



14-006-03A

Part 4

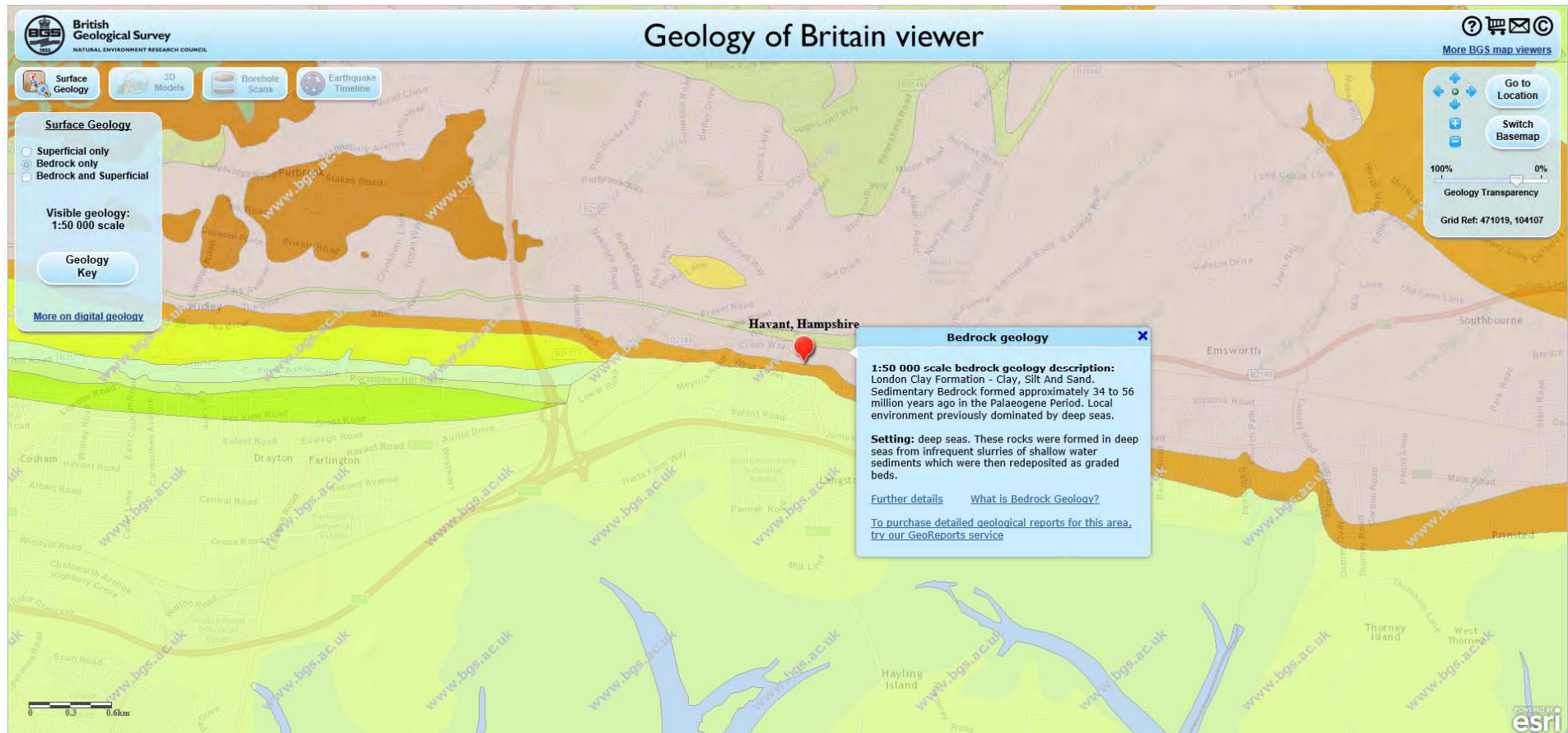
Appendices C & D

APPENDIX C

British Geological Survey Mapping

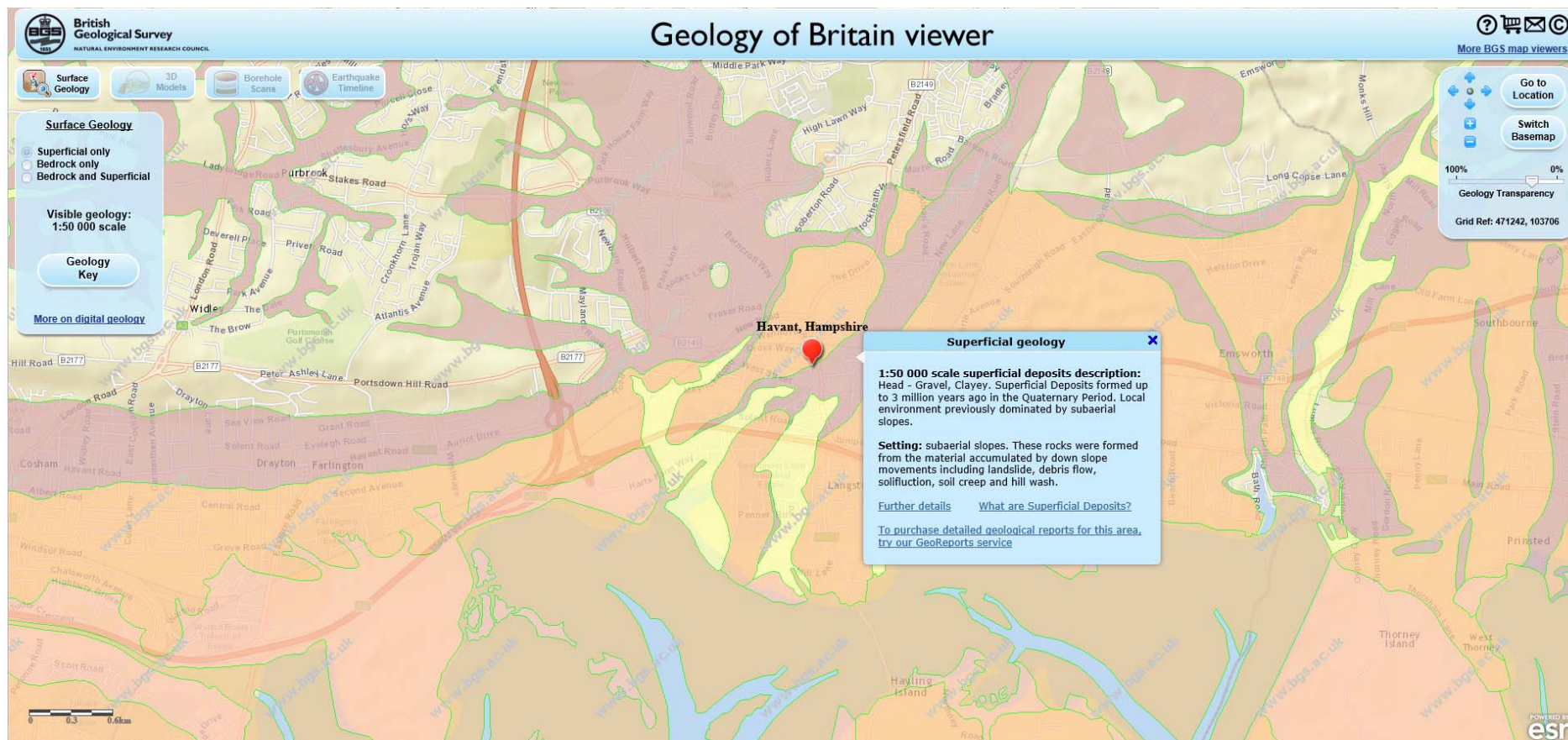
14-006 – Market Parade, Havant, Hampshire

