

Crushed Rock: Resource Area 1

District: Cherwell DC

Total Area: 44,500 Ha

	Ha	%
Area in Flood Zone 1	42716	96
Area in Flood Zone 2	0	0
Area in Flood Zone 3a with Climate Change	186	0.4
Area in Flood Zone 3a	17	0.0
Area in Flood Zone 3b	1581	3.6

MAIN RIVER
The River Evenlode and River Glyme flow east and south respectively to join the Upper Thames just south of the Resource Area.

The Windrush flows west to east in the south west part of the Resource Area.

FLOOD RECORDS
There are records of properties affected by flooding from the Evenlode and its tributaries at Ascot-Under-Wychwood, Shipton-Under-Wynchwood and Charlbury.

Properties in Burford and Asthall are recorded to have been affected by flooding from the Windrush.

Properties in Middle Barton, in the north east of the Resource Area, have reportedly been affected by flooding from a tributary of the River Glyme.

Thames Water has records of properties affected by sewer flooding in the Wootton and Woodstock area.

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

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

Location Overview

Legend

- County/District Boundary
- Parish Boundary
- Minerals Resource Area
- 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 / Crushed Rock 1

Drawn	Approved	Date	Scale @ A3
SL	EB	09/10	1:150,000

South Oxfordshire District Council
Oxford City Council
Vale of White Horse

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Crushed Rock: Resource Area 2

District: West Oxfordshire DC

Total Area: 24,150 Ha

	Ha	%
Area in Flood Zone 1	22,526	93.3
Area in Flood Zone 2	79	0.3
Area in Flood Zone 3a with Climate Change	186	0.8
Area in Flood Zone 3a	97	0.4
Area in Flood Zone 3b	1,262	5.2

MAIN RIVER

The River Cherwell flows north to south along the eastern edge of the Resource Area, adjacent to the Oxford Canal.

The Hook Norton Brook, Sor Brook, Bloxham Brook and Deddington Brook flow east across the Resource Area to join the River Cherwell.

FLOOD RECORDS

Thames Water has records of properties affected by sewer flooding in the southern half of the Resource Area.

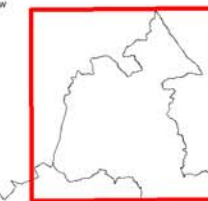
The historical flood outline shows that there are records of flooding along these main rivers.

Properties within Banbury have been affected by flooding from fluvial sources and overwhelmed drainage systems.

Properties have been affected by fluvial flooding at Lower Tadmarton, Bloxham and Adderbury, from the Sor Brook and Bloxham Brook respectively.

N.B: 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.

