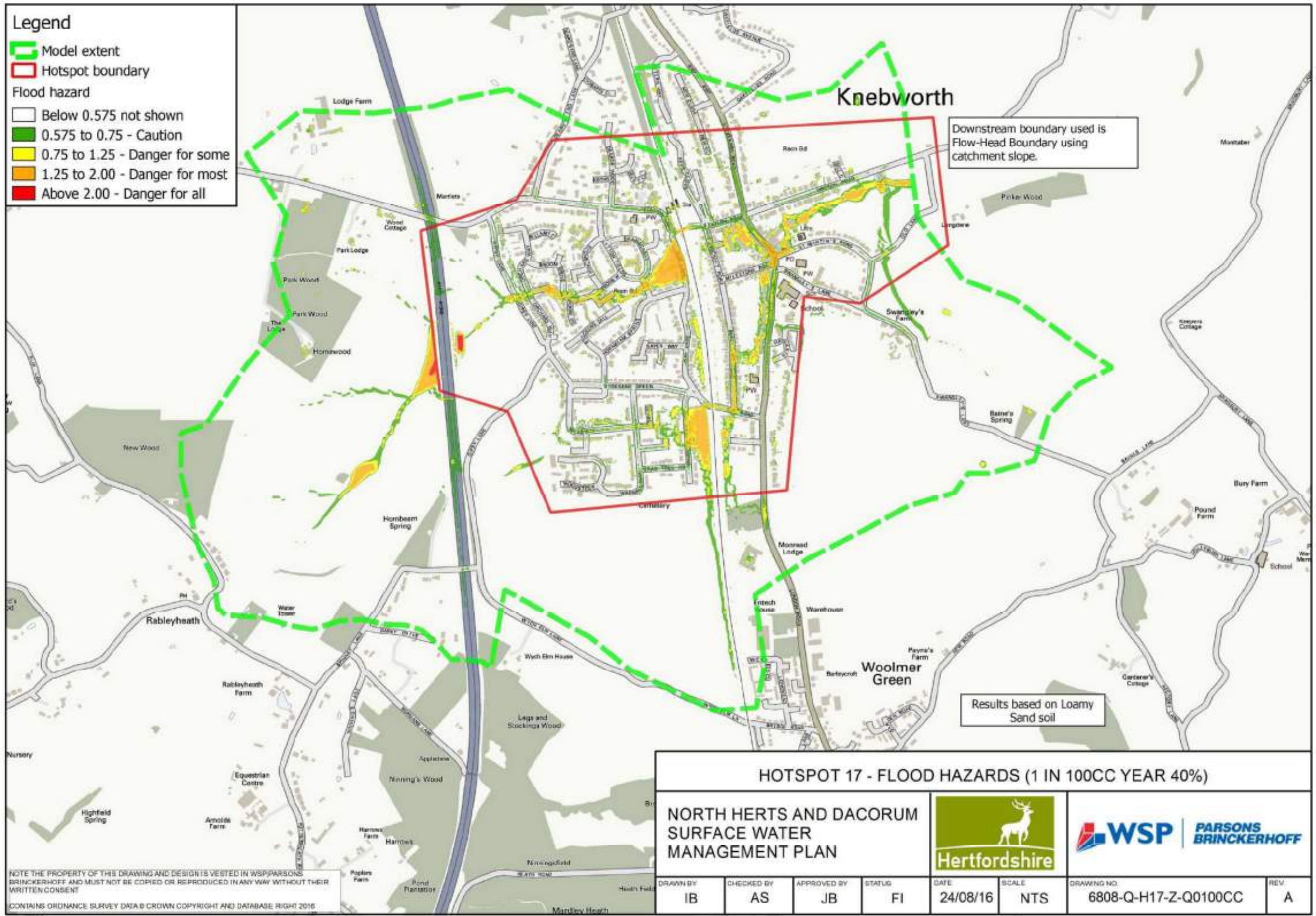


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



Downstream boundary used is Flow-Head Boundary using catchment slope.

Results based on Loamy Sand soil

**HOTSPOT 17 - FLOOD HAZARDS (1 IN 100CC YEAR 40%)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**




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




DRAWN BY IB	CHECKED BY AS	APPROVED BY JB	STATUS FI	DATE 24/08/16	SCALE NTS	DRAWING NO. 6808-Q-H17-Z-Q0100CC	REV. A
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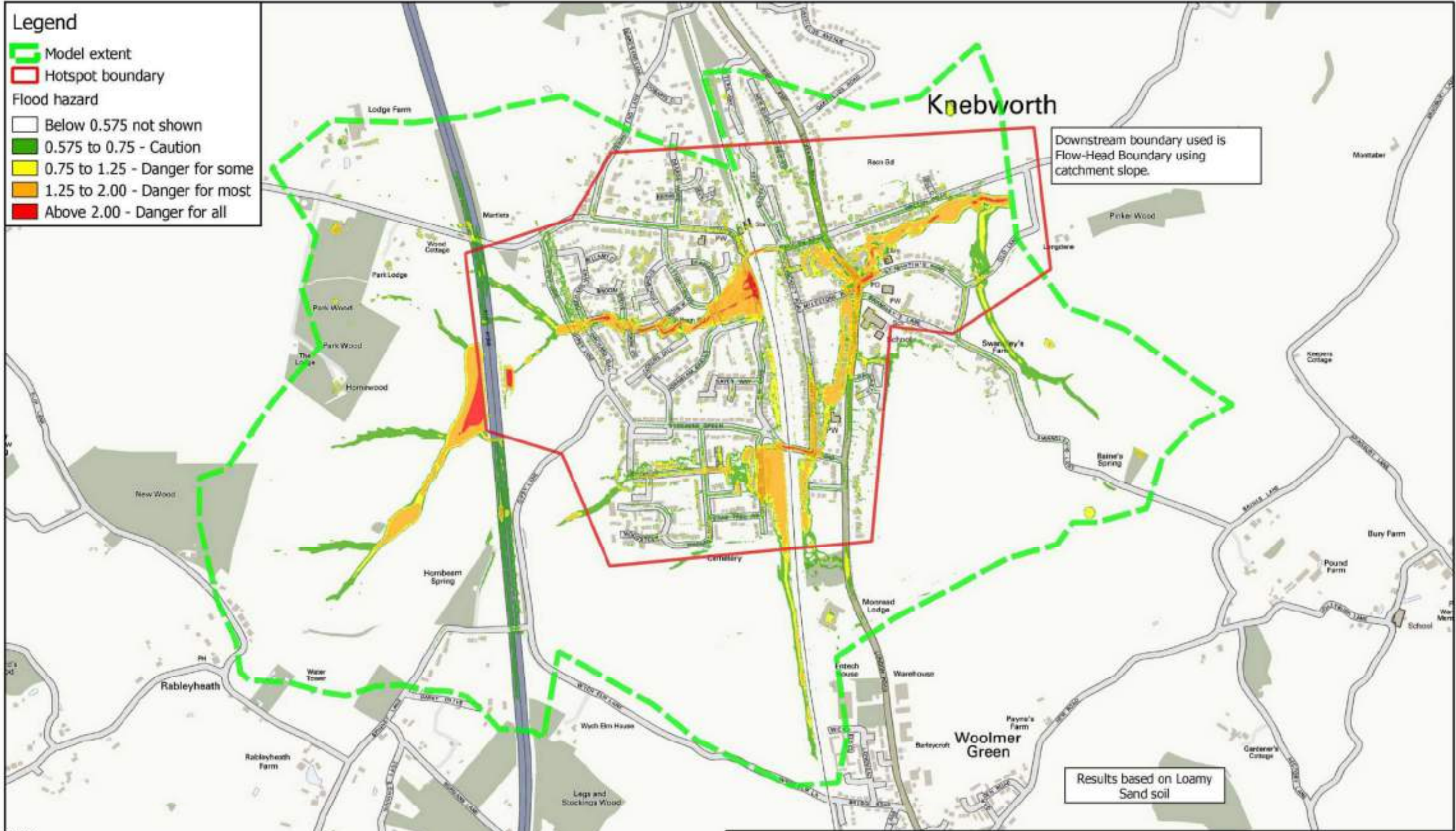


**Legend**

-  Model extent
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 17 - FLOOD HAZARDS (1 IN 1000 YEAR)**