British Geological Survey – Geology Mapping Bedrock



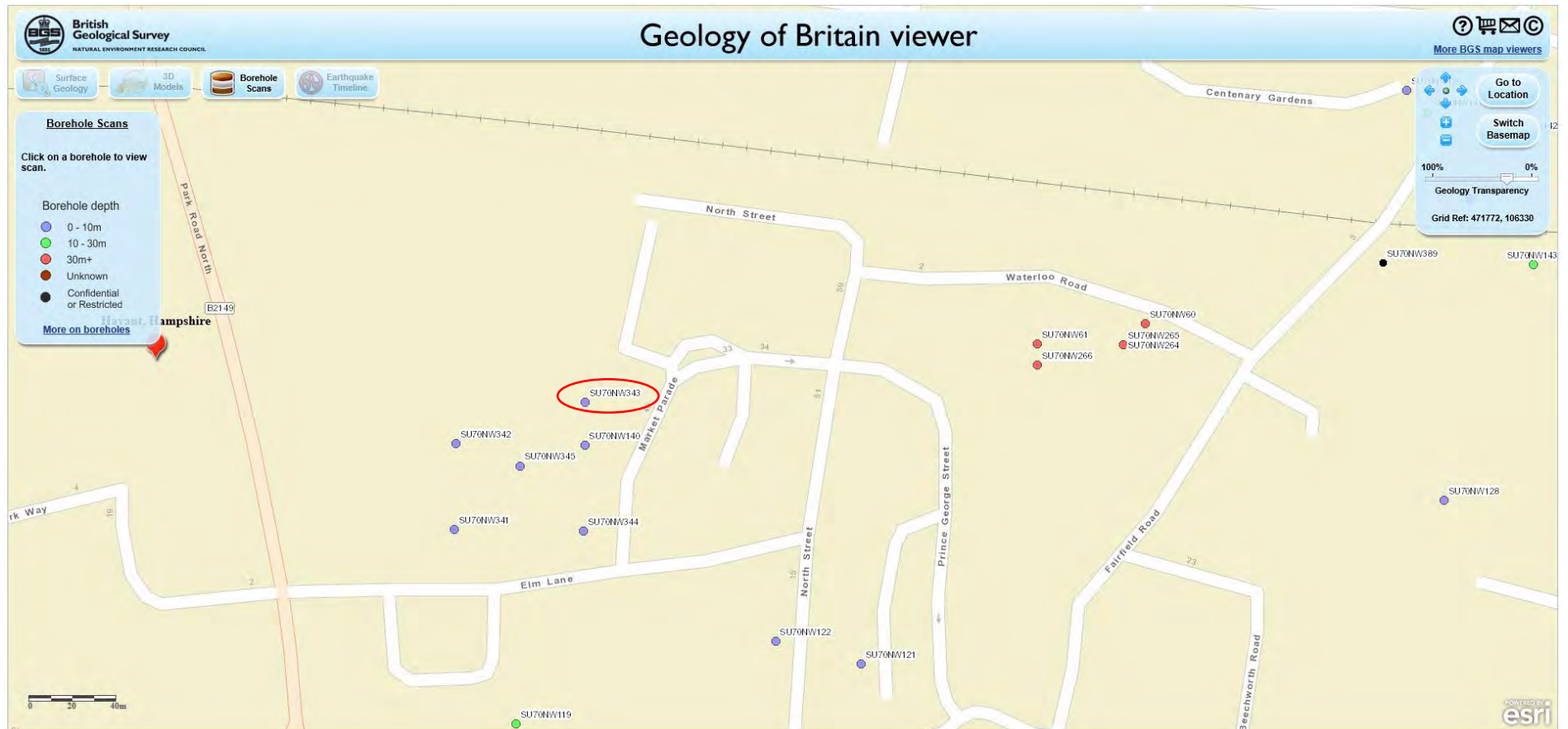
14-006 – Market Parade, Havant, Hampshire

British Geological Survey – Geology Mapping Superficial



14-006 – Market Parade, Havant, Hampshire

British Geological Survey – Borehole Location Plan





British Geological Survey

FOUNDATION ENGINEERING Ltd.

British Geological Survey

BOREHOLE LOG

British Geological Survey

LOCATION : HAVANT CAR PARK

BOREHOLE No. : 3

BOREHOLE DIA. : 6"

GROUND LEVEL :

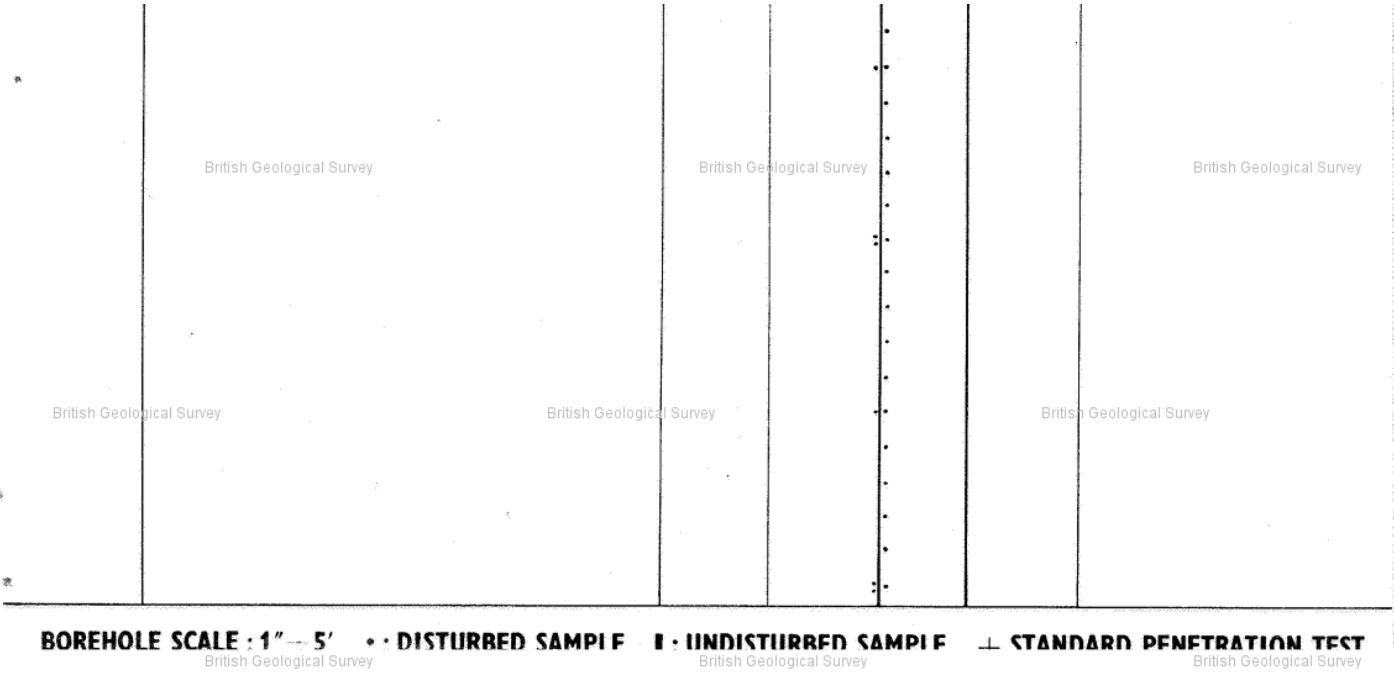
DATE (Start) : 16-1-1964

WATER LEVEL : 10'-6"

