



TL 45 NW

4219 5902

190

IGES		19 Talisman Square, KENILWORTH, CV8 1JB. Tel: 01926 851113 Fax: 01926 851394		Job No. 6769	Site : CADCENTRE, CAMBRIDGE. Client : YORKON LIMITED. Engineer :		BOREHOLE LOG	
Method Endrive Hand System.		Date 27/04/98		Drilling Crew Danette Drilling.		Logged By BW		BH 4
Dia (mm) 100		Coord		Ground Level m.		Sheet 1 of 1		Scale 1:25
Date & Casing Depth	Depth m.	Sample Type	Water Level	SPT N or Cu	M/C %	Depth m.	Description of Strata	Legend
27/04/98	0.70	P		200		0.50	Turf over TOPSOIL.	
						1.00	Very stiff grey brown silty CLAY with rare fine to medium flint and chalk gravel.	
Remarks 1/ Groundwater was not encountered.							GROUNDWATER	
				Struck	Cased	20 mins	Scoled	Remarks

TL45 NW

4219, 5901

191

IGES 19 Talisman Square, KENILWORTH, CV8 1JB. Tel: 01926 851113 Fax: 01926 851394		Job No. 6769	Site : CADCENTRE, CAMBRIDGE. Client : YORKON LIMITED. Engineer :	BOREHOLE LOG BH 5 Sheet 1 of 1 Scale 1:25				
Method Endrive Hand System.		Date 27/04/98		Drilling Crew Danetre Drilling.	Logged By BW			
Dia (mm) 100	Coord		Ground Level m.		Legend			
Date & Casing Depth	Depth m.	Sample Type	Water Level	SPT N or Cu		M/C %	Depth m.	Description of Strata
							0.20	Turf over TOPSOIL.
							0.40	Brown silty fine to coarse sand. MADE GROUND.
	0.50	D&P		85			0.60	Firm to stiff grey brown silty CLAY with rare fine chalk and flint gravel.
	0.75	P		100				Stiff becoming very stiff grey mottled brown quickly becoming grey silty CLAY with rare rootlets in upper surface.
	0.90 1.00	P D&P		160 185				
	1.50	D&P		175				
	1.75	P		185				
	27/04/98						2.00	
Remarks 1/ Groundwater was not encountered.								
GROUNDWATER								
				Struck	Cased	20 mins	Sealed	Remarks

TL 45 NW

4214, 5903

192

IGES		19 Talisman Square, KENILWORTH, CV8 1JB. Tel: 01926 851113 Fax: 01926 851394		Job No. 6769	Site : CADCENTRE, CAMBRIDGE.		BOREHOLE LOG	
Method		Endrive Hand System.		Date	27/04/98		Drilling Crew	Logged By
Dia (mm)		Coord		Ground Level m.		Danetre Drilling.		BW
Date & Casing Depth	Depth m.	Sample Type	Water Level	SPT N or Cu	M/C %	Depth m.	Description of Strata	Legend
	0.40	D				0.20	Turf over TOPSOIL.	
	0.70	P		125		0.60	Soft silty sandy clay with occasional fine to coarse mixed gravel. MADE GROUND.	
	0.80	P		175				
	0.90	P		125			Stiff becoming very stiff grey brown silty CLAY with rare chalk and flint gravel.	
	1.00	D&P		150				
	1.50	P		175				
	2.00	P		175				
27/04/98						2.20		
Remarks							GROUNDWATER	
1/ Groundwater was not encountered.							Struck	Remarks
							Cased	
							20 mins	
							Sealed	

Appendix H Development Land Use Schedule

	TOTAL GEA [m2]	Non-residential Institutions (D1) GEA				Commercial Research (B1) GEA			Assembly and Leisure (D2)	Multi Storey Car Parks	Cycling Facilities	Sui Generis	Population				Car Parking Requirements	
		Departmental	Teaching and meeting shared	Cafes and restaurants shared	Nursery	TOTAL D1 [m2]	Work space	Restaurants and Cafes					TOTAL	Students	Uni. Staff	Comm. Staff		TOTAL
EXISTING (including buildings to be demolished and Roger Needham)	153,869	110,345	0	554	649	111,548	34,286	0	34,286	6,060	0	0	1,975	2,775	1,514	1,006	5,295	1,028
BUILT IN PHASE 1	177,364	77,140	6,200	800	0	84,140	50,670	2,274	52,944	0	31,780	2,850	2,700	1,893	1,069	2,536	5,498	1,589
BUILT IN PHASE 2	177,846	76,625	12,247	4,986	1,000	94,858	47,700	700	48,400	0	30,788	1,710	2,000	2,015	1,084	1,987	5,086	1,143
BUILT IN PHASE 3	99,307	17,480	0	720	0	18,200	53,882	1,297	55,179	4,060	21,868	0	0	583	291	2,695	3,569	849
TOTAL EXISTING + BUILT	608,386	281,590	18,447	7,060	1,649	308,746	186,538	4,271	190,809	10,120	84,436	4,560	6,675	7,266	3,959	8,224	19,448	4,609
TOTAL PHASE 3 = EXISTING + BUILT - DEMOLISHED	559,196	232,400	18,447	7,060	1,649	259,556	186,538	4,271	190,809	10,120	84,436	4,560	6,675	6,175	3,350	8,224	17,748	4,414
CUMMULATIVE PHASE 1 (existing + built - demolished)	301,693	157,945	6,200	1,354	649	166,148	84,956	2,274	87,230	6,060	31,780	2,850	4,675	3,866	2,180	3,542	9,588	2,505
CUMMULATIVE PHASE 2 (existing + built - demolished)	459,889	214,920	18,447	6,340	1,649	241,356	132,656	2,974	135,630	6,060	62,568	4,560	6,675	5,592	3,058	5,529	14,179	3,566
CUMMULATIVE PHASE 3 (existing + built - demolished)	559,196	232,400	18,447	7,060	1,649	259,556	186,538	4,271	190,809	10,120	84,436	4,560	6,675	6,175	3,350	8,224	17,748	4,414