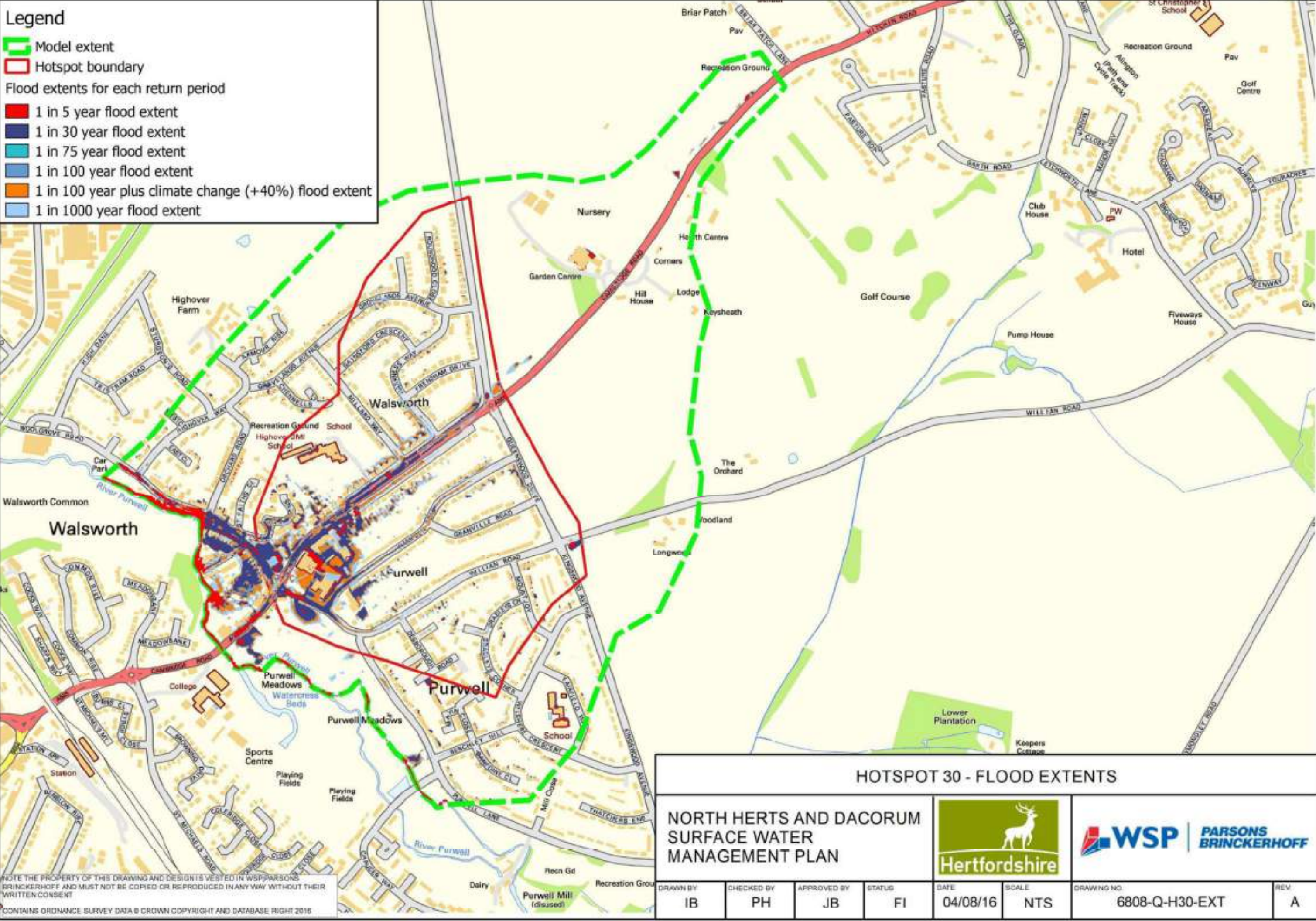
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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- Legend**
- Model extent
  - Hotspot boundary
- Flood extents for each return period
- █ 1 in 5 year flood extent
  - █ 1 in 30 year flood extent
  - █ 1 in 75 year flood extent
  - █ 1 in 100 year flood extent
  - █ 1 in 100 year plus climate change (+40%) flood extent
  - █ 1 in 1000 year flood extent

**HOTSPOT 30 - FLOOD EXTENTS**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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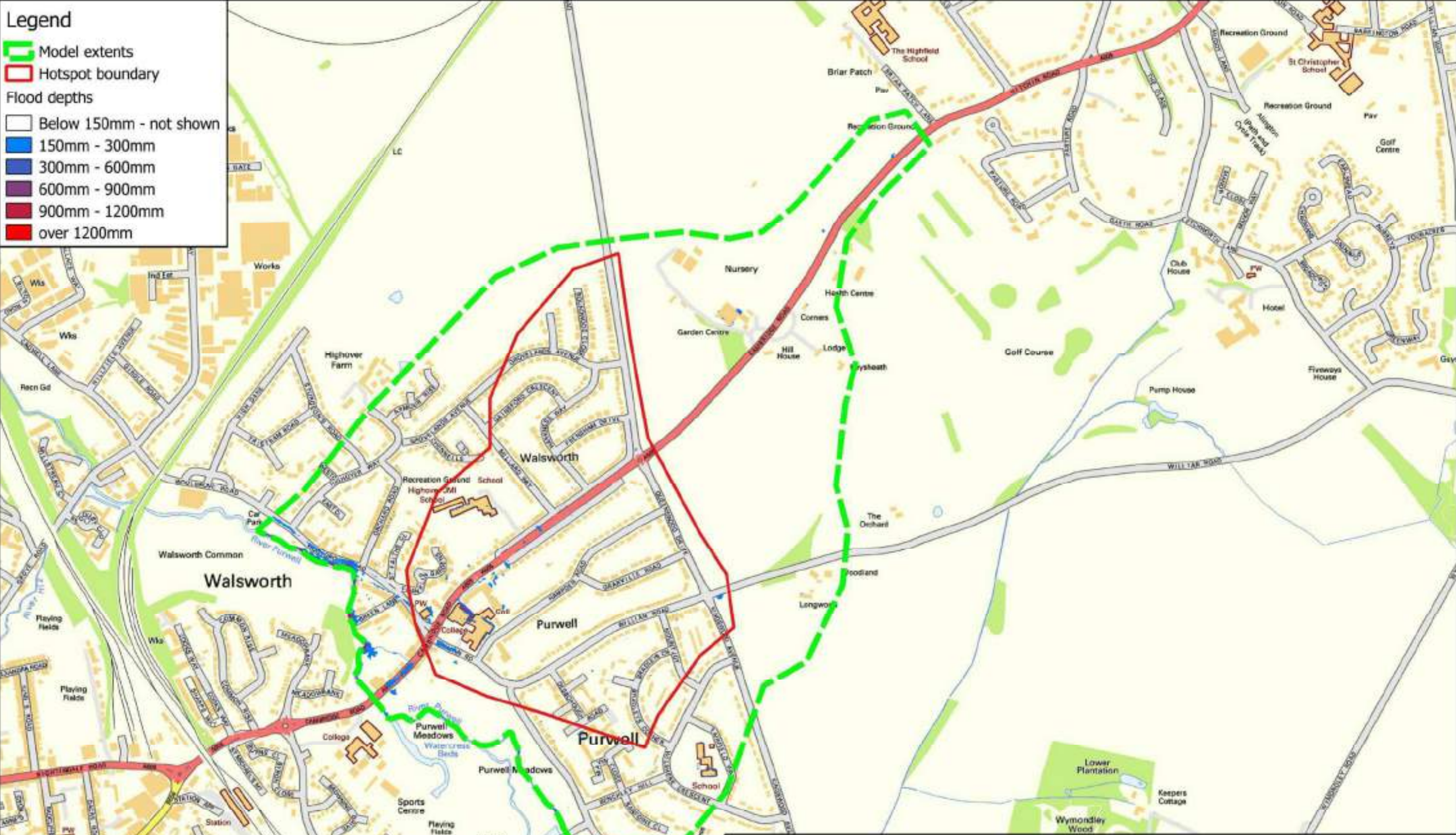


**Legend**

-  Model extents
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 30 - FLOOD DEPTHS (1 IN 5 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