British Geological Survey

British Geological Survey

Dates	Description	Thickness	Depth	Sample	Remarks
	TOPSOIL – gravel	3'-0"	0'-0"		
	CONCRETE	0'-6"	3'-0" 3'-6"	1 +	98 blows/ft
	Compact GRAVEL with some brown clay	5'-0"	8'-6"	2	42 blows/ft
	Stiff dark grey CLAY	11'-6"	20'-0"		
					BOREHOLE COMPLETED





**British
Geological Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 16023656 : BGS Reference: SU70NW343

British National Grid (27700) : 471700,106480

[Report an issue with this borehole](#)

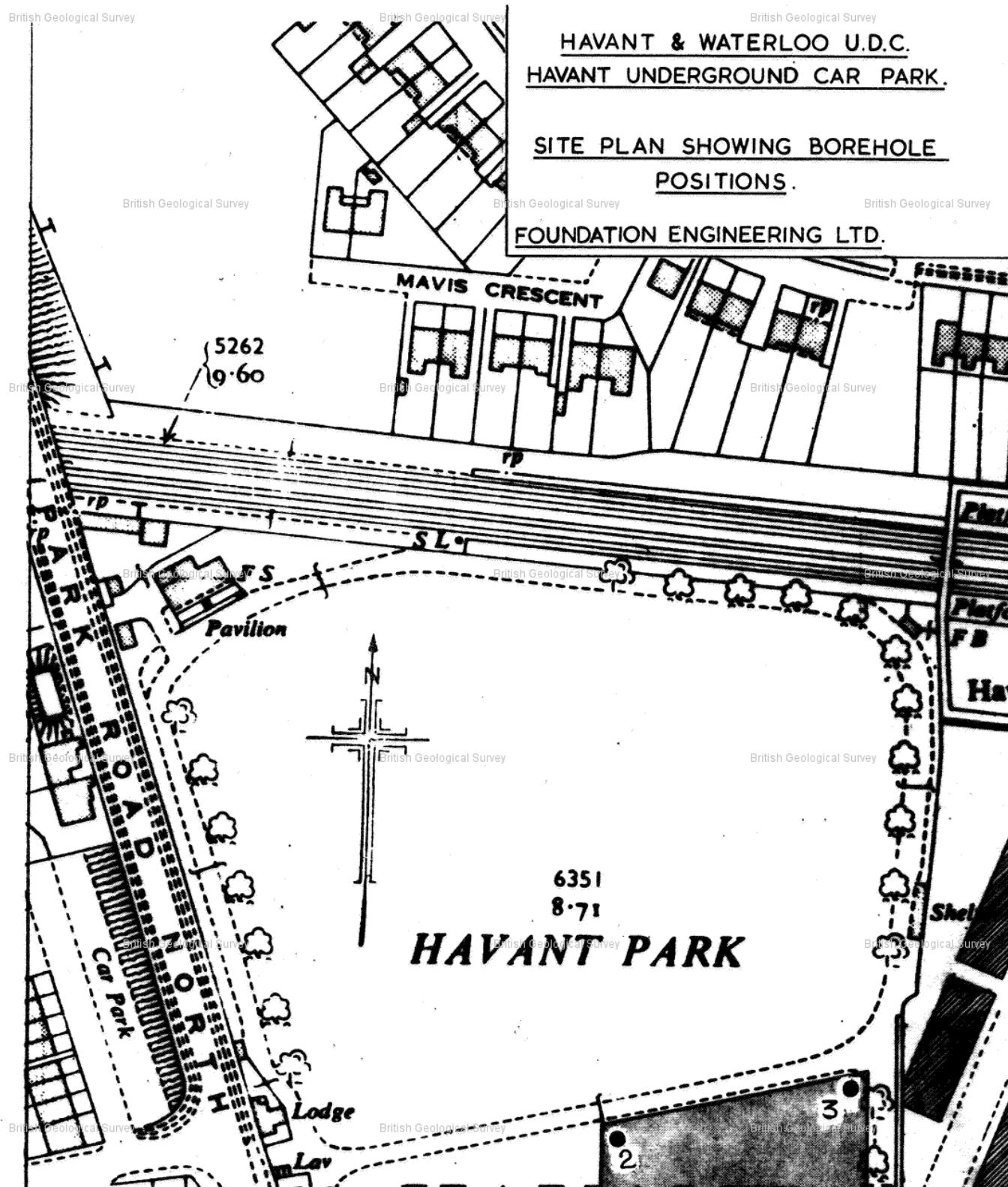
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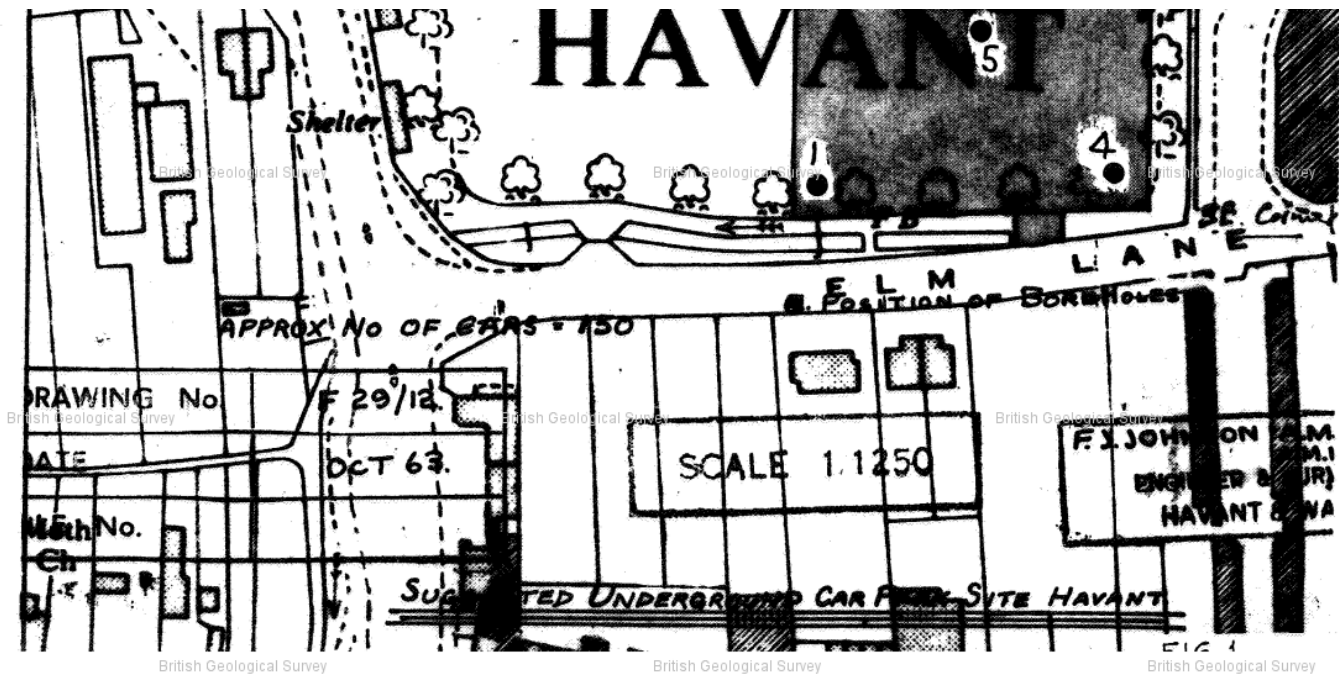
< Prev