KEY

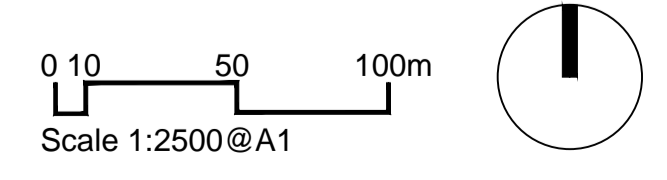
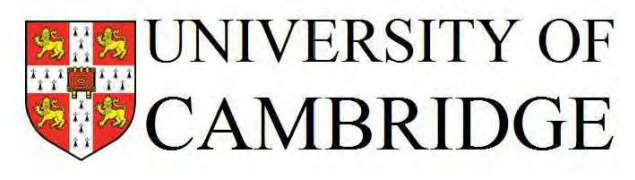
- Contextual Information:**
- Existing street
 - Existing open land
- For Approval:**
- Application site boundary
 - Development zones
 - Building zones

All information other than that identified as being for approval is shown for contextual purposes only.

West Cambridge

WC/OPA/PAR/02 - Development Building Zones Parameter Plan

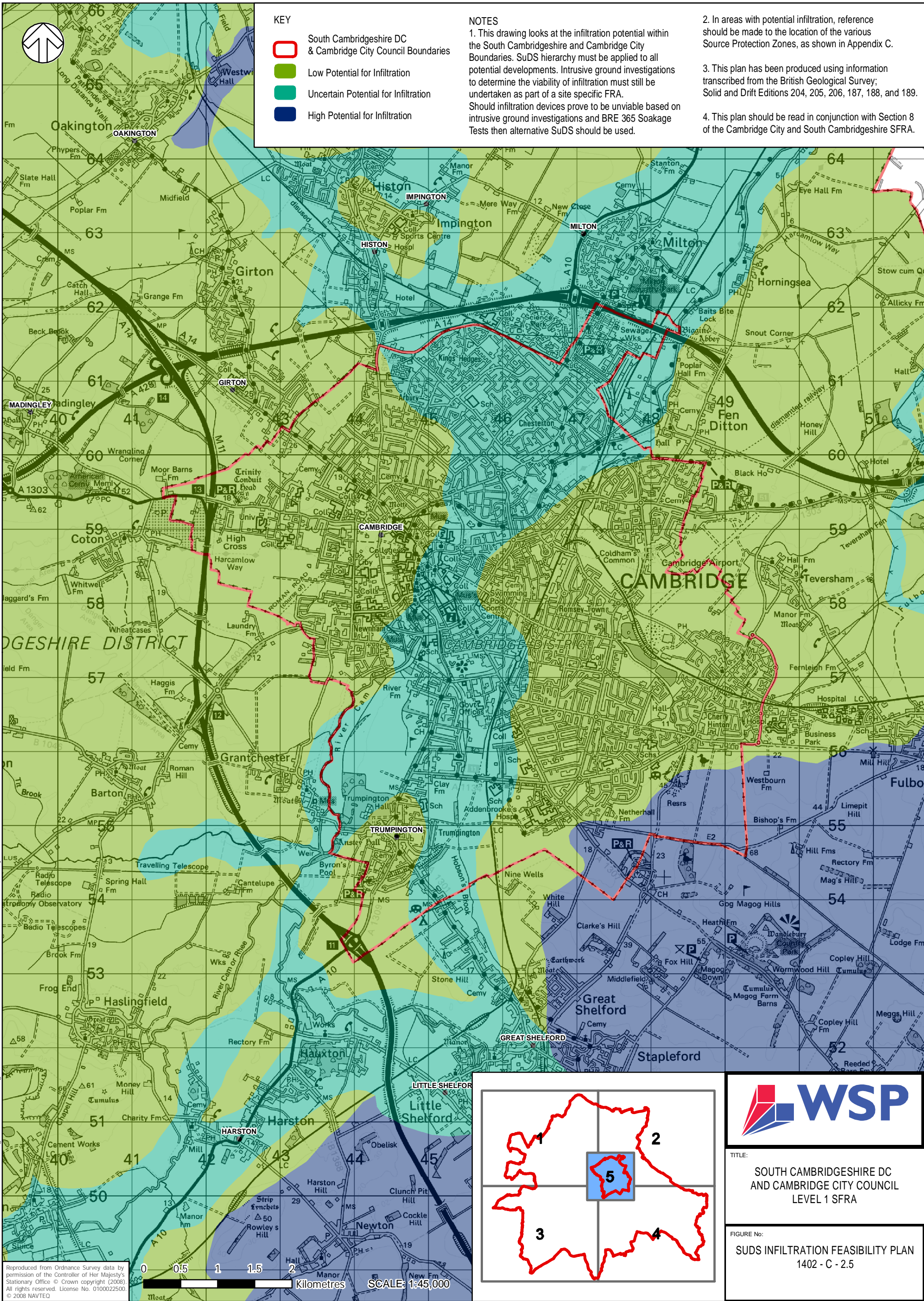
April 2015



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Appendix J

Extracts from the South Cambridgeshire District council's Strategic Flood Risk Assessment (SFRA) and Anglian Water Flood History & Cambridgeshire County Council flood report