-  Model extents
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 30 - FLOOD DEPTHS (1 IN 20 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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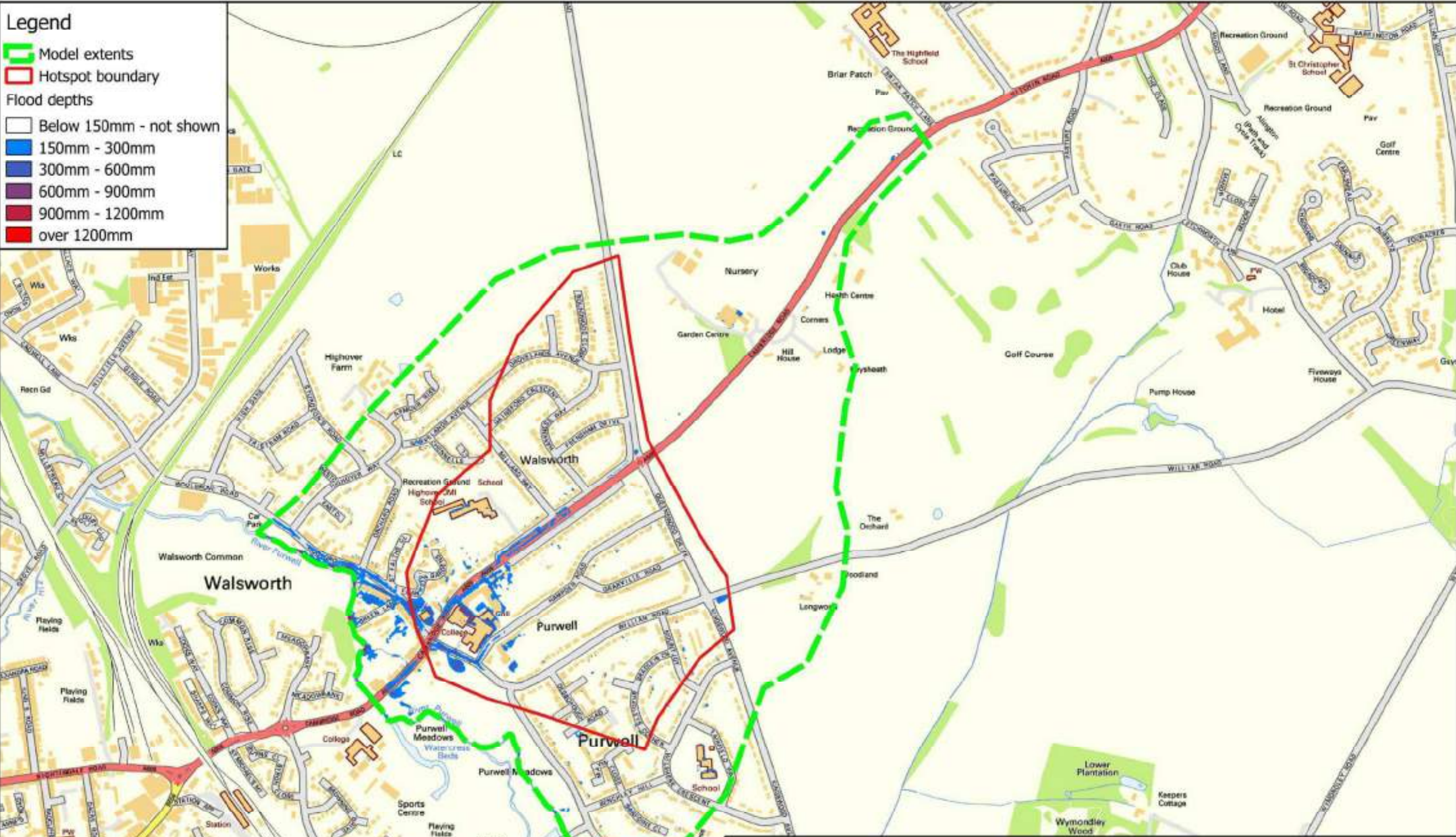


**Legend**

- Model extents
- Hotspot boundary

**Flood depths**

- Below 150mm - not shown
- 150mm - 300mm
- 300mm - 600mm
- 600mm - 900mm
- 900mm - 1200mm
- over 1200mm



**HOTSPOT 30 - FLOOD DEPTHS (1 IN 30 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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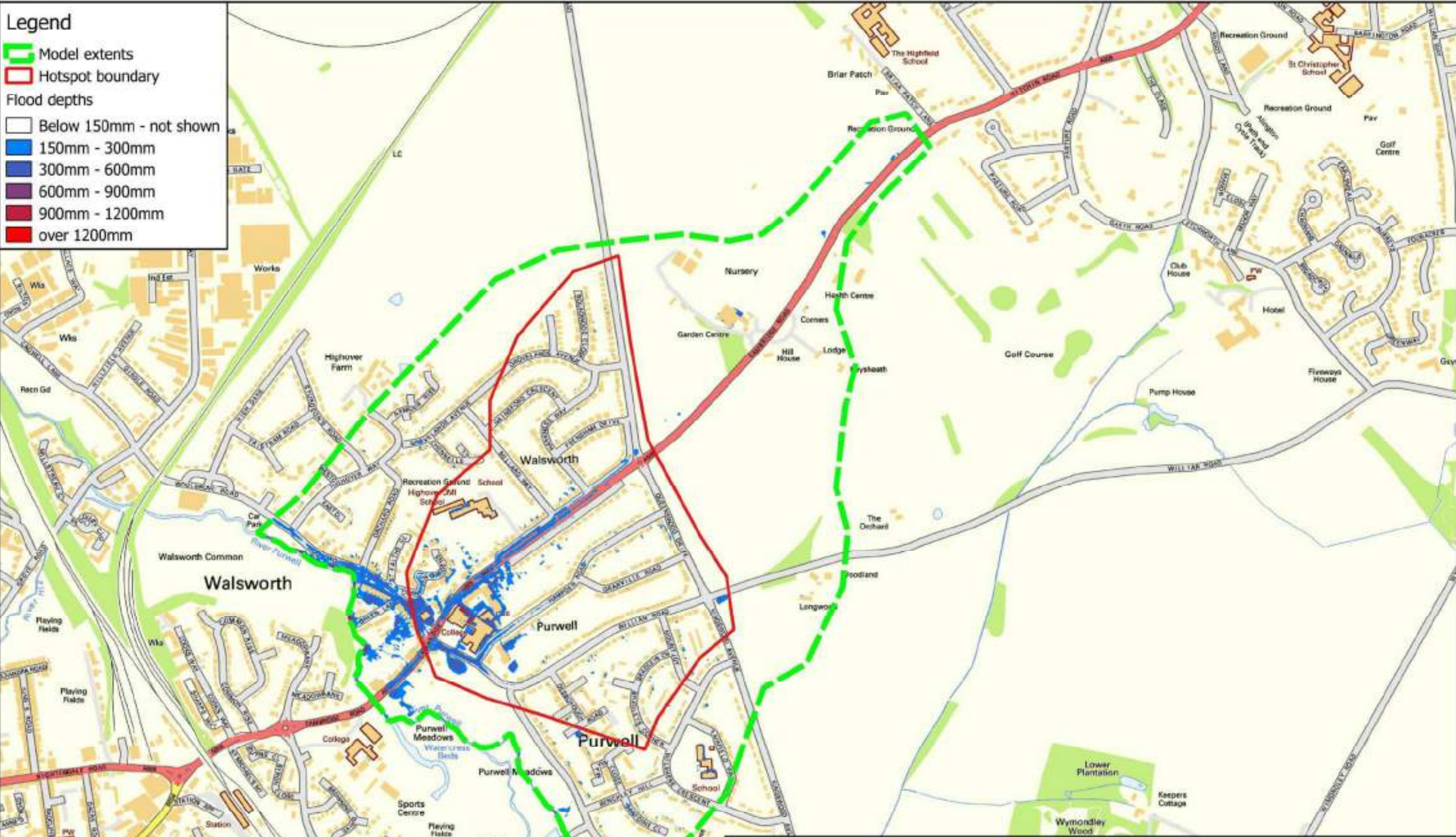


**Legend**

-  Model extents
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 30 - FLOOD DEPTHS (1 IN 75 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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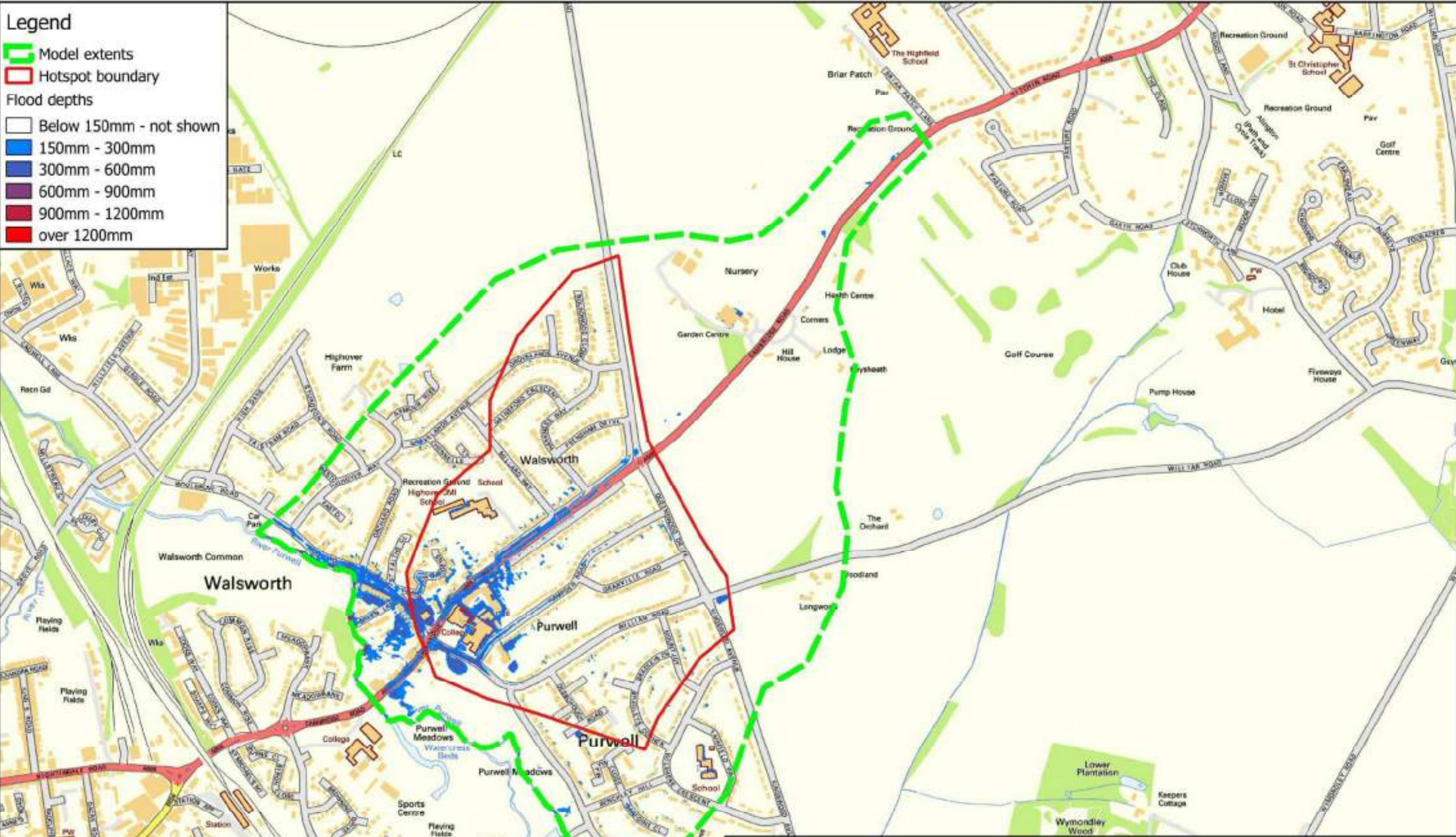