Location Overview



Legend

- County/District Boundary
- Parish Boundary
- Minerals Resource Area
- 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
 - 0.1 - 0.2
 - 0.2 - 0.3
 - 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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Drawing Number
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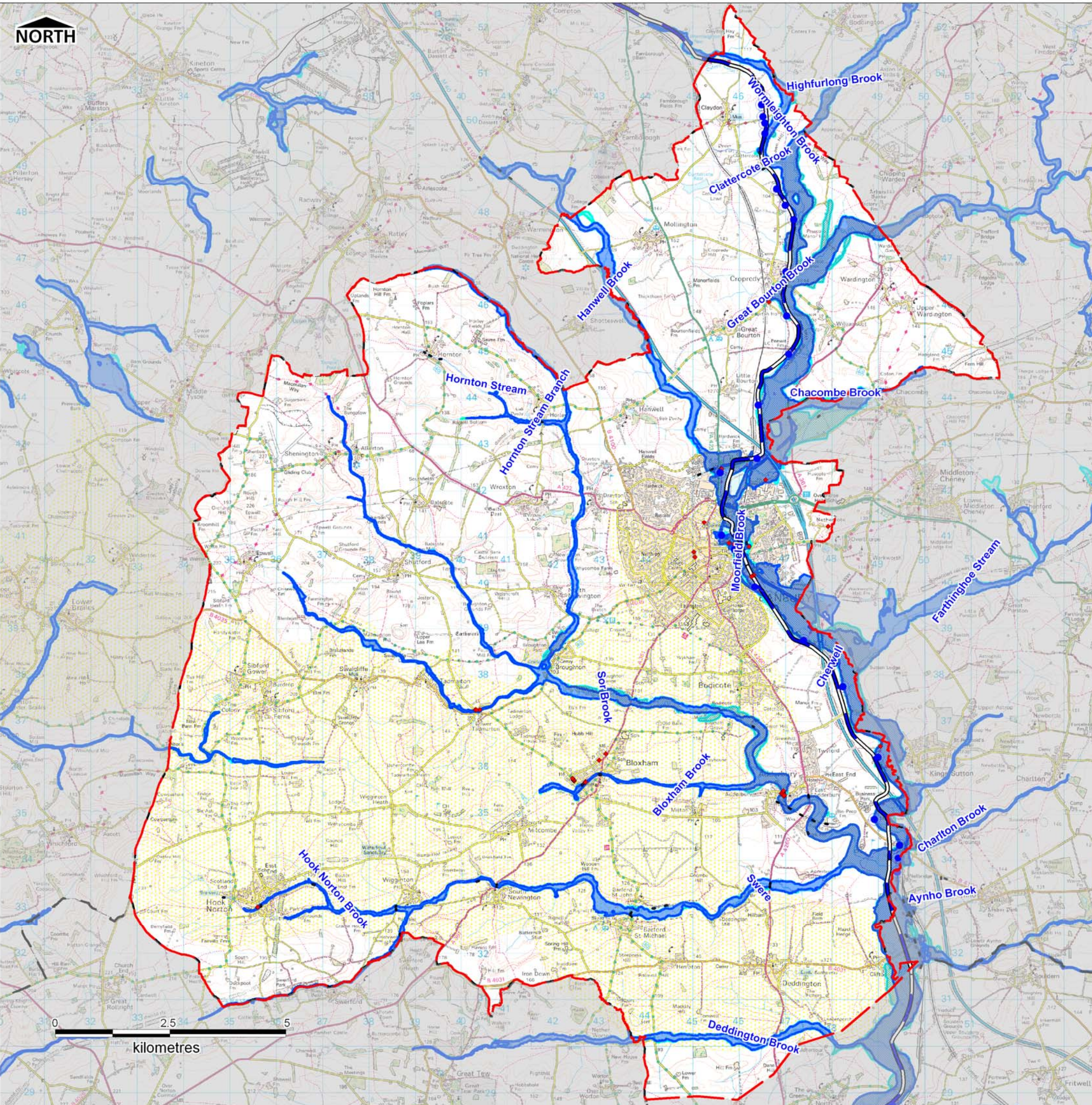
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SL	EB	09/10	1:300,000