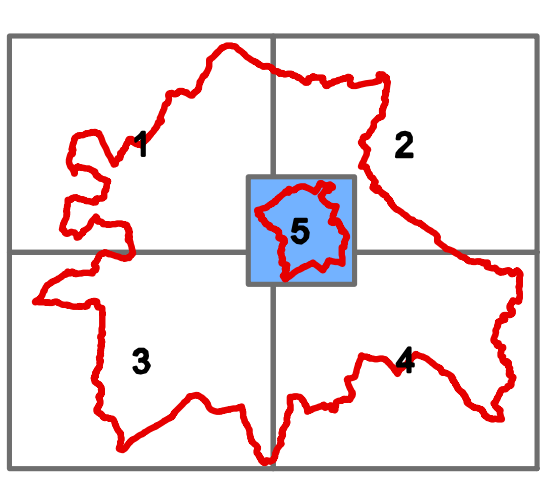
KEY


- South Cambridgeshire DC & Cambridge City Council Boundaries
- Low Potential for Infiltration
- Uncertain Potential for Infiltration
- High Potential for Infiltration

NOTES

1. This drawing looks at the infiltration potential within the South Cambridgeshire and Cambridge City Boundaries. SuDS hierarchy must be applied to all potential developments. Intrusive ground investigations to determine the viability of infiltration must still be undertaken as part of a site specific FRA. Should infiltration devices prove to be unviable based on intrusive ground investigations and BRE 365 Soakage Tests then alternative SuDS should be used.

2. In areas with potential infiltration, reference should be made to the location of the various Source Protection Zones, as shown in Appendix C.
3. This plan has been produced using information transcribed from the British Geological Survey; Solid and Drift Editions 204, 205, 206, 187, 188, and 189.
4. This plan should be read in conjunction with Section 8 of the Cambridge City and South Cambridgeshire SFRA.