**Legend**

-  Model extents
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 30 - FLOOD DEPTHS (1 IN 100 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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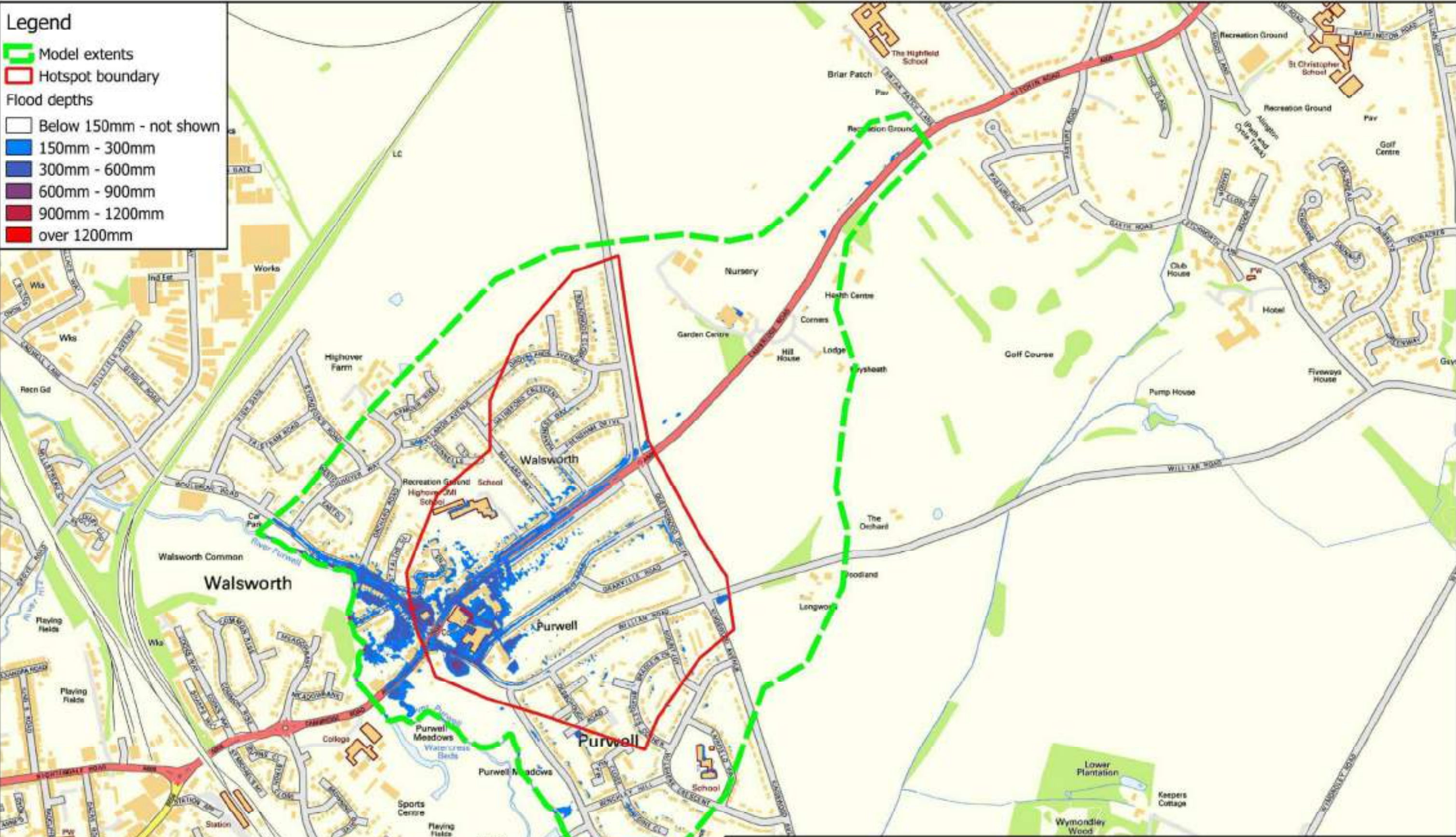


**Legend**

-  Model extents
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 30 - FLOOD DEPTHS (1 IN 100CC YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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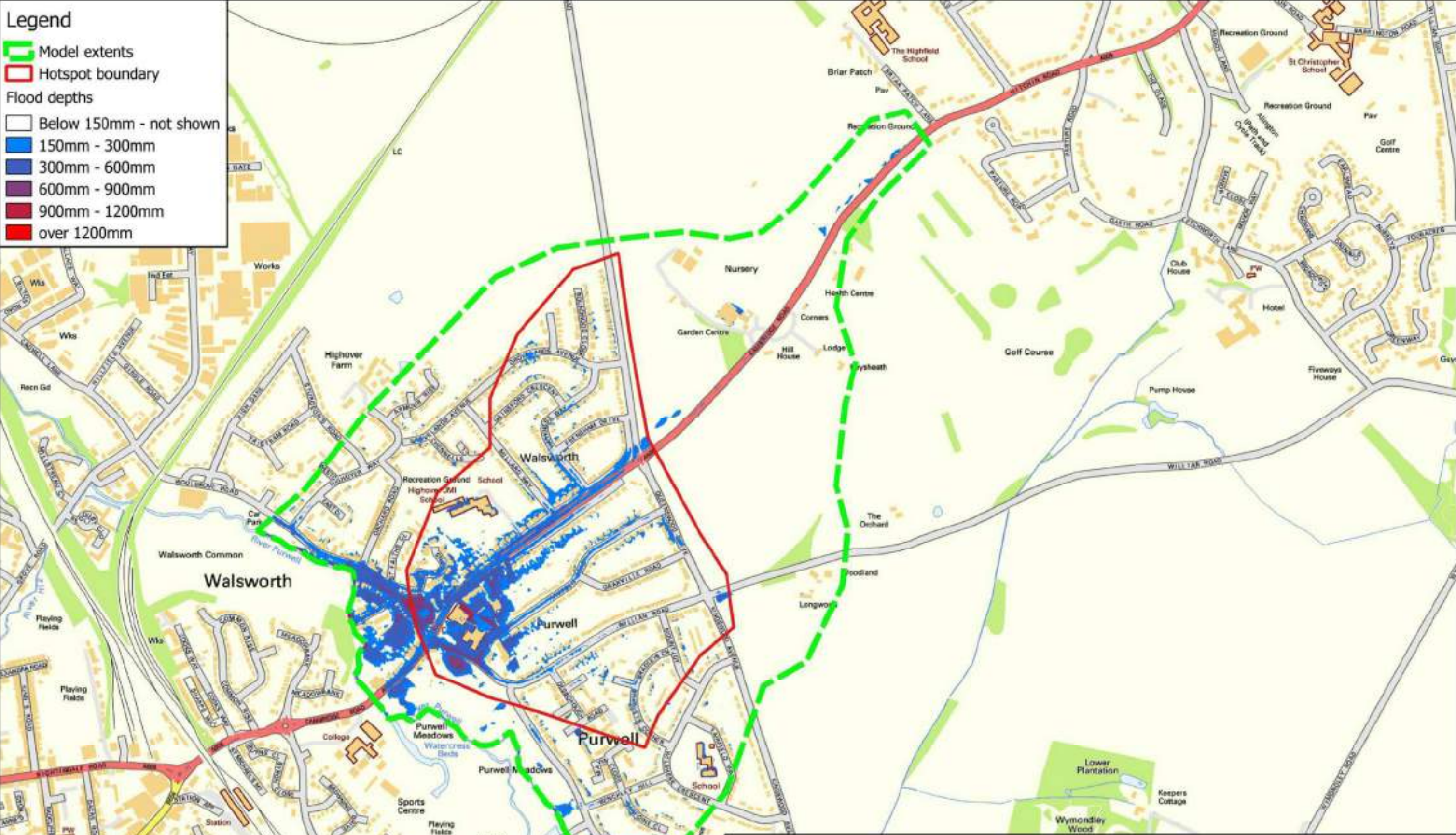


**Legend**

-  Model extents
-  Hotspot boundary

**Flood depths**

-  Below 150mm - not shown
-  150mm - 300mm
-  300mm - 600mm
-  600mm - 900mm
-  900mm - 1200mm
-  over 1200mm