Page 2 of 2

Next >

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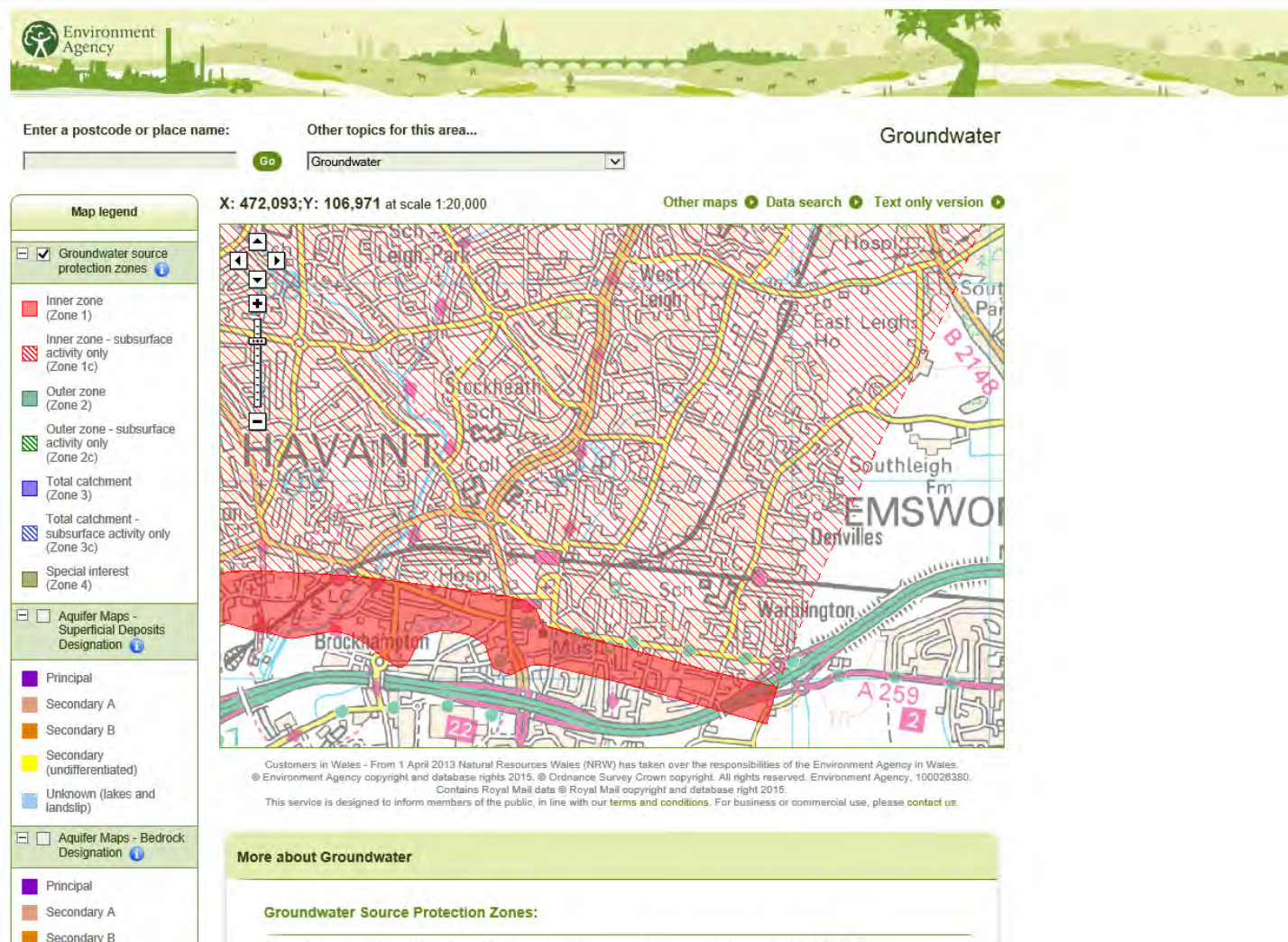


APPENDIX D

Environment Agency Flood Maps and Correspondence

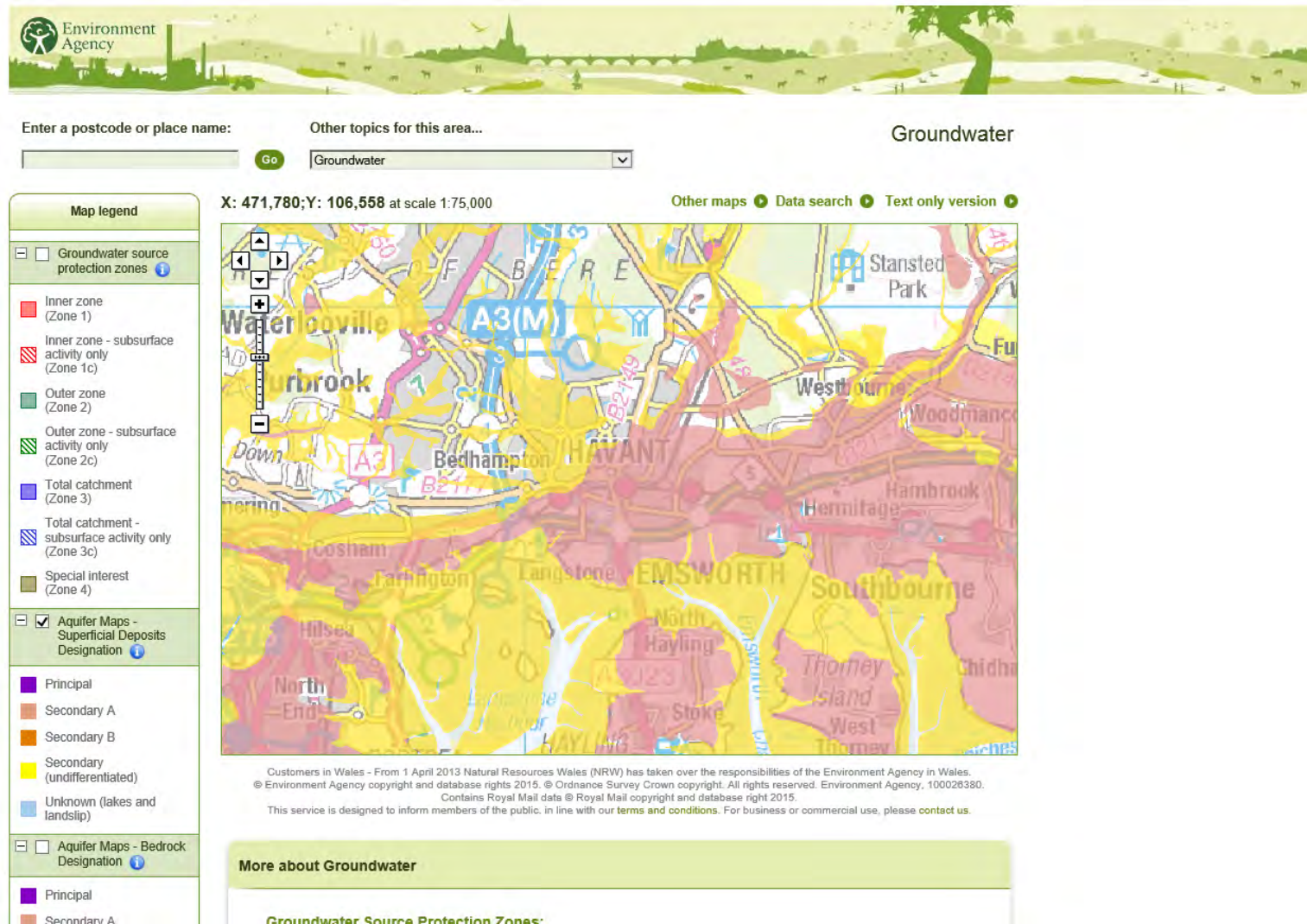
14-006 – Market Parade, Havant, Hampshire