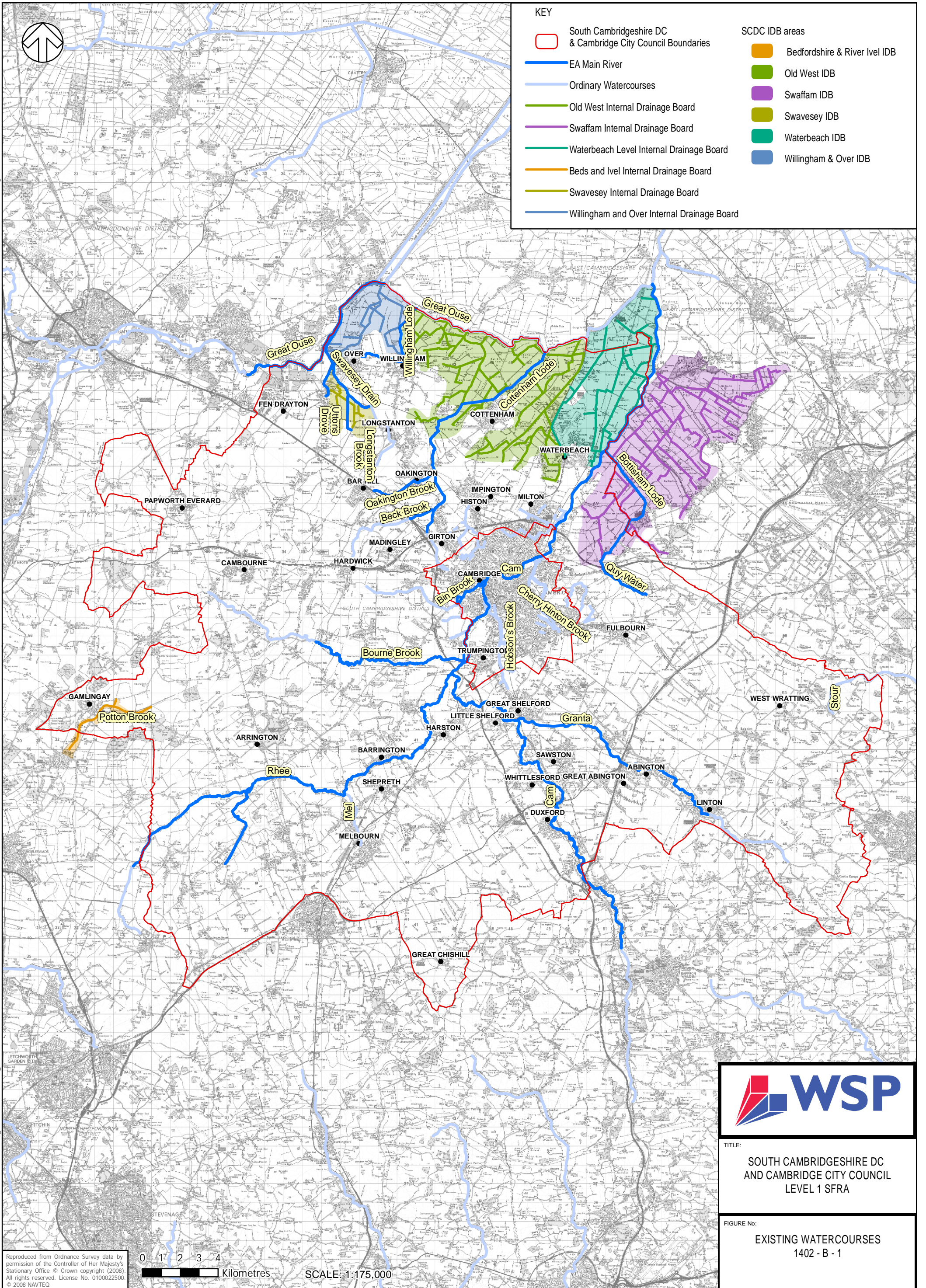


TITLE:
**SOUTH CAMBRIDGESHIRE DC
 AND CAMBRIDGE CITY COUNCIL
 LEVEL 1 SFRA**

FIGURE No:
**SUDS INFILTRATION FEASIBILITY PLAN
 1402 - C - 2.5**


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0 0.5 1 1.5 2 Kilometres SCALE: 1:45,000



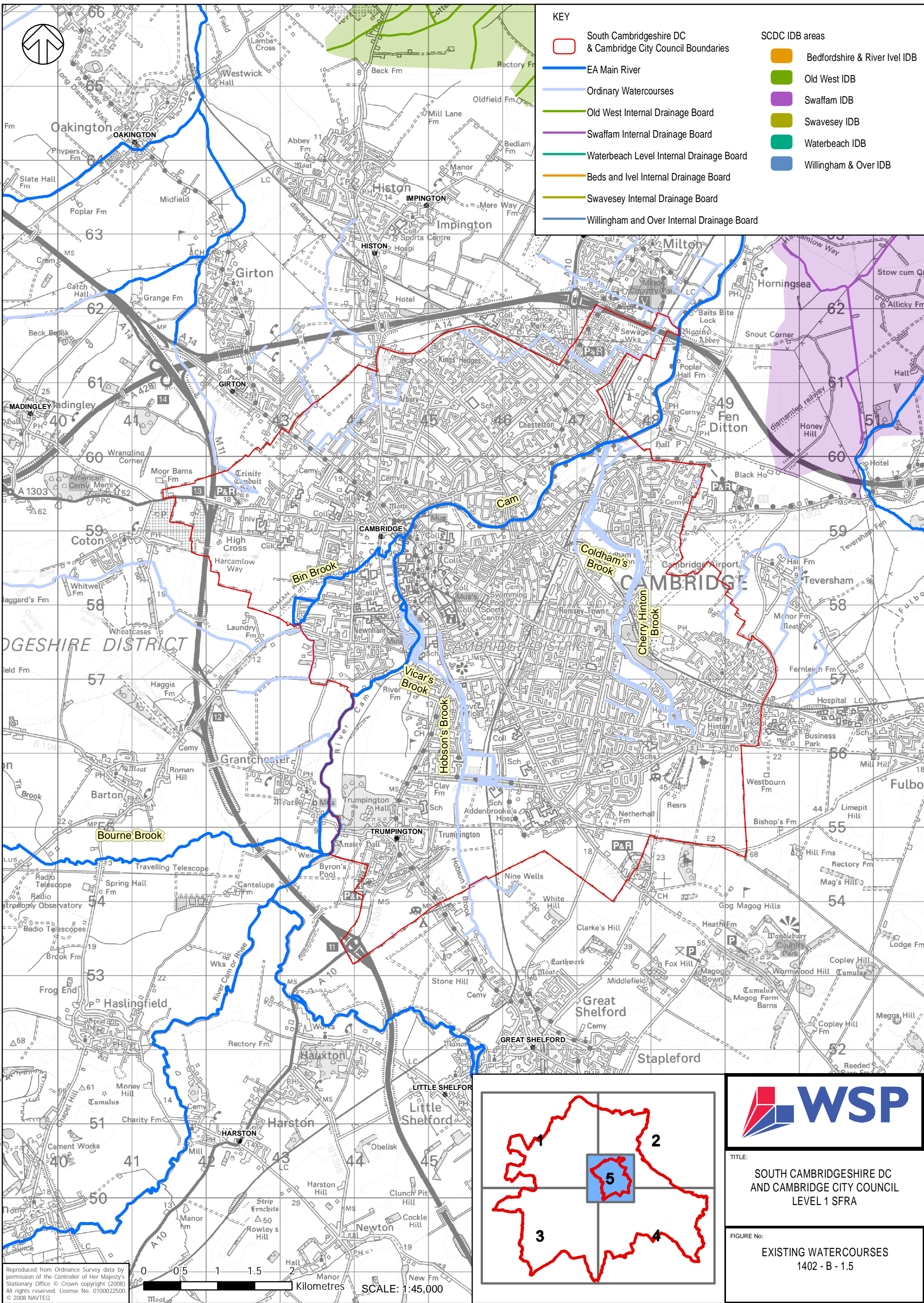

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0 1 2 3 4 Kilometres SCALE: 1:175,000