**HOTSPOT 30 - FLOOD DEPTHS (1 IN 1000 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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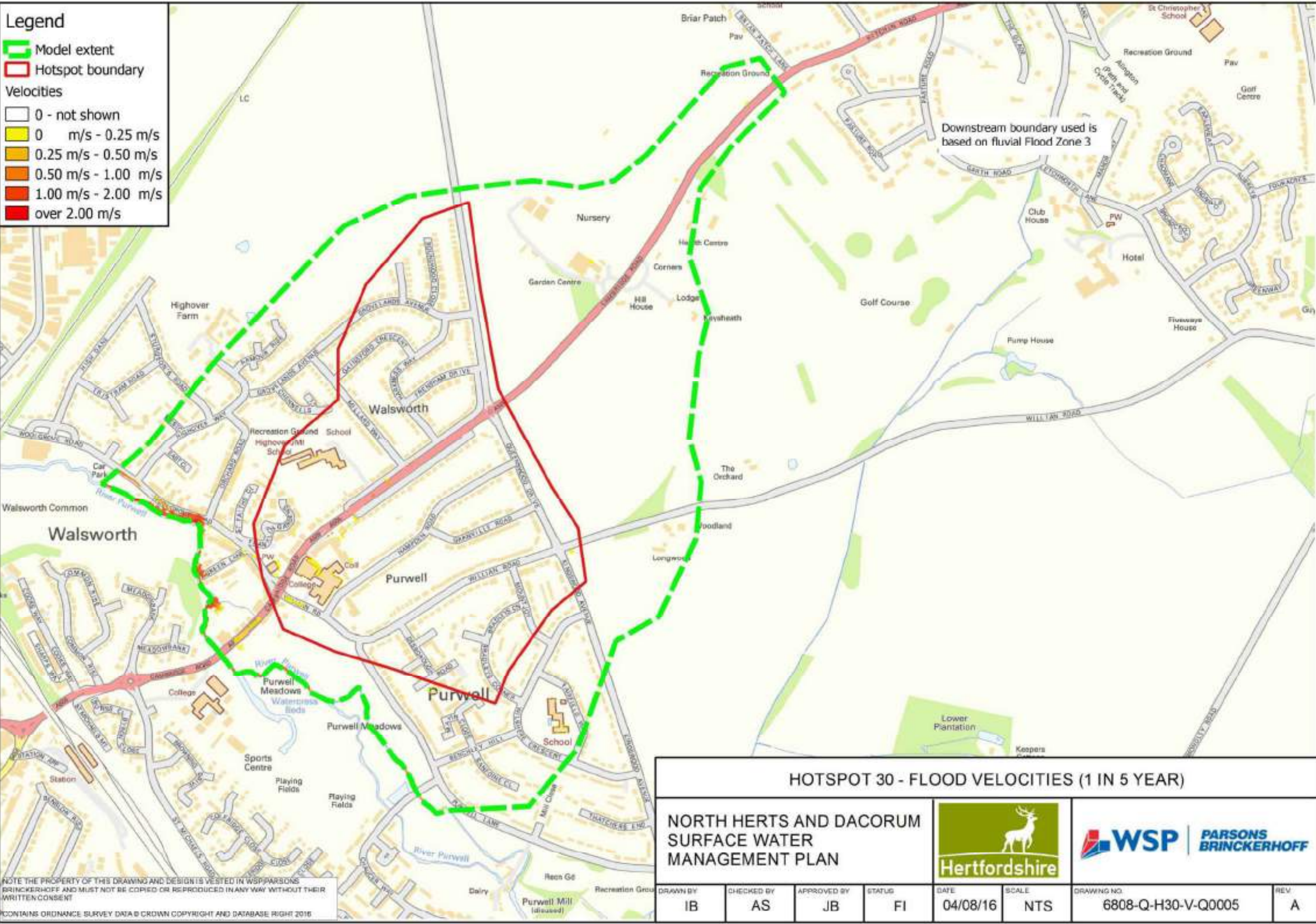


**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  0 - not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 30 - FLOOD VELOCITIES (1 IN 5 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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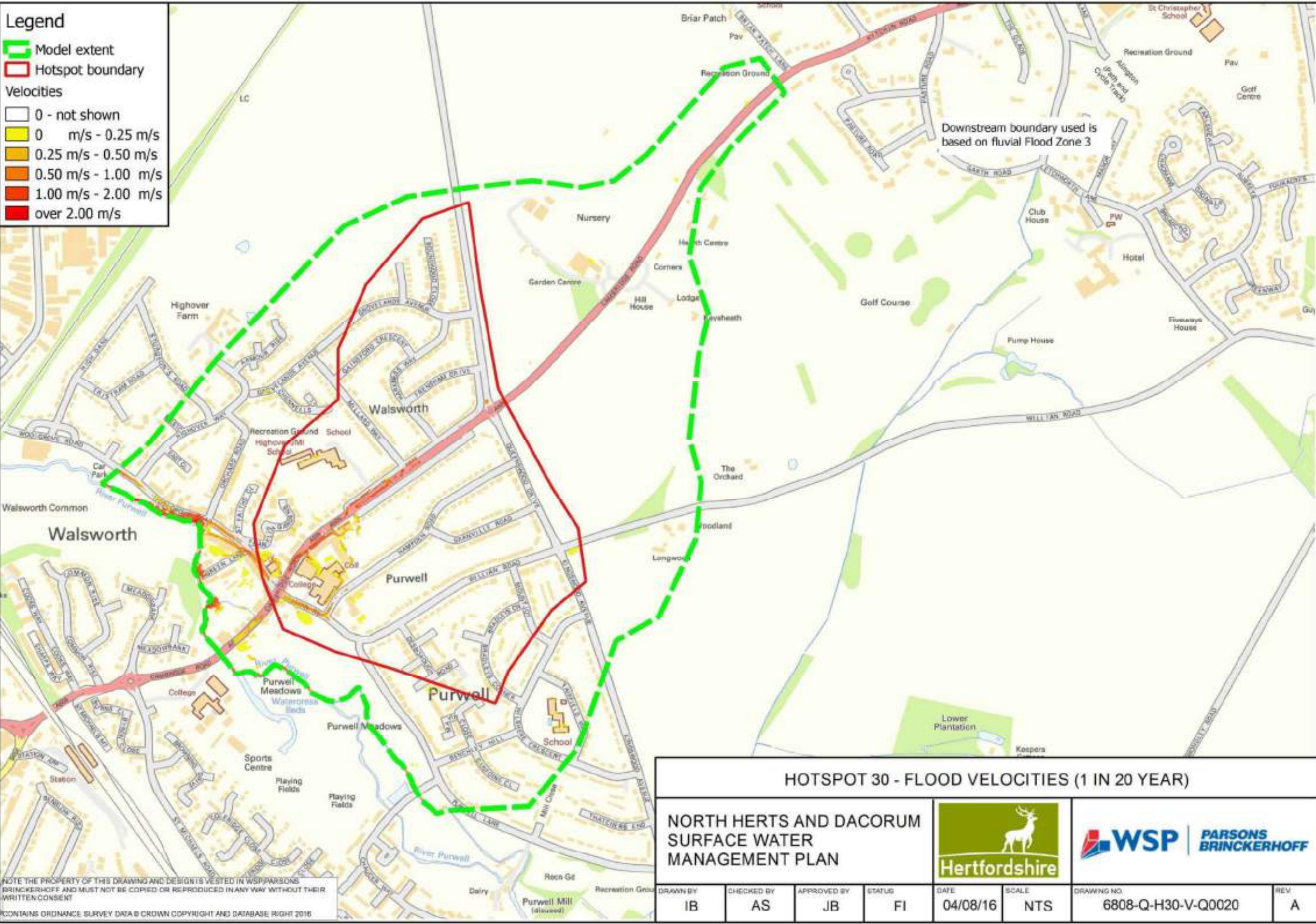