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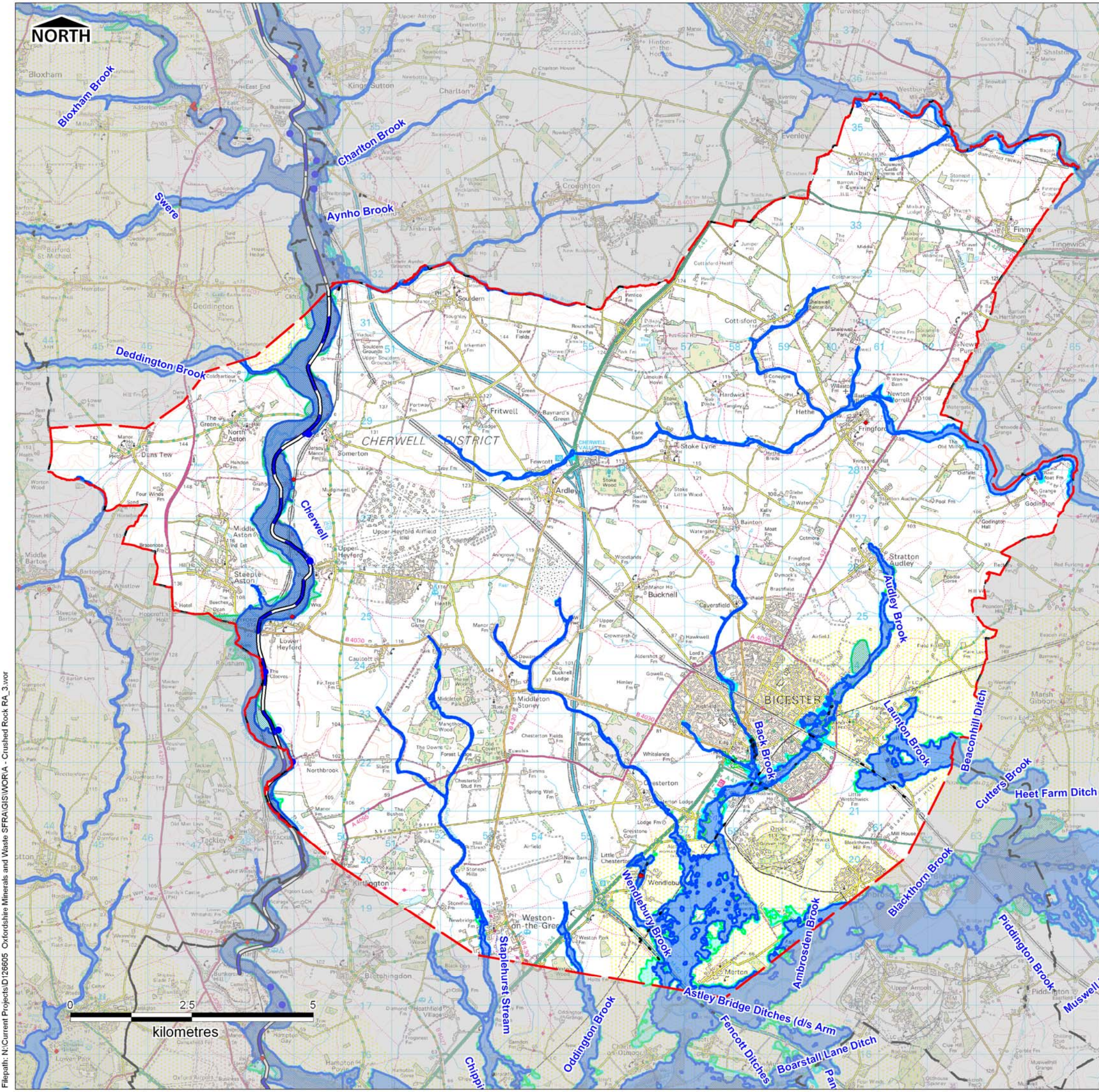


Figure Title
Crushed Rock: Resource Area 3

District: Cherwell DC

Total Area: 22,440 Ha

	Ha	%
Area in Flood Zone 1	20785	92.6
Area in Flood Zone 2	346	1.5
Area in Flood Zone 3a with Climate Change	0	0.0
Area in Flood Zone 3a	160	0.7
Area in Flood Zone 3b	1,149	5.2

MAIN RIVER
The River Cherwell and Oxford Canal are located in the western part of the Resource Area and flow from north to south. The Back Brook and Audley Brook flow south through Bicester to join the Wendlebury Brook and Merton Ditch at the south of the Resource Area.

FLOOD RECORDS
The historical flood outline shows recorded flooding along the floodplain of the River Cherwell. There are no recorded incidents of groundwater or sewer flooding in the area.