TITLE:
SOUTH CAMBRIDGESHIRE DC
AND CAMBRIDGE CITY COUNCIL
LEVEL 1 SFRA

FIGURE No:
EXISTING WATERCOURSES
1402 - B - 1





TITLE:
SOUTH CAMBRIDGESHIRE DC
AND CAMBRIDGE CITY COUNCIL
LEVEL 1 SFRA

FIGURE No:
EXISTING WATERCOURSES
1402 - B - 1.5

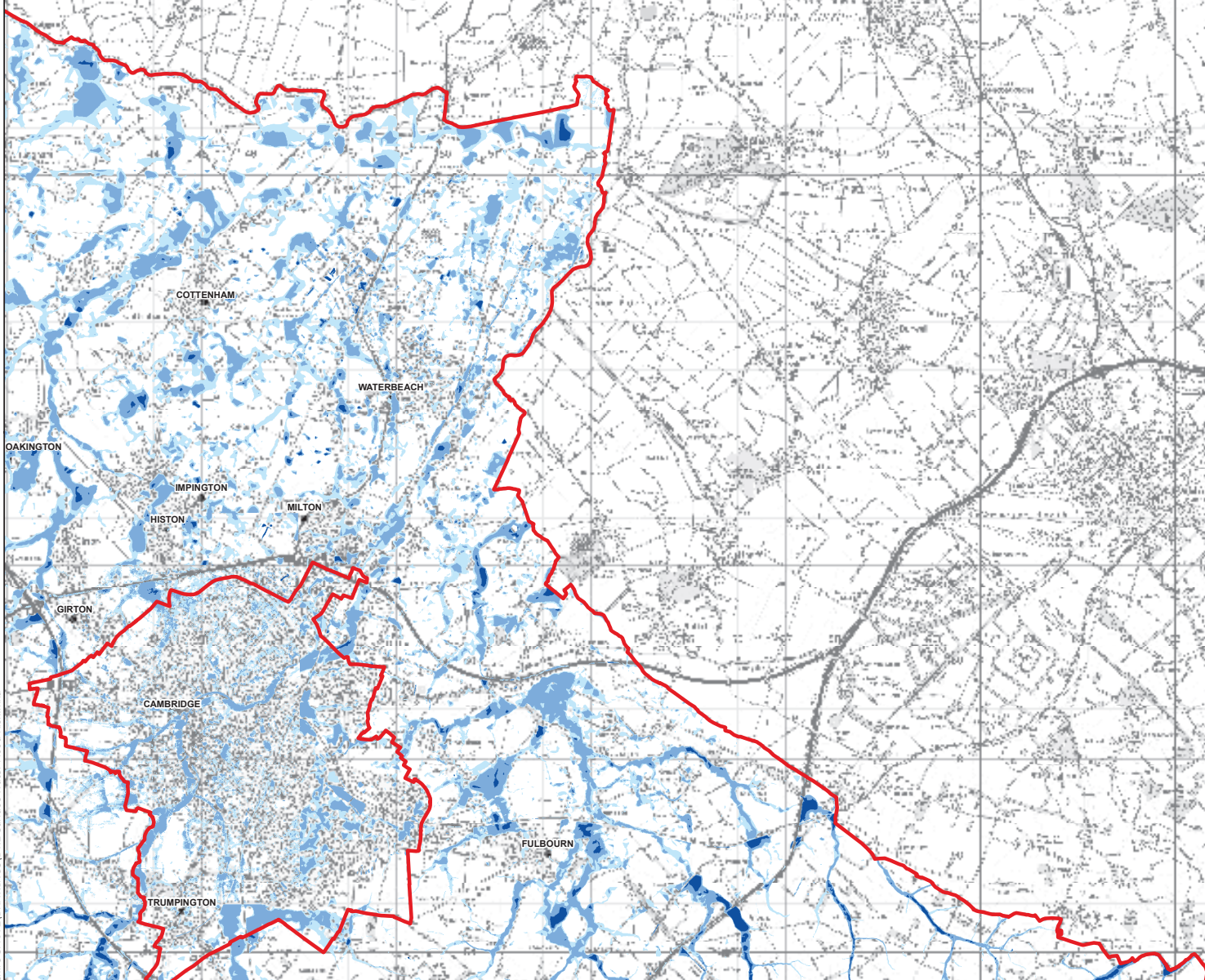
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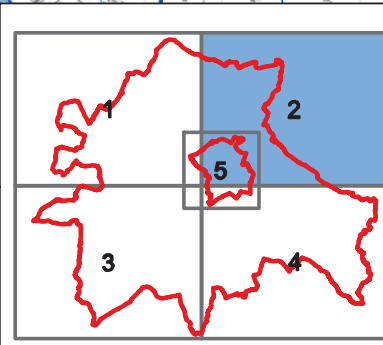
KEY

-  South Cambridgeshire DC & Cambridge City Council Boundaries
-  More
-  Intermediate
-  Less

NOTE: The maps only provide a general indication of areas which may be more likely to suffer from surface water flooding, and have been produced by the Environment Agency using a strategic broad scale modelling approach assuming an extreme rainfall event. They do not show the susceptibility of individual properties to surface water flooding. They should not be used to substitute more detailed investigations at a site specific scale, that allow a more accurate assessment of surface water flooding to be made.