**Legend**

- Model extent
- Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s



**HOTSPOT 30 - FLOOD VELOCITIES (1 IN 20 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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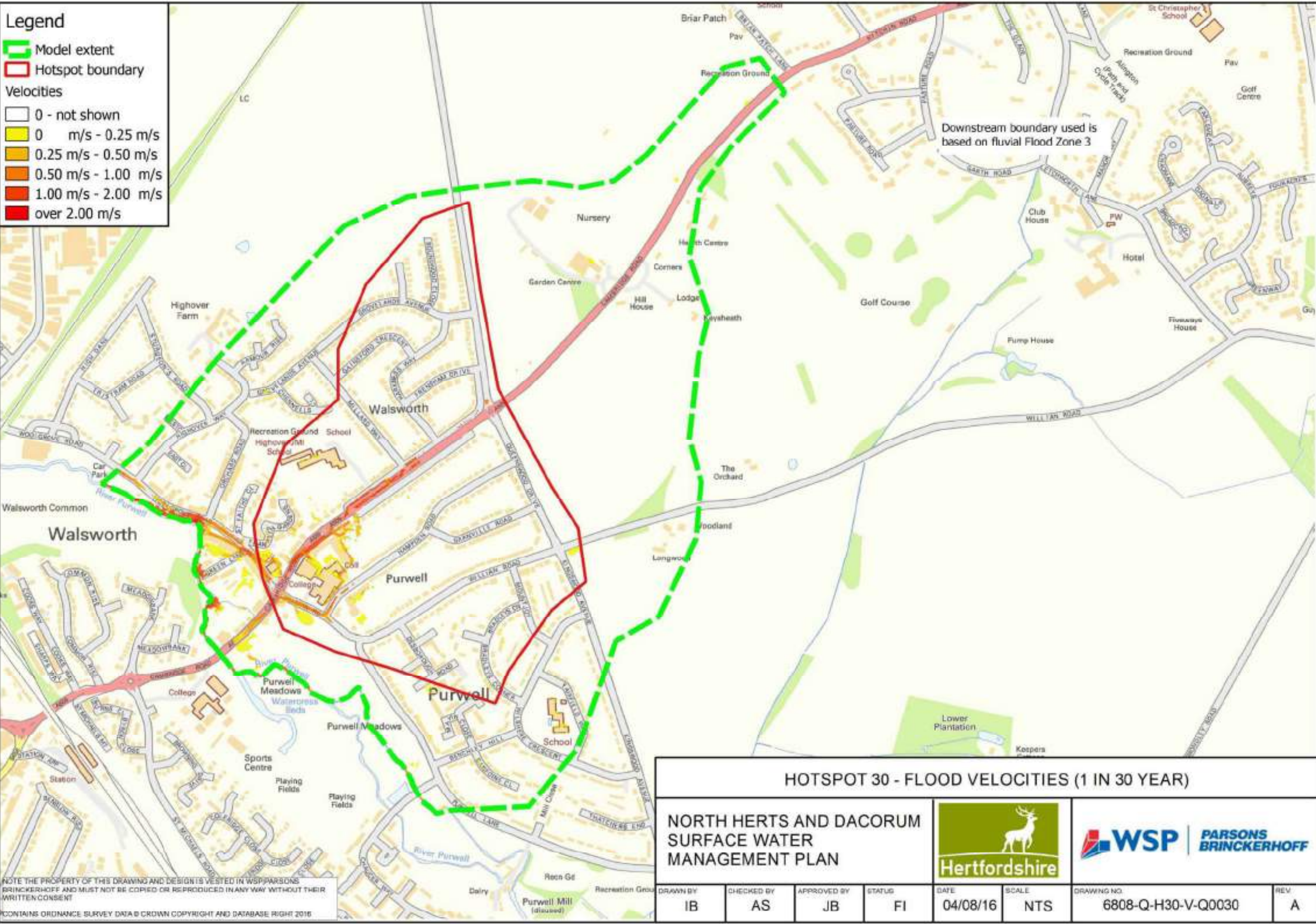


**Legend**

-  Model extent
-  Hotspot boundary

**Velocities**

-  0 - not shown
-  0 m/s - 0.25 m/s
-  0.25 m/s - 0.50 m/s
-  0.50 m/s - 1.00 m/s
-  1.00 m/s - 2.00 m/s
-  over 2.00 m/s



**HOTSPOT 30 - FLOOD VELOCITIES (1 IN 30 YEAR)**

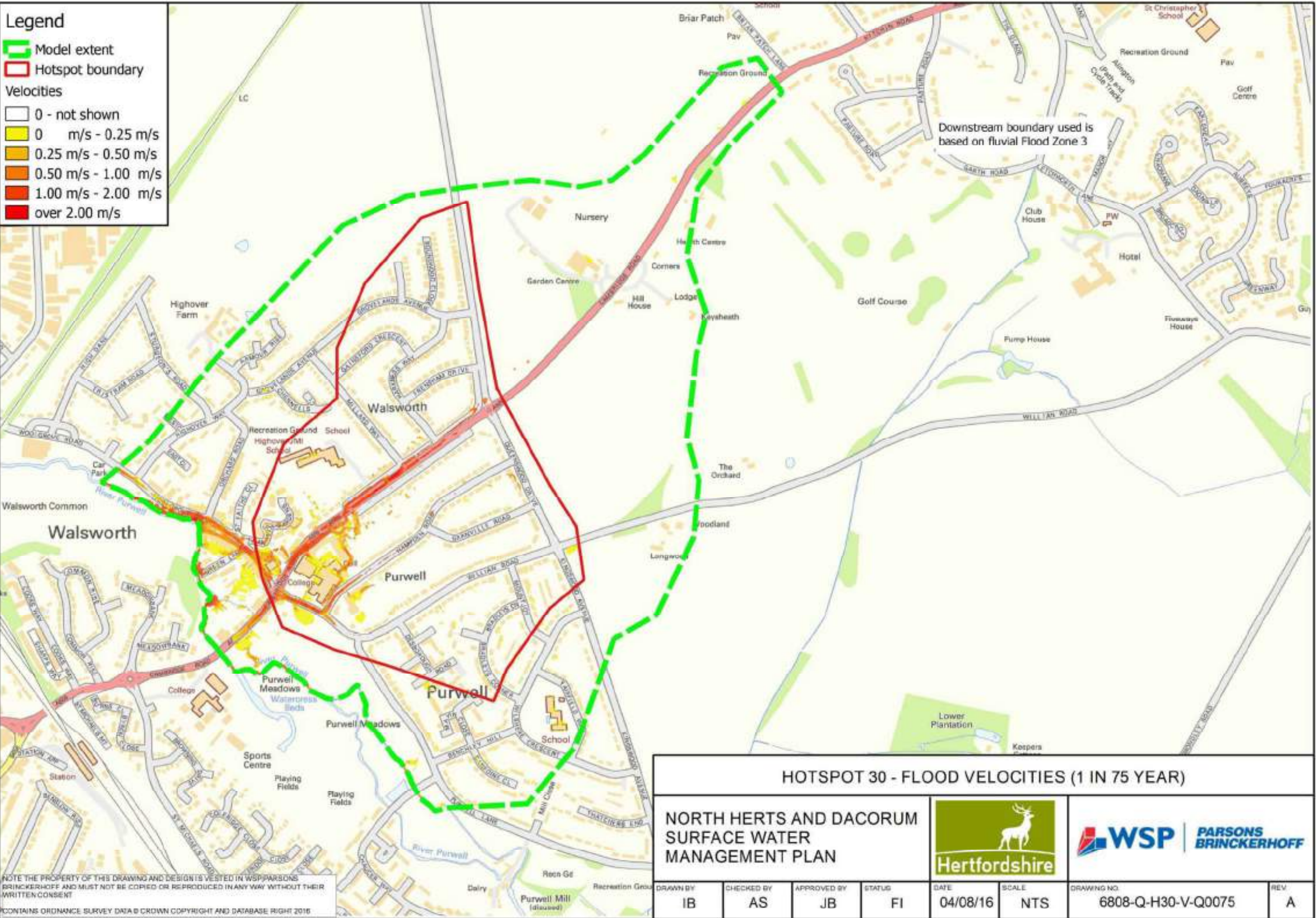
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extent
- Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

Downstream boundary used is based on fluvial Flood Zone 3

**HOTSPOT 30 - FLOOD VELOCITIES (1 IN 75 YEAR)**

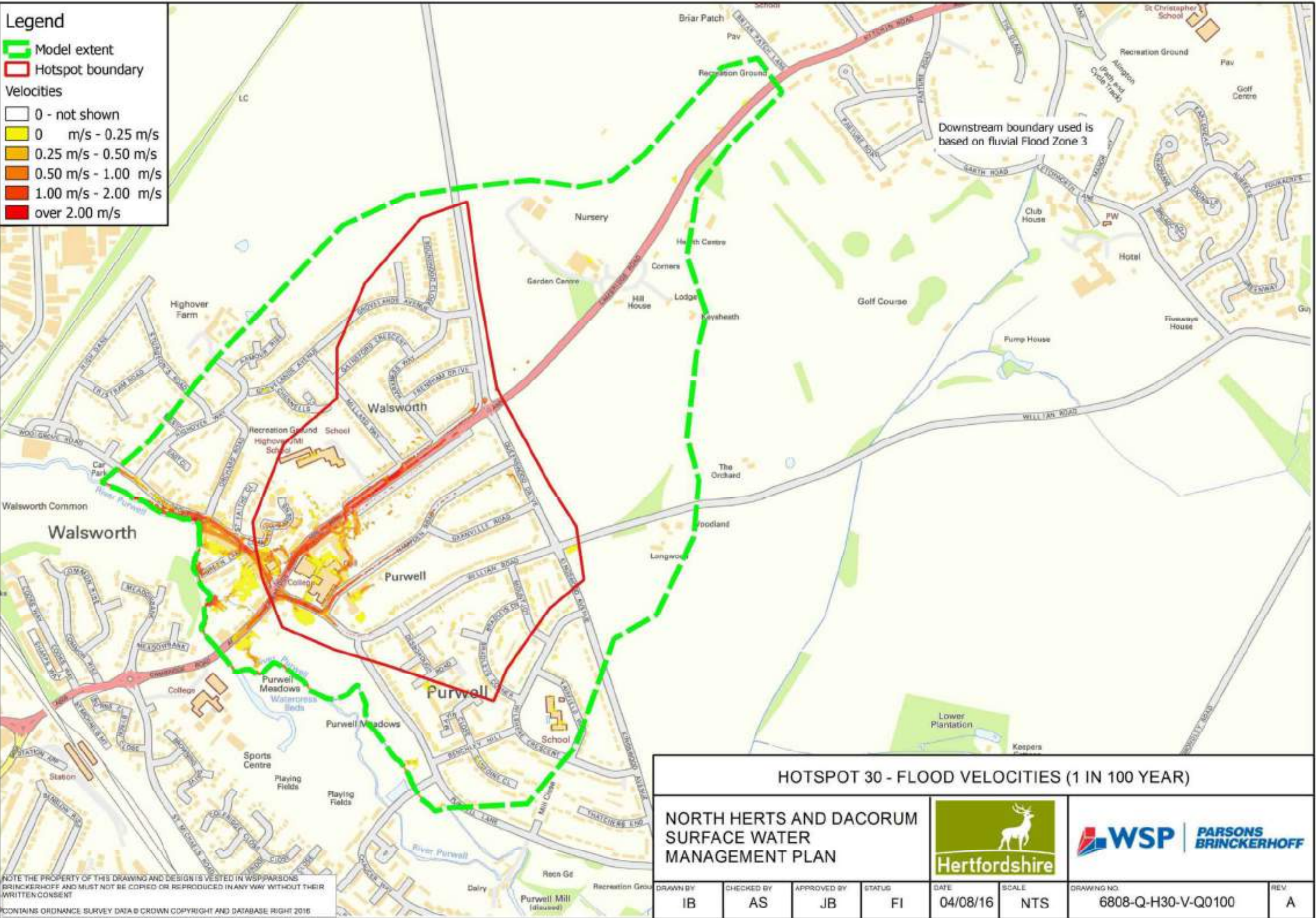
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extent
- Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

