

Mineral Site RD-01: Appleford Sidings, Sutton Courtenay

District: Vale of White Horse DC  
Parish: Appleford-on-Thames CP

Total Area: 7.64 Ha

	Ha	%
Area in Flood Zone 1	7.64	100
Area in Flood Zone 2	0.00	0
Area in Flood Zone 3a with Climate Change	0.00	0
Area in Flood Zone 3a	0.00	0
Area in Flood Zone 3b	0.00	0

MAIN RIVER

The Moor Ditch is located approximately 1km east of the site and flows north to join the Upper Thames which flows west to east approximately 1.4km north of the site. The Ginge Brook flows west to east to join the Upper Thames and is located approximately 2km west of the site.

FLOOD RECORDS

There are historic records of flooding along this part of the river corridor and particularly around the Oday Ditches network to the north west of the site. There are no flood defences present along the part of the watercourse adjacent to the site.

Modelling of the 1 in 100 year storm event as part of the SODC & VWHDC SFRA identifies parts of Sutton Courtenay to the west of the site to be at risk of surface water flooding.

Thames Water has records of properties experiencing flooding from sewers in the Didcot area in the last 10 years.

Location Overview



Legend

- County/District Boundary
- Parish Boundary
- Minerals Site
- Canal
- Flood Zone 2
- Flood Zone 3a
- Flood Zone 3a + CC
- Flood Zone 3b
- EA Historic Flood Outline
- Flood Defences
- Flood Storage Areas
- July 2007 Flood Records
- Groundwater Flooding
- EA Main Rivers

Sewer Flooding Incidents

0 to 0
1 to 2
3 to 4
5 to 8
9 to 11

Surface Water Flooding

1 in 100 year Max depth (m)	
0.0 - 0.1	0.5 - 0.6
0.1 - 0.2	0.6 - 0.7
0.2 - 0.3	0.7 - 0.8
0.3 - 0.4	0.8 - 5.0
0.4 - 0.5	

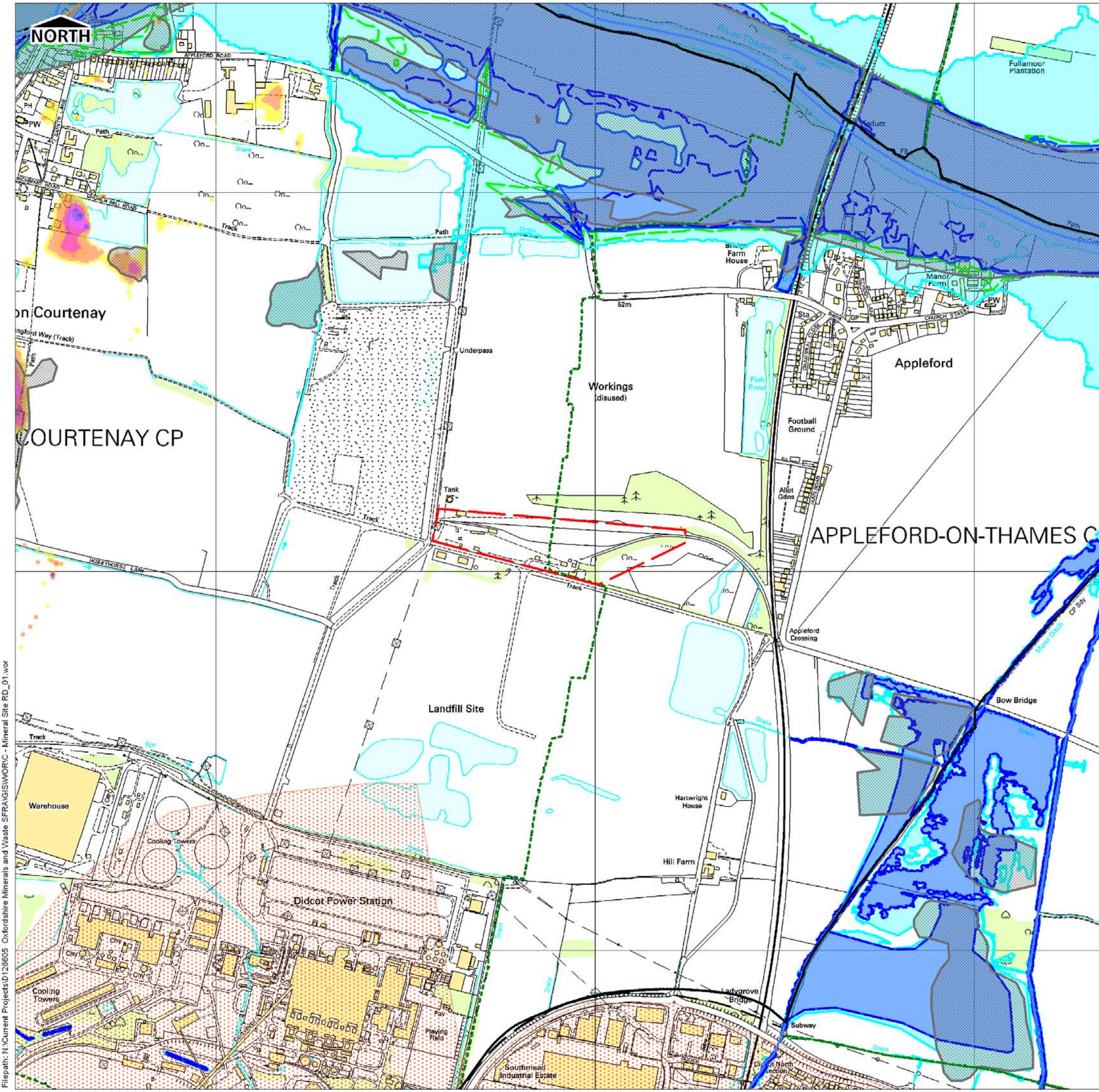
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Drawing Number