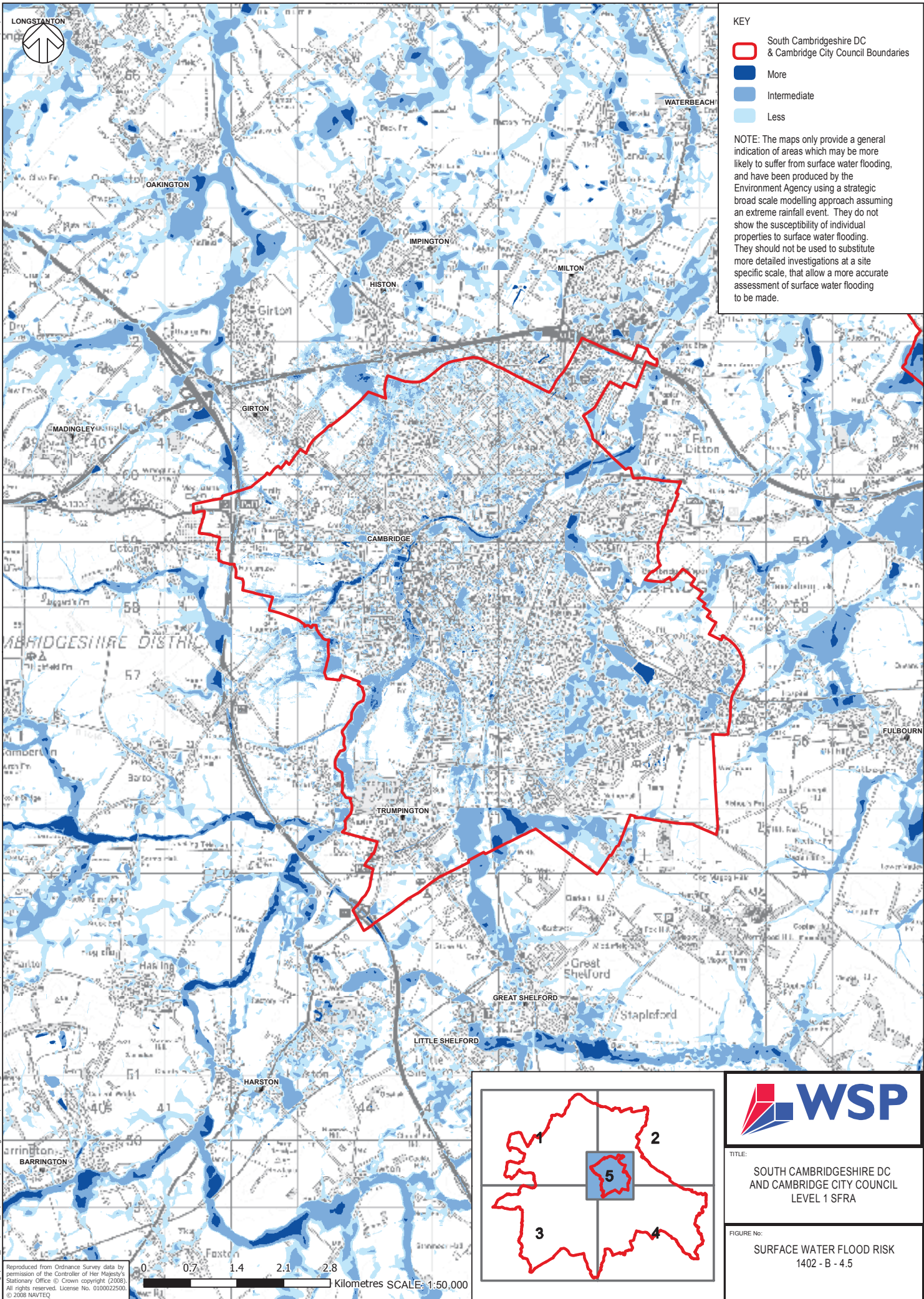


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TITLE:
SOUTH CAMBRIDGESHIRE DC
AND CAMBRIDGE CITY COUNCIL
LEVEL 1 SFRA

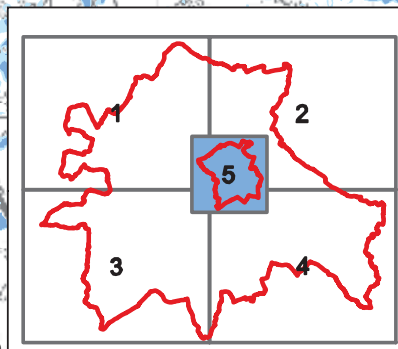
FIGURE No:
SURFACE WATER FLOOD RISK
1402 - B - 4.2



KEY

- South Cambridgeshire DC & Cambridge City Council Boundaries
- More
- Intermediate
- Less

NOTE: The maps only provide a general indication of areas which may be more likely to suffer from surface water flooding, and have been produced by the Environment Agency using a strategic broad scale modelling approach assuming an extreme rainfall event. They do not show the susceptibility of individual properties to surface water flooding. They should not be used to substitute more detailed investigations at a site specific scale, that allow a more accurate assessment of surface water flooding to be made.