Downstream boundary used is based on fluvial Flood Zone 3

**HOTSPOT 30 - FLOOD VELOCITIES (1 IN 100 YEAR)**

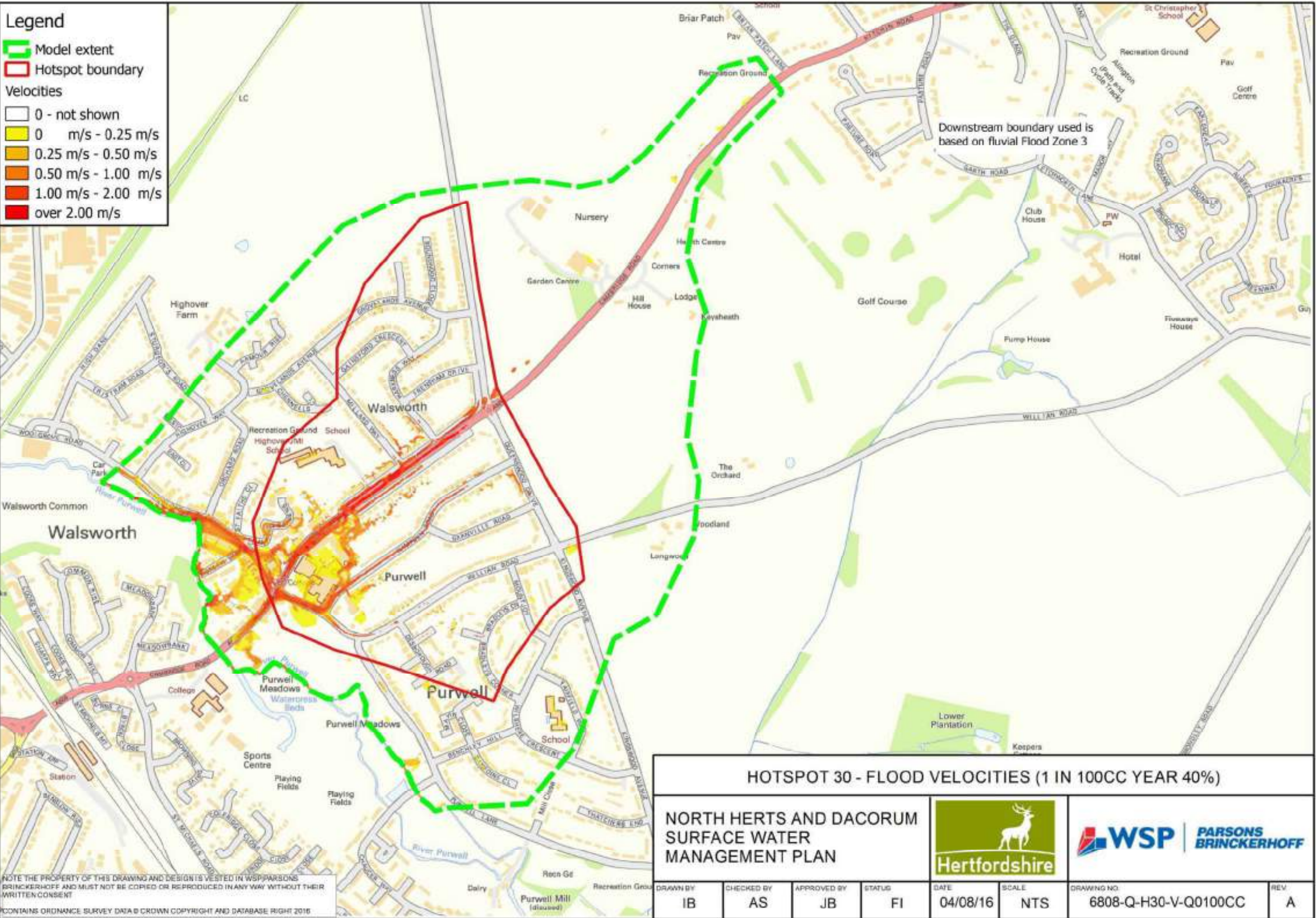
**NORTH HERTS AND DACORUM SURFACE WATER MANAGEMENT PLAN**



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**Legend**

- - - Model extent
- - - Hotspot boundary

**Velocities**

- 0 - not shown
- 0 m/s - 0.25 m/s
- 0.25 m/s - 0.50 m/s
- 0.50 m/s - 1.00 m/s
- 1.00 m/s - 2.00 m/s
- over 2.00 m/s

Downstream boundary used is based on fluvial Flood Zone 3

**HOTSPOT 30 - FLOOD VELOCITIES (1 IN 100CC YEAR 40%)**

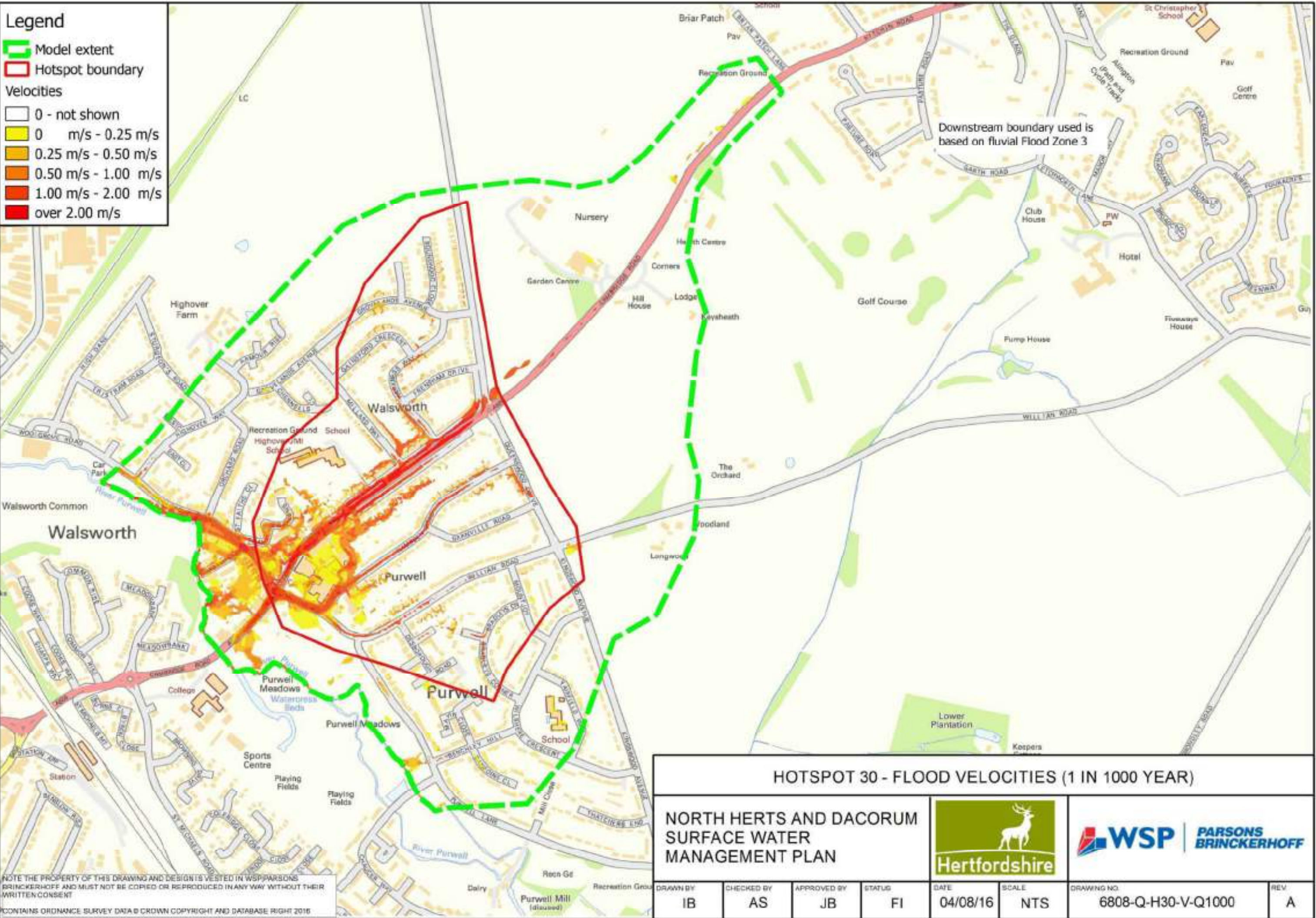
**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