<b>D126605 / RD-01</b>			
Drawn SL	Approved EB	Date 04/10	Scale @ A3 1:10,000

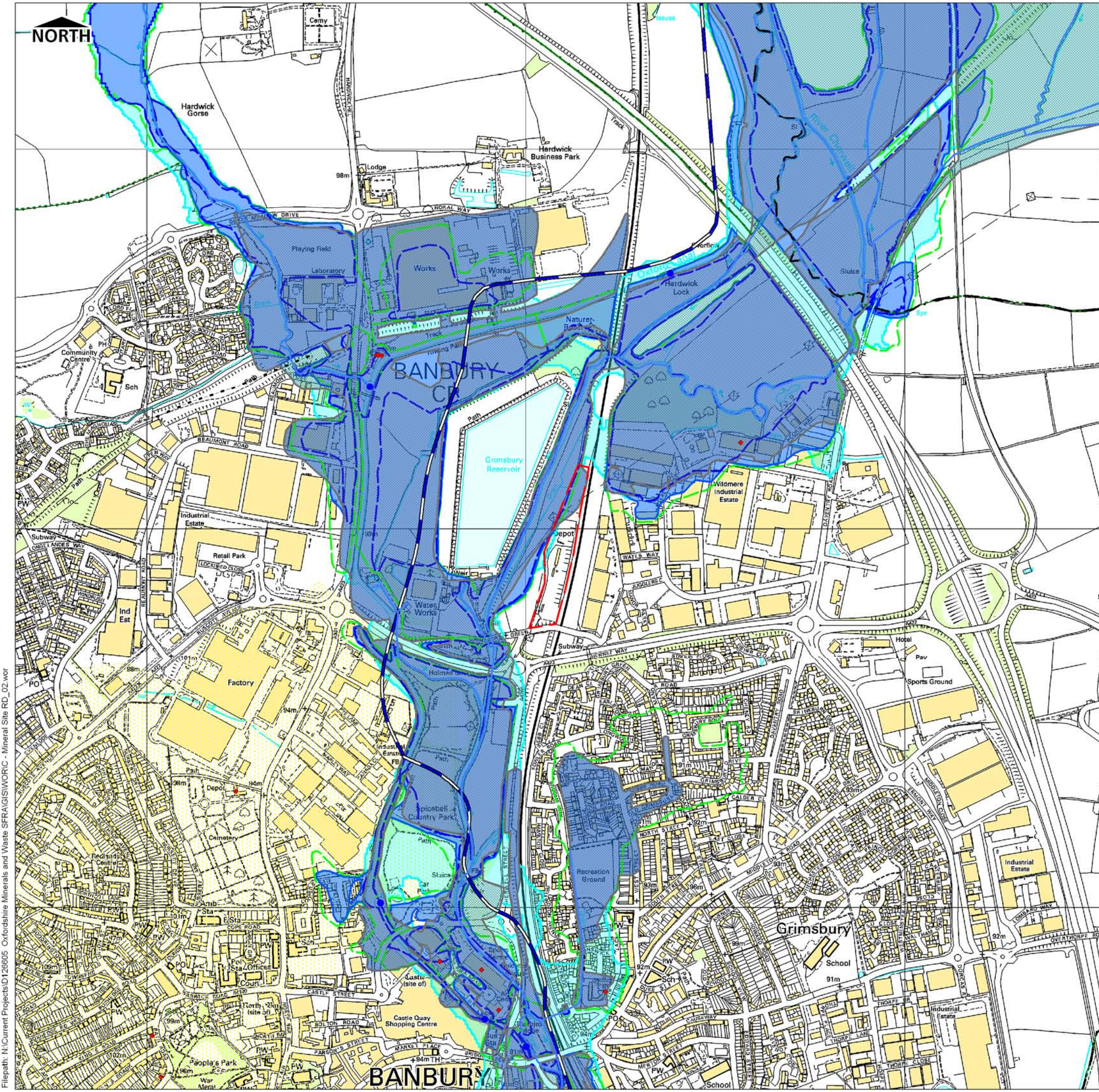


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Mineral Site RD-02: Hennef Way, Banbury

District: Cherwell DC  
Parish: Banbury CP

Total Area: 2.49 Ha

	Ha	%
Area in Flood Zone 1	1.85	74.3
Area in Flood Zone 2	0.42	16.9
Area in Flood Zone 3a with Climate Change	0.00	0.0
Area in Flood Zone 3a	0.15	6.0
Area in Flood Zone 3b	0.07	2.8

**MAIN RIVER**  
The site is located within the floodplain of the River Cherwell which flows north to south around the through Banbury town centre.

The Oxford Canal is located 0.4km to west of the site, the other side of the Grimsby reservoir.

**FLOOD RECORDS**  
There are records of flooding from the River Cherwell along this part of the river corridor, affecting the northern part of the site.

There have been reported incidents of flooding from the River Cherwell at 3 properties in north Banbury.

**NB:** the surface water modelling for the 1 in 100 year storm has only been undertaken for SODC and VWHDC as part of their combined SFRA.

**ENVIRONMENT AGENCY COMMENTS**  
The Environment Agency are currently promoting a Flood Alleviation Scheme in Banbury. Any works or proposals should be cross-checked with the Environment Agency proposals to ensure they do not conflict.

Location Overview



- Legend**
- County/District Boundary
  - Parish Boundary
  - Minerals Site
  - Canal
  - Flood Zone 2
  - Flood Zone 3a
  - Flood Zone 3a + CC
  - Flood Zone 3b
  - EA Historic Flood Outline
  - Flood Defences
  - Flood Storage Areas
  - July 2007 Flood Records
  - Groundwater Flooding
  - EA Main Rivers
  - Canal Overtopping Incidents (BW, July 2007)