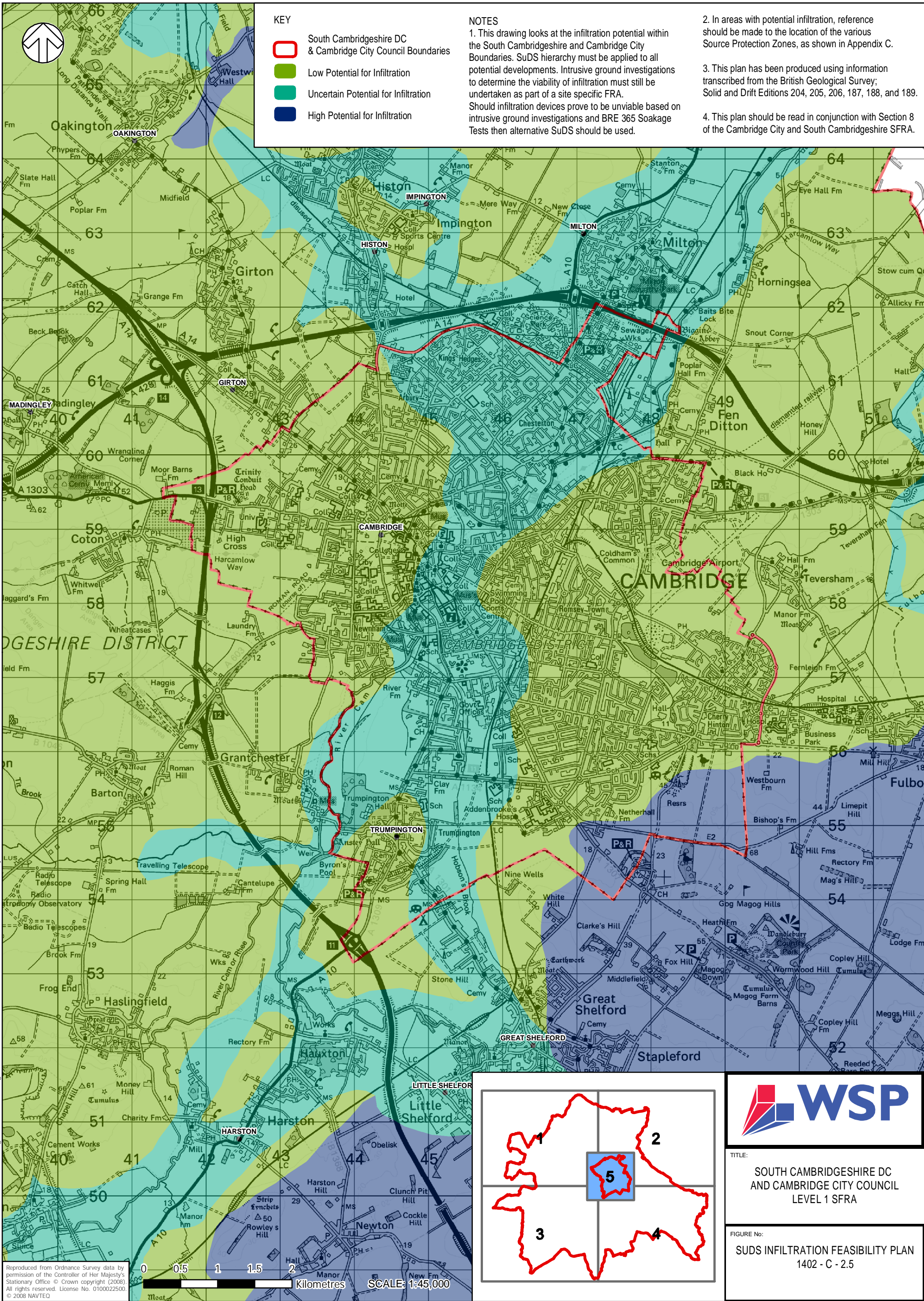


WSP

TITLE:
SOUTH CAMBRIDGESHIRE DC
AND CAMBRIDGE CITY COUNCIL
LEVEL 1 SFRA

FIGURE No:
SURFACE WATER FLOOD RISK
1402 - B - 4.5

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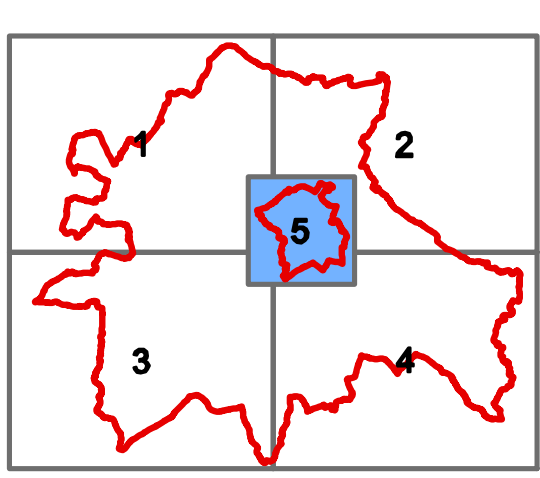
KEY