Environment Agency – Groundwater Flood Map (Source Protection Zones)



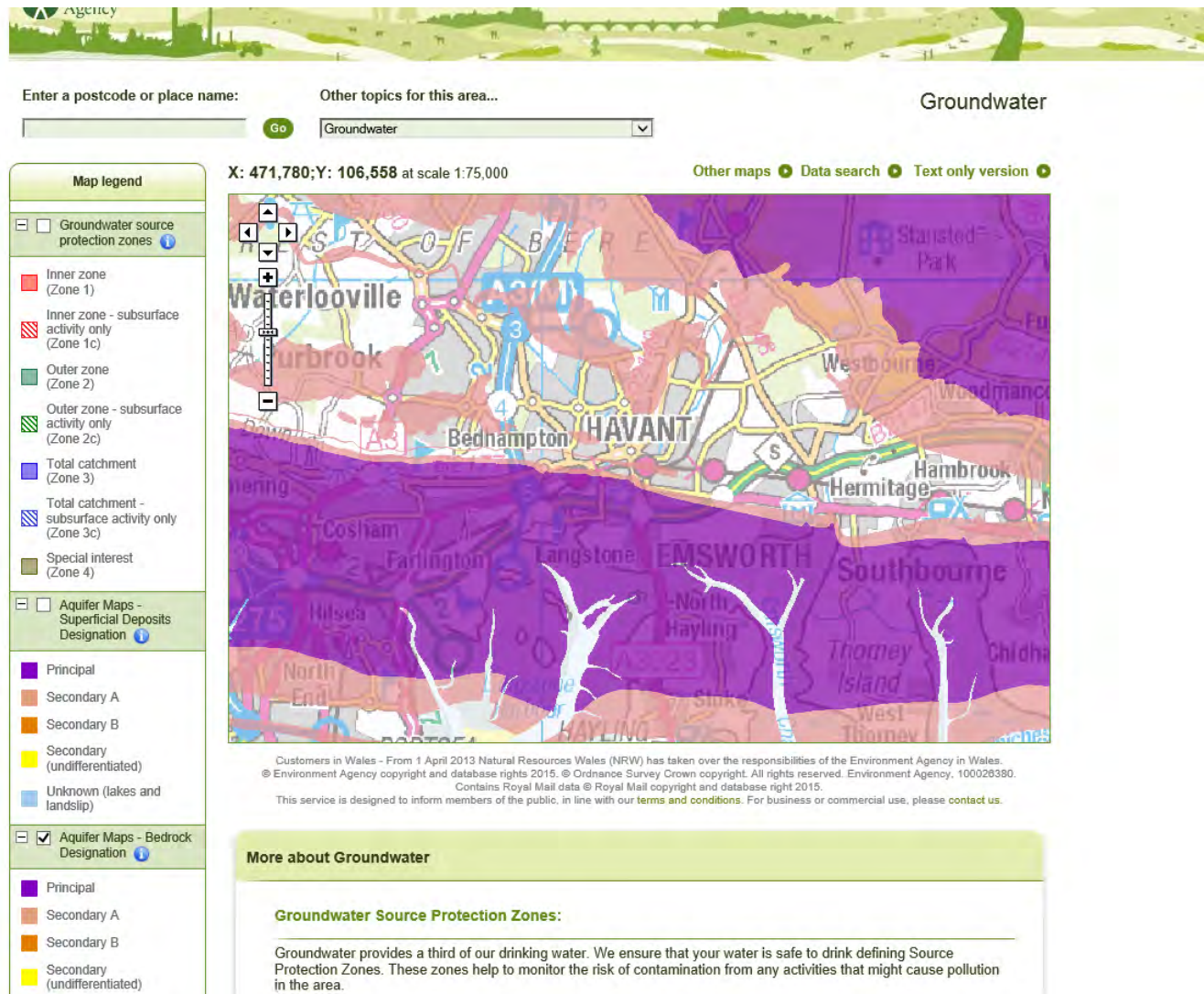
14-006 – Market Parade, Havant, Hampshire

Environment Agency – Groundwater Flood Map (Aquifer Maps – Superficial Deposits Designation)