**Sewer Flooding Incidents**

0 to 0
1 to 2
3 to 4
5 to 8
9 to 11

**Surface Water Flooding**  
1 in 100 year: Max depth [m]

0.0 - 0.1	0.5 - 0.6
0.1 - 0.2	0.6 - 0.7
0.2 - 0.3	0.7 - 0.8
0.3 - 0.4	0.8 - 5.0
0.4 - 0.5	

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Drawing Number

**D126605 / RD-02**

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SL	EB	09/10	1:10,000

South Oxfordshire District Council  
Vale of White Horse  
OXFORD CITY COUNCIL  
Cherwell DISTRICT COUNCIL  
WEST OXFORDSHIRE DISTRICT COUNCIL

**OXFORDSHIRE COUNTY COUNCIL**  
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Mineral Site RD-03: Oxford Road, Kidlington

District: Cherwell DC  
Parish: Gosford and Water Eaton CP

Total Area: 0.47 Ha

	Ha	%
Area in Flood Zone 1	0.47	100
Area in Flood Zone 2	0.00	0
Area in Flood Zone 3a with Climate Change	0.00	0
Area in Flood Zone 3a	0.00	0
Area in Flood Zone 3b	0.00	0

MAIN RIVER

The Kingsbridge Brook flows north to south, approximately 1.2km west of the site and the River Cherwell flows north to south approximately 1.7km to the east of the site.

FLOOD RECORDS

There are records of flooding from both of these watercourses.

There are no records of pluvial or groundwater flooding in the vicinity of the site.

NB: the surface water modelling for the 1 in 100 year storm has only been undertaken for SODC and VVHDC as part of their combined SFRA.

Location Overview



Legend

- County/District Boundary
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- Canal
- Flood Zone 2
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- Flood Defences
- Flood Storage Areas
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- Groundwater Flooding
- EA Main Rivers

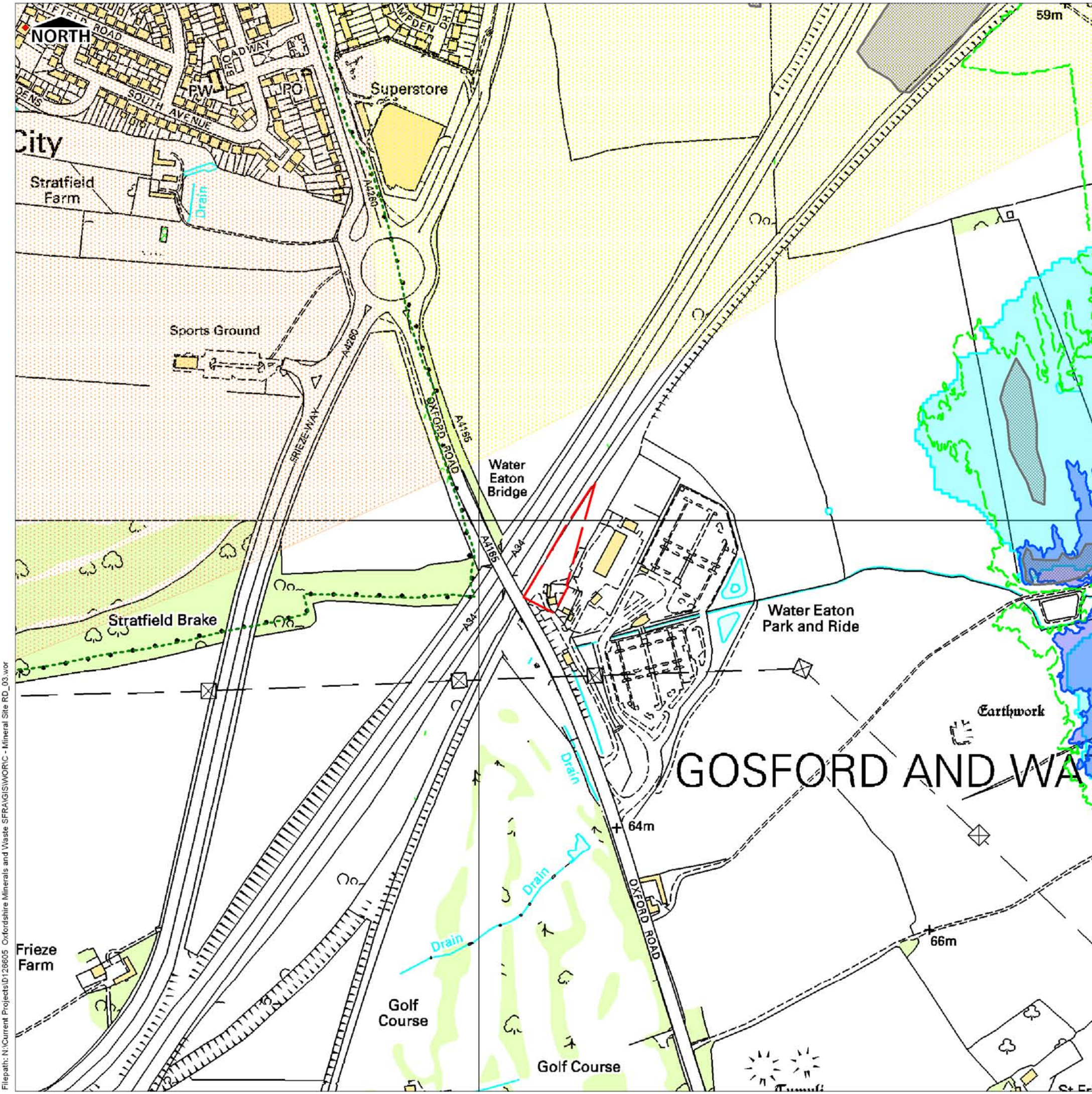
Sewer Flooding Incidents	Surface Water Flooding
0 to 0	1 in 100 year Max depth (m)
1 to 2	0.0 - 0.1
3 to 4	0.1 - 0.2
5 to 8	0.2 - 0.3
9 to 11	0.3 - 0.4
	0.4 - 0.5
	0.5 - 0.6
	0.6 - 0.7
	0.7 - 0.8
	0.8 - 5.0