N.B: 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
- Parish Boundary
- Minerals Resource Area
- Canal
- Flood Zone 2
- Flood Zone 3a
- Flood Zone 3a + CC
- Flood Zone 3b
- EA Historic Flood Outlin
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- July 2007 Flood Records
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- 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
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Crushed Rock: Resource Area 4

District: Vale of White Horse DC

Total Area: 20,920 Ha

	Ha	%
Area in Flood Zone 1	19,132	91.5
Area in Flood Zone 2	569	2.7
Area in Flood Zone 3a with Climate Change	5	0.0
Area in Flood Zone 3a	12	0.1
Area in Flood Zone 3b	1,203	5.7

MAIN RIVER

The River Ock and associated tributaries flow west to east along the south of the Resource Area. The Upper Thames River flows west to east to the north of the Resource Area and around the eastern end.

FLOOD RECORDS

Properties in Charney Bassett have been affected by fluvial flooding from the River Ock and Charney Wick Ditch.

Properties in Marcham have been affected by fluvial flooding from the Marcham Brook.

Properties in Appleton have been affected by flooding from overwhelmed drainage systems.

Thames Water has records of properties affected by sewer flooding in Coleshill and Kennington and South Hinksey.

Modelling of the 1 in 100 year storm event, undertaken as part of the SODC & VWHDC SFRA, identifies Botley and Cumnor in the east of the Resource Area, parts of Shippon and Southmoor in the centre, Stanford-in-the-Vale in the south, and Faringdon in the west, to be susceptible to surface water flooding.

Location Overview



Legend

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- 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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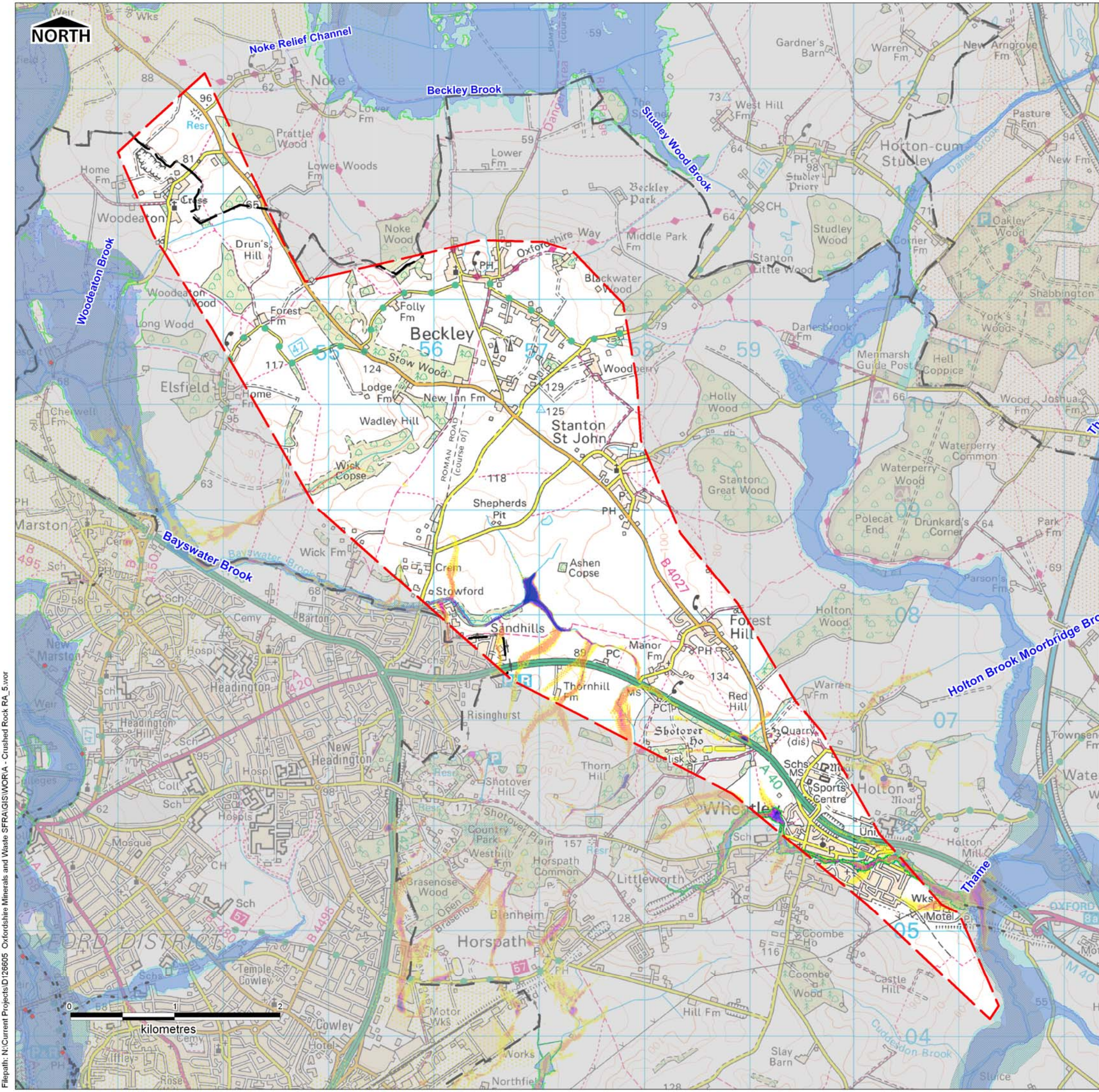
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Oxfordshire County Council, Minerals & Waste SFRA