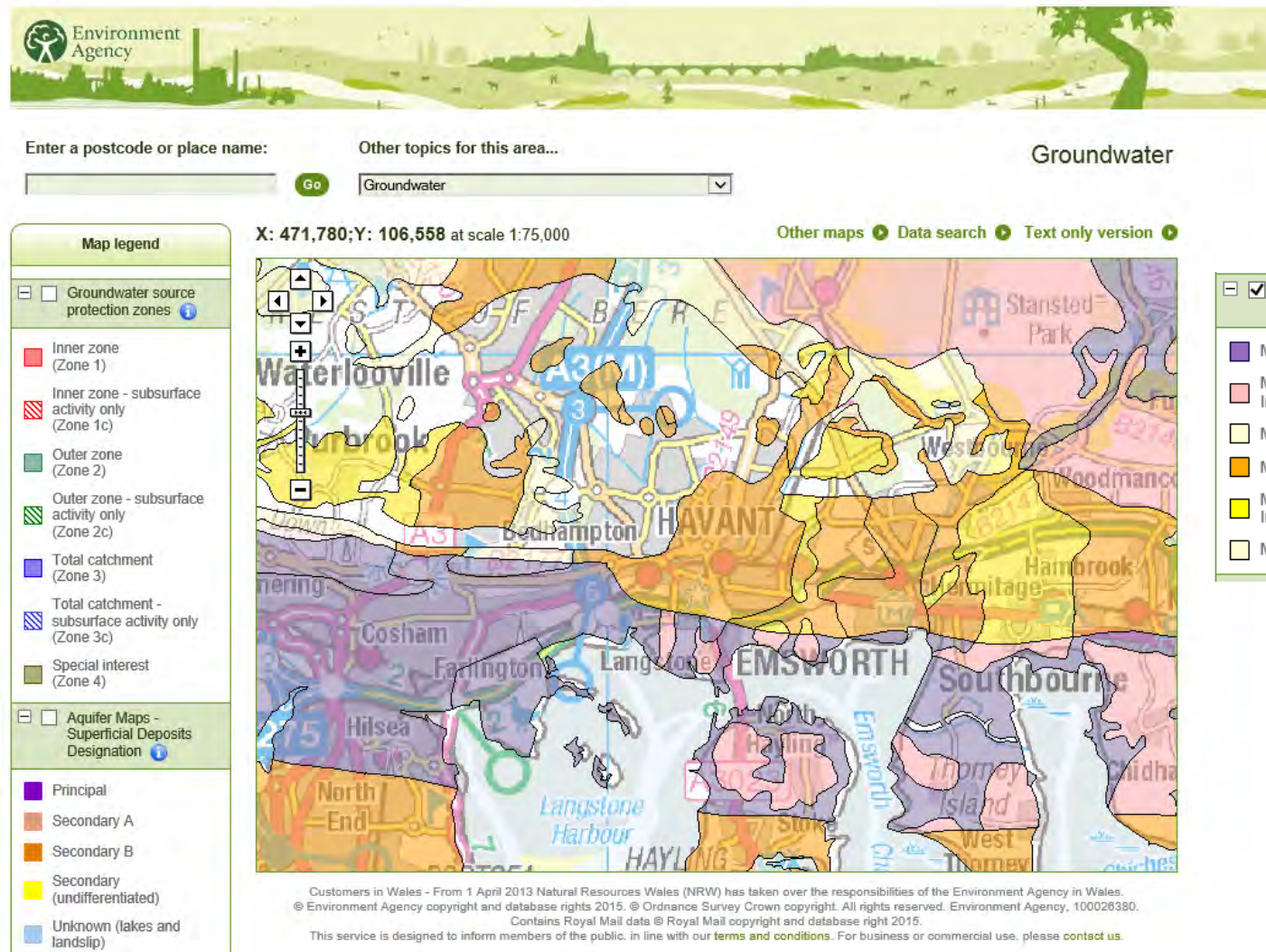
14-006 – Market Parade, Havant, Hampshire

Environment Agency – Groundwater Flood Map (Aquifer Maps – Bedrock Designation)



14-006 – Market Parade, Havant, Hampshire

Environment Agency – Groundwater Flood Map (Groundwater Vulnerability Zones)



Flood Defences Centered on Market Parade - Created 2 June 2015 (Ref: SSD/4329)



Legend

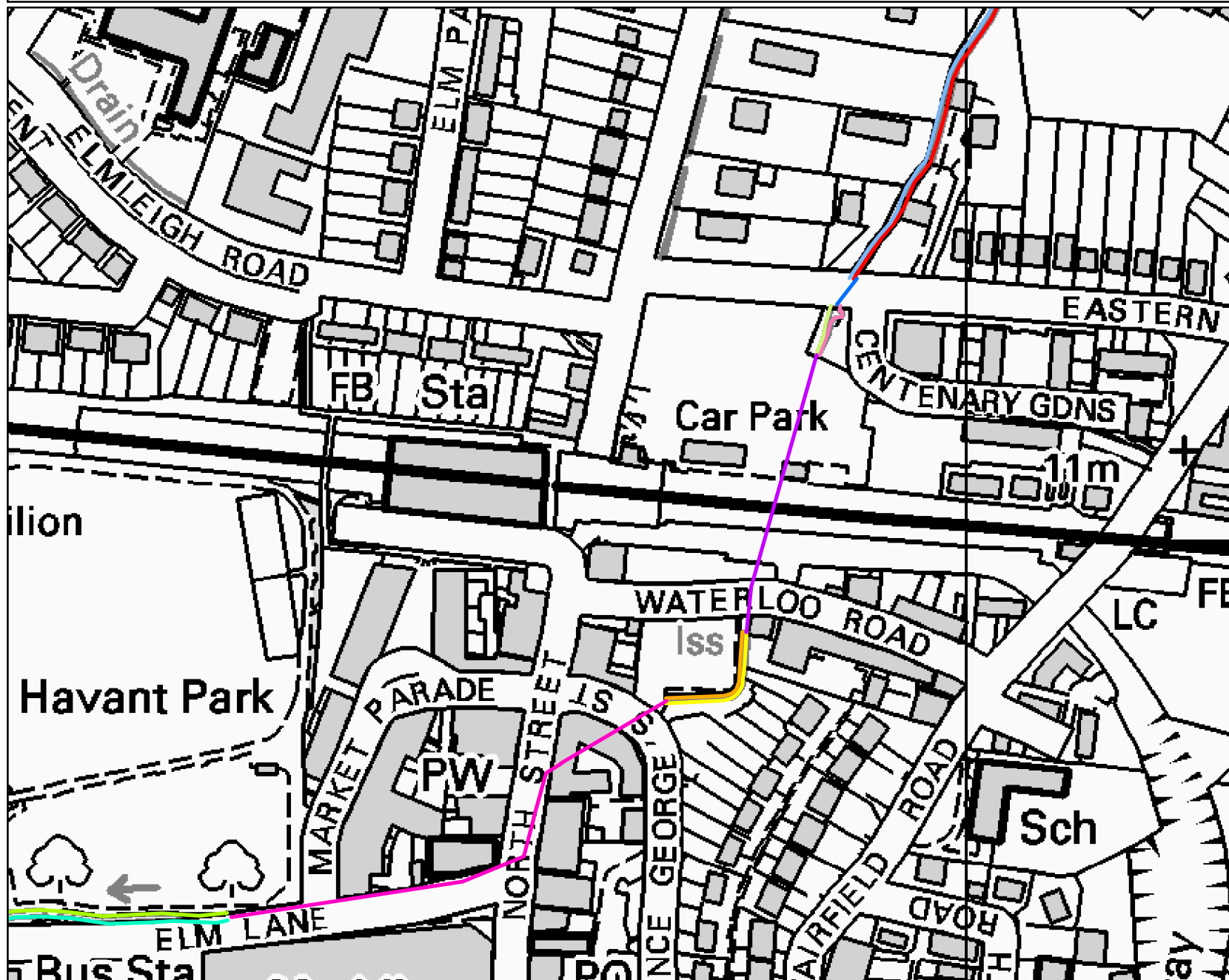
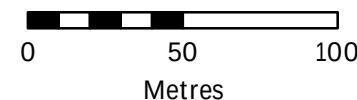
Defences

Asset Ref

- 07128S6010103R01
- 07128S6010103R03
- 07128S6010104R02
- 07128S6010102L02
- 07128S6010102R04
- 07128S6010103L01
- 07128S6010103R02
- 07128S6010104L01
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- 07128S6010104R01
- 07128S6010104R03