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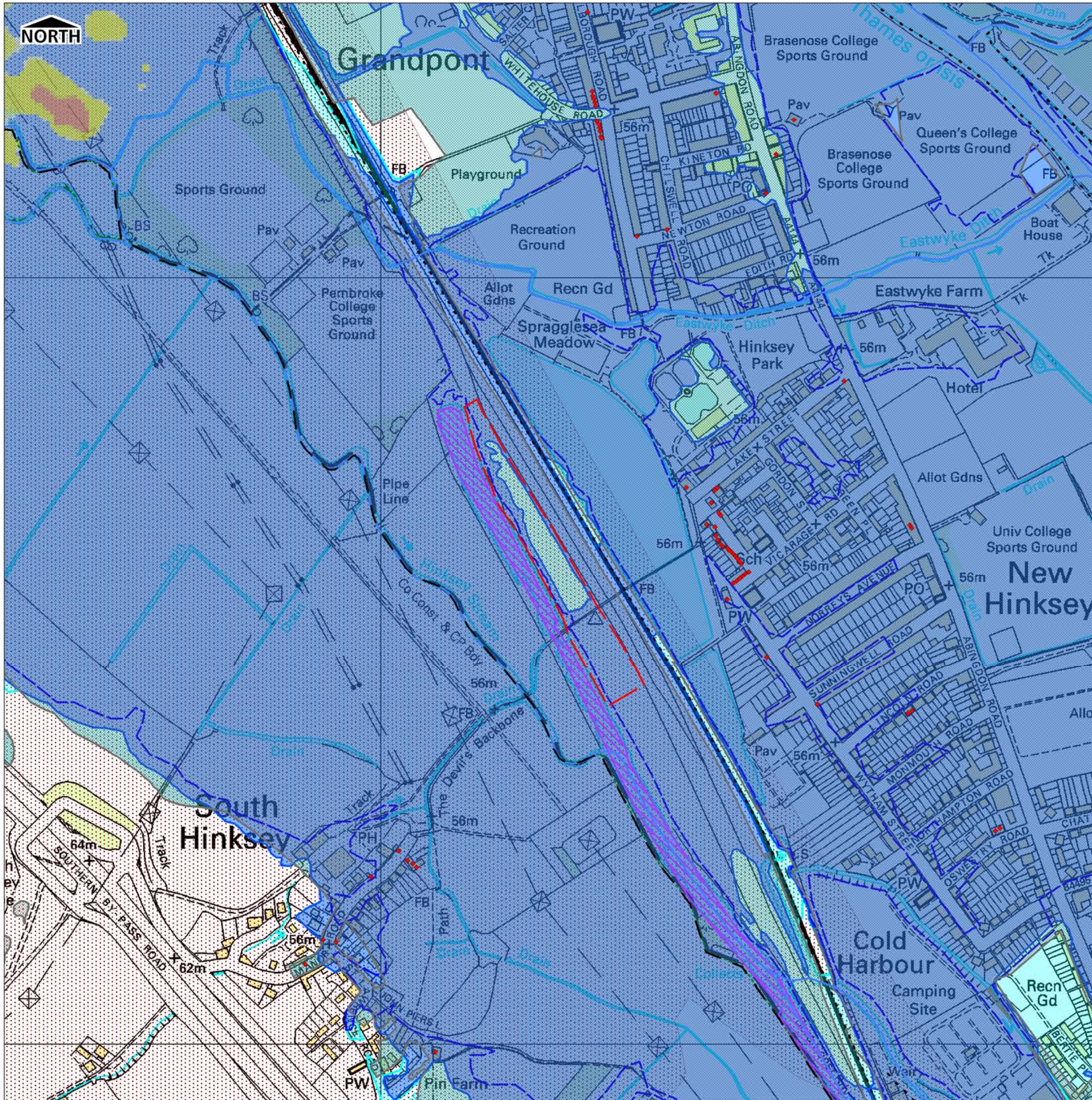