Crushed Rock: Resource Area 5

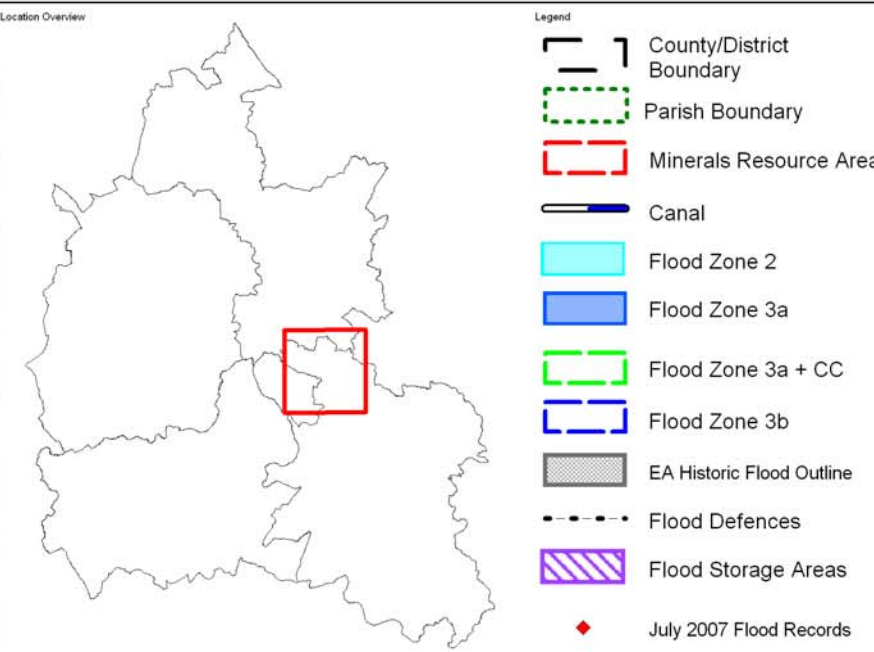
District: South Oxfordshire DC

Total Area: 1,185 Ha

	Ha	%
Area in Flood Zone 1	1,869	99.1
Area in Flood Zone 2	2	0.1
Area in Flood Zone 3a with Climate Change	0	0.0
Area in Flood Zone 3a	7	0.4
Area in Flood Zone 3b	7	0.4

MAIN RIVER