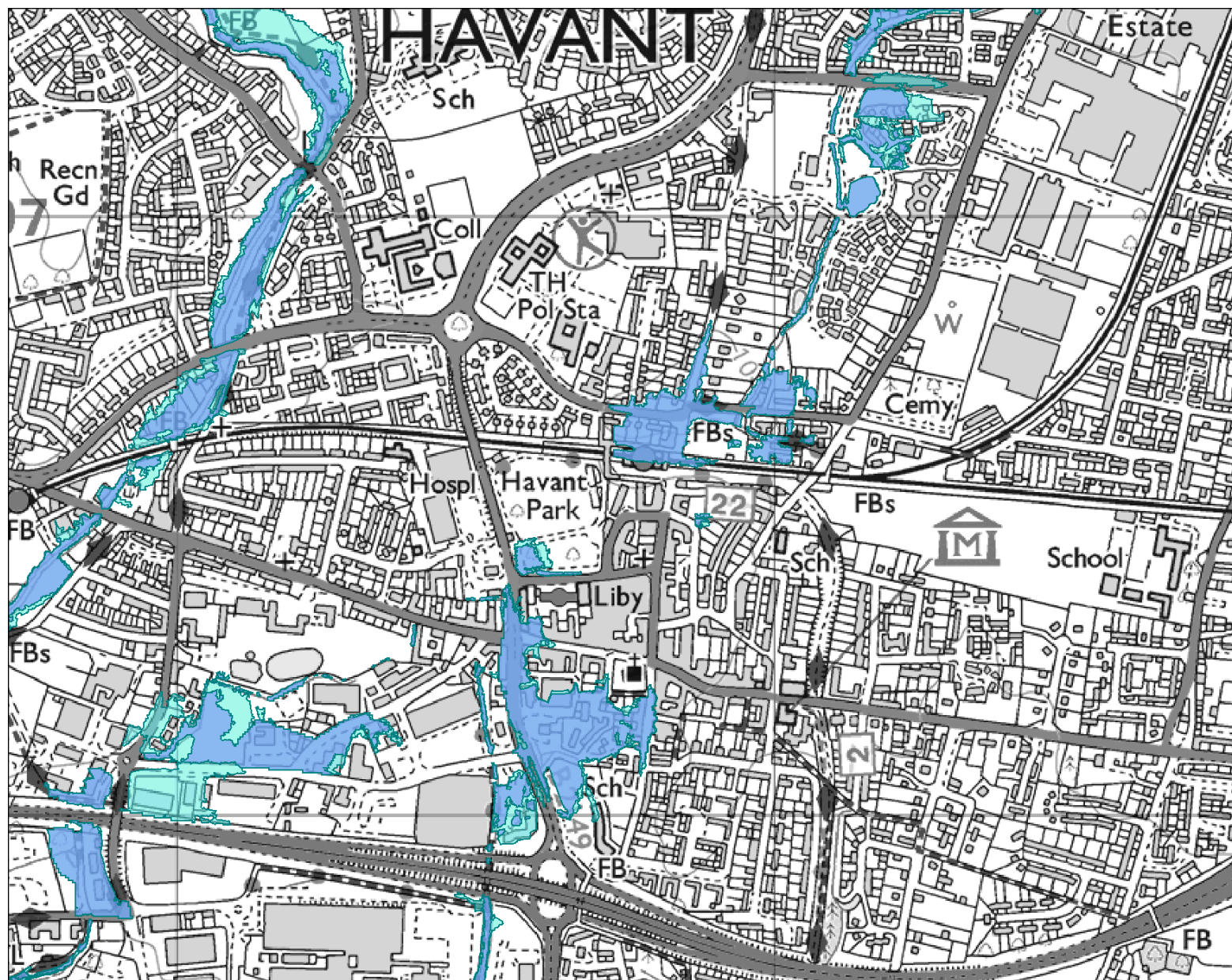
1:2,443 *

*when printed at A4.



Asset Ref.	Asset Type	Description	Location	Maintainer	Estimated Design Standard
07128S6010103R01	culverted channel	Culvert under roads	Market Parade to Prince George St	private	1:40
07128S6010103R03	culverted channel	Culvert	Waterloo Rd to u/s of railway station	private	1:40
07128S6010104R02	culverted channel		Eastern Road. West Leigh	private	
07128S6010102L02	natural channel	Brick retaining wall	U/S of Park Road North. Brockhampton	private	1:40
07128S6010102R04	natural channel	Brick wall	U/S of Park Road North. Brockhampton	private	1:40
07128S6010103L01	maintained channel	Brick lined channel	Prince George St to Waterloo Rd	Environment Agency	1:40
07128S6010103R02	maintained channel	Brick lined channel	Prince George St to Waterloo Rd	Environment Agency	1:40
07128S6010104L01	natural channel	Natural bank	U/S of railway station to Crosslands Drive.	private	1:40
07128S6010104L03	natural channel	Natural bank	U/S of railway station to Crosslands Drive.	private	
07128S6010104R01	natural channel	Natural bank	U/S of railway station to Crosslands Drive.	private	1:50
07128S6010104R03	natural channel	Natural bank	U/S of railway station to Crosslands Drive.	private	

Flood Map (Rivers & Sea) Centered on Market Parade - Created 2 June 2015



Scale 1:10,001



Flood Map for Planning (Rivers and Sea)

- Flood Map - Defences
- Areas Benefiting from Flood Defences
- Flood Map - Flood Storage Areas
- Flood Map - Flood Zone 3
- Flood Map - Flood Zone 2

Flood Map for Planning (Rivers and Sea) (assuming no defences)

Flood Zone 3 shows the area that could be affected by flooding:

- from the sea with a 1 in 200 or greater chance of happening each year
- or from a river with a 1 in 100 or greater chance of happening each year.