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NOTES

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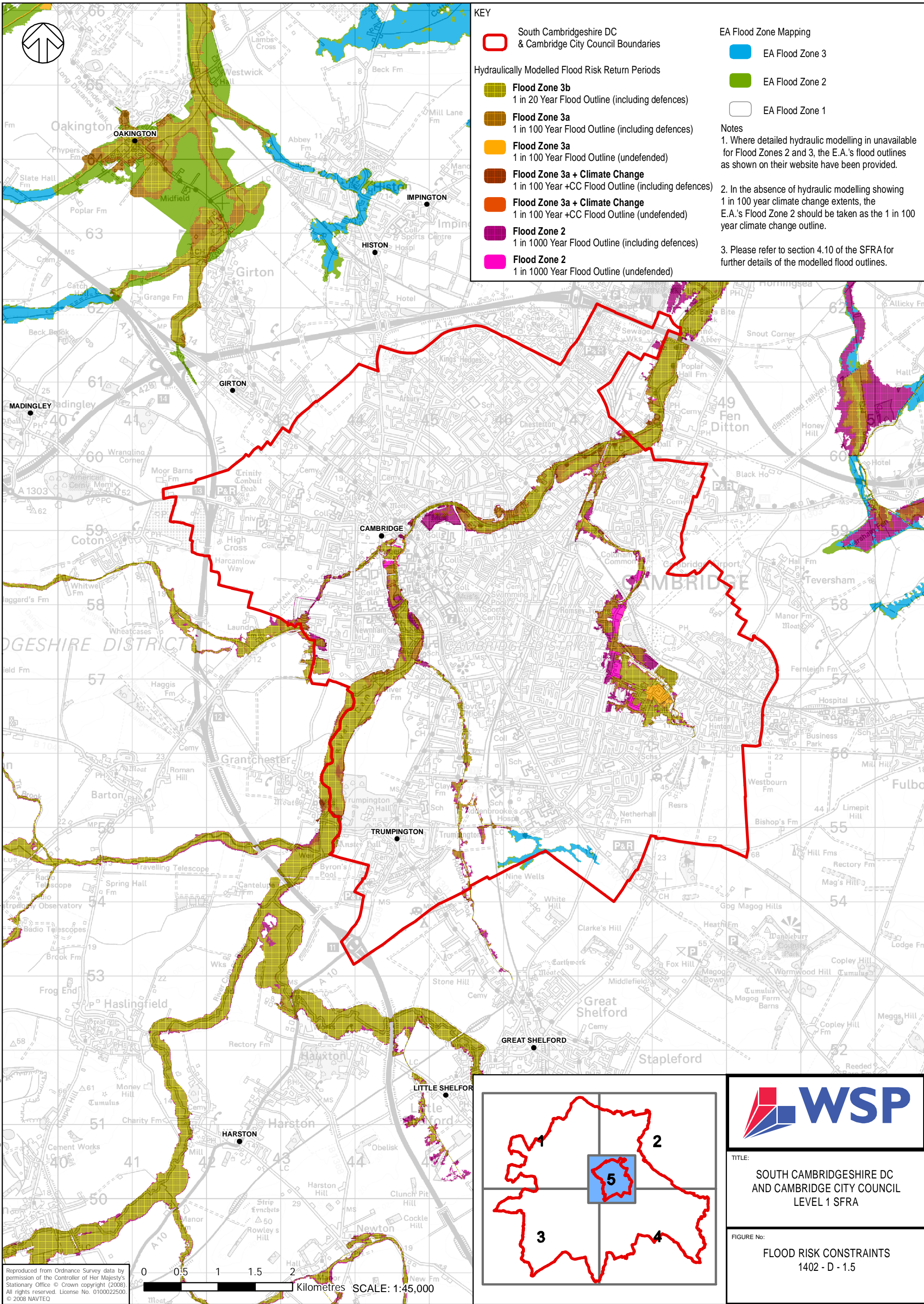


TITLE:
**SOUTH CAMBRIDGESHIRE DC
 AND CAMBRIDGE CITY COUNCIL
 LEVEL 1 SFRA**

FIGURE No:
**SUDS INFILTRATION FEASIBILITY PLAN
 1402 - C - 2.5**

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KEY

South Cambridgeshire DC & Cambridge City Council Boundaries

Hydraulically Modelled Flood Risk Return Periods

- Flood Zone 3b**
1 in 20 Year Flood Outline (including defences)
- Flood Zone 3a**
1 in 100 Year Flood Outline (including defences)
- Flood Zone 3a**
1 in 100 Year Flood Outline (undefended)
- Flood Zone 3a + Climate Change**
1 in 100 Year +CC Flood Outline (including defences)
- Flood Zone 3a + Climate Change**
1 in 100 Year +CC Flood Outline (undefended)
- Flood Zone 2**
1 in 1000 Year Flood Outline (including defences)
- Flood Zone 2**
1 in 1000 Year Flood Outline (undefended)

EA Flood Zone Mapping

- EA Flood Zone 3
- EA Flood Zone 2
- EA Flood Zone 1

Notes

1. Where detailed hydraulic modelling is unavailable for Flood Zones 2 and 3, the E.A.'s flood outlines as shown on their website have been provided.
2. In the absence of hydraulic modelling showing 1 in 100 year climate change extents, the E.A.'s Flood Zone 2 should be taken as the 1 in 100 year climate change outline.
3. Please refer to section 4.10 of the SFRA for further details of the modelled flood outlines.

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0 0.5 1 1.5 2 Kilometres SCALE: 1:45,000



TITLE:
SOUTH CAMBRIDGESHIRE DC
AND CAMBRIDGE CITY COUNCIL
LEVEL 1 SFRA

FIGURE No:
FLOOD RISK CONSTRAINTS
1402 - D - 1.5