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Mineral Site RD-04: Hinksey Sidings

District: Oxford City

Total Area: 1.86 Ha

	Ha	%
Area in Flood Zone 1	0.00	0
Area in Flood Zone 2	0.00	0
Area in Flood Zone 3a with Climate Change	0.00	0
Area in Flood Zone 3a	1.86	100
Area in Flood Zone 3b	0.00	0

MAIN RIVER

The site lies within the functional floodplain (Flood Zone 3b) of the Hinksey Stream, which flows north to south. The Upper River Thames and the River Cherwell also flow north to south, to the east of the site and create between them a large area of floodplain around the western edge of Oxford.

FLOOD RECORDS

The historic flood outline covers a considerable area of west Oxford and there are numerous recorded incidents of fluvial flooding in New Botley, Osney, Grandpont New Hinksey and South Hinksey.

Modelling of the 1 in 100 year storm event as part of the SODC & VWHDC SFRA identifies large parts of Botley and North Hinksey to be at risk of surface water flooding.

There are no recorded incidents of groundwater flooding in the area.

ENVIRONMENT AGENCY COMMENTS

The Environment Agency are currently promoting a Flood Alleviation Scheme in Oxford. Any works or proposals should be cross-checked with the Environment Agency proposals to ensure they do not conflict.

Location Overview



Legend

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- Flood Defences
- Flood Storage Areas
- July 2007 Flood Records
- Groundwater Flooding
- EA Main Rivers

Sewer Flooding Incidents	Surface Water Flooding
0 to 0	1 in 100 year: Max depth [m]
1 to 2	0.0 - 0.1
3 to 4	0.1 - 0.2
5 to 8	0.2 - 0.3
9 to 11	0.3 - 0.4
	0.4 - 0.5
	0.5 - 0.6
	0.6 - 0.7
	0.7 - 0.8
	0.8 - 5.0

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