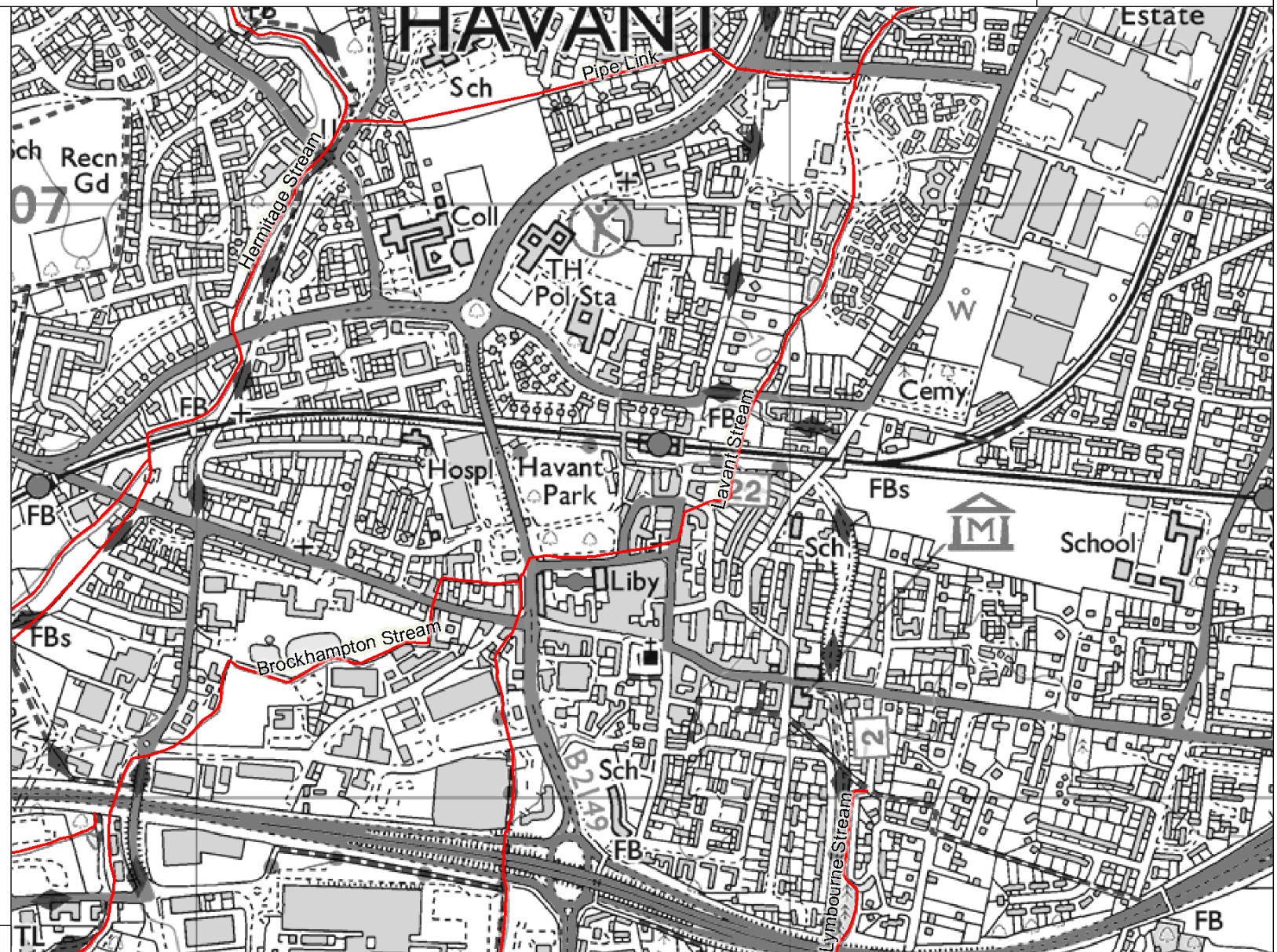
Flood Zone 2 shows the extent of an extreme flood from rivers or the sea with up to a 1 in 1000 chance of occurring each year.

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Main River Centered on Market Parade - Created 2 June 2015

Legend

Sealed Main Rivers

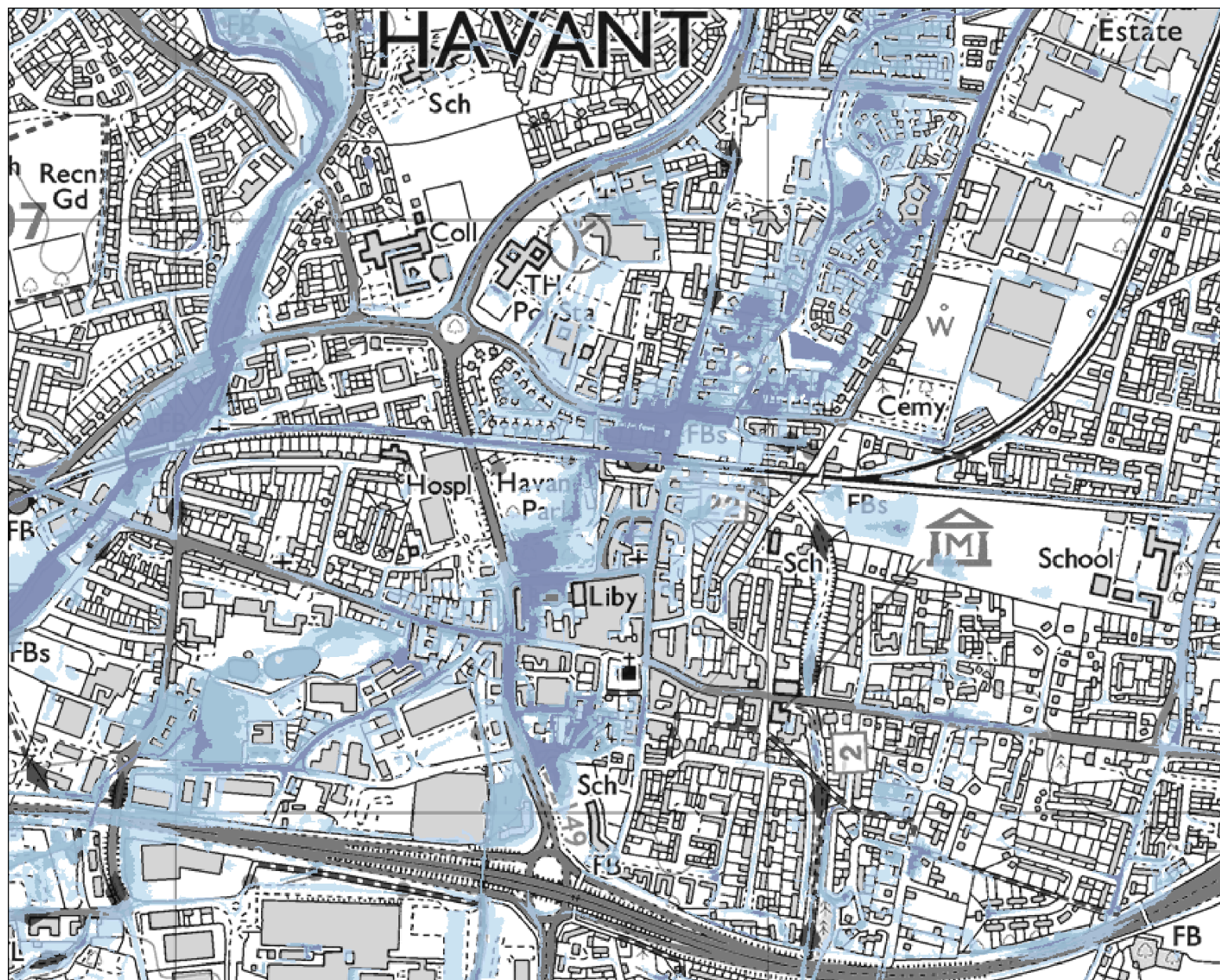


0 95 190 285 m.



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Risk of flooding from Surface Water



Scale 1:10,001



Likelihood of flooding from Surface Water



Likelihood of flooding from Surface Water

- High: Greater than or equal to 1 in 30 (3.3%) chance in any given year
- Medium: Less than 1 in 30 (3.3%) but greater than or equal to 1 in 100 (1%) chance in any given year
- Low: Less than 1 in 100 (1%) but greater than or equal to 1 in 1,000 (0.1%) chance in any given year
- Very Low: Less than 1 in 1,000 (0.1%) chance in any given year

This information is shown on the Risk of Flooding from Surface Water map on our website.

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