-  Model extents
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 30 - FLOOD HAZARD (1 IN 5 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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**Legend**

- Model extents
- Hotspot boundary

**Flood hazard**

- Below 0.575 not shown
- 0.575 to 0.75 - Caution
- 0.75 to 1.25 - Danger for some
- 1.25 to 2.00 - Danger for most
- Above 2.00 - Danger for all



**HOTSPOT 30 - FLOOD HAZARD (1 IN 20 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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**Legend**

-  Model extents
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 30 - FLOOD HAZARD (1 IN 30 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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




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**Legend**

-  Model extents
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 30 - FLOOD HAZARD (1 IN 75 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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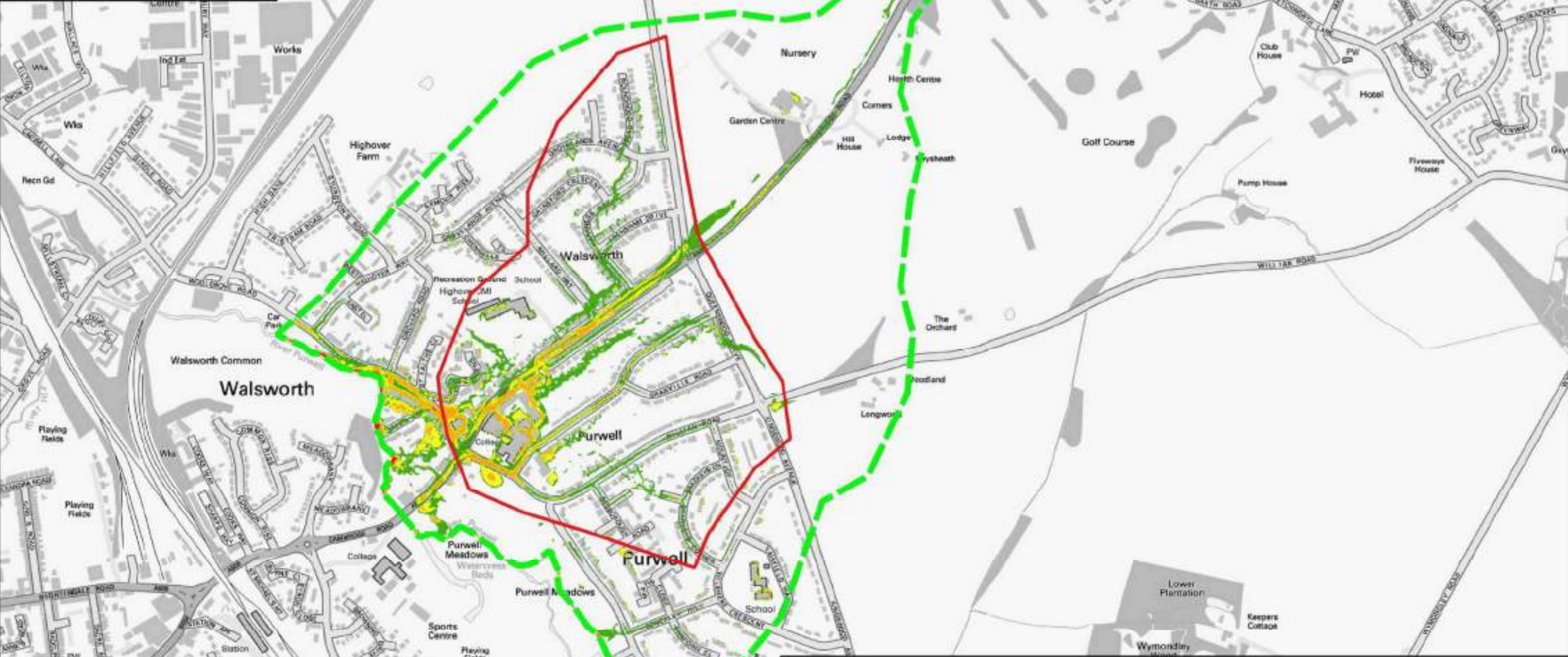


**Legend**

-  Model extents
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



**HOTSPOT 30 - FLOOD HAZARD (1 IN 100 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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




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**Legend**

-  Model extents
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



Downstream boundary used is based on fluvial Flood Zone 3

**HOTSPOT 30 - FLOOD HAZARD (1 IN 100CC YEAR 40%)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**





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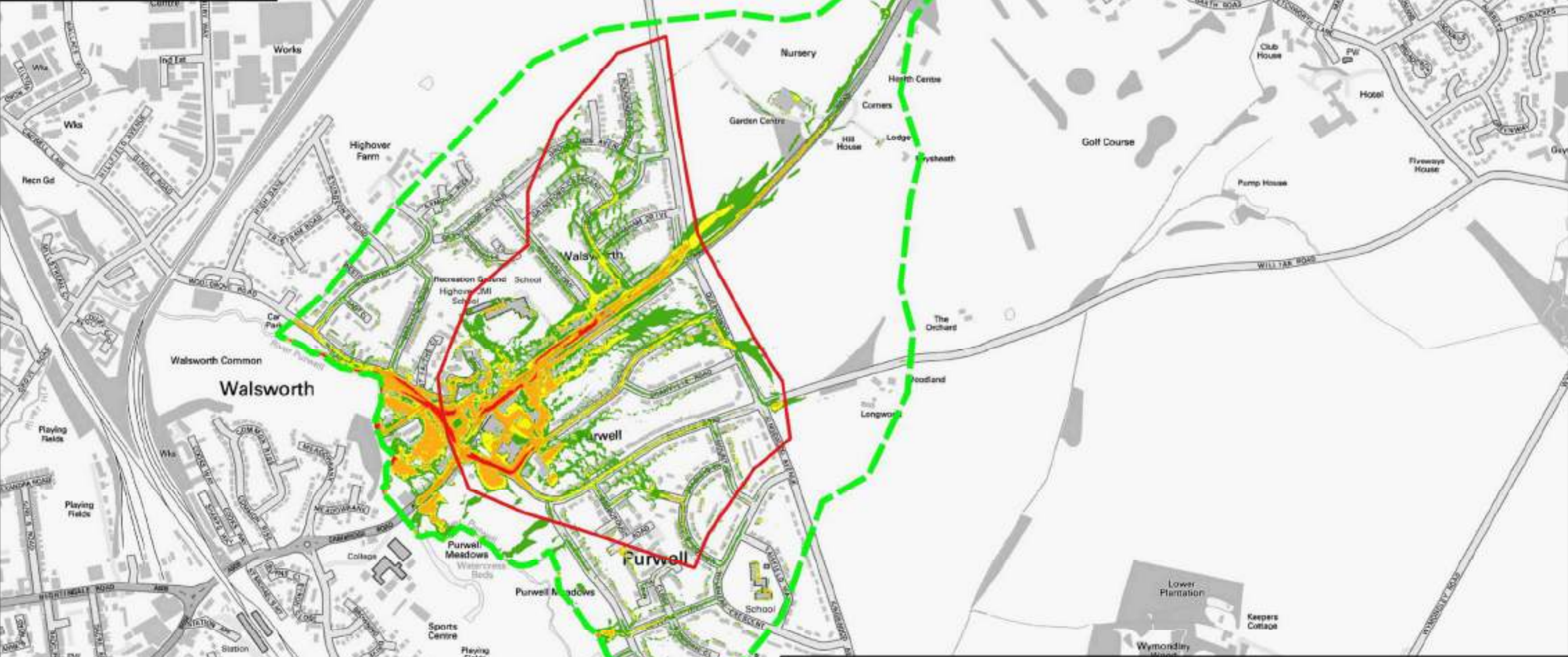


**Legend**

-  Model extents
-  Hotspot boundary

**Flood hazard**

-  Below 0.575 not shown
-  0.575 to 0.75 - Caution
-  0.75 to 1.25 - Danger for some
-  1.25 to 2.00 - Danger for most
-  Above 2.00 - Danger for all



Downstream boundary used is based on fluvial Flood Zone 3

**HOTSPOT 30 - FLOOD HAZARD (1 IN 1000 YEAR)**

**NORTH HERTS AND DACORUM  
SURFACE WATER  
MANAGEMENT PLAN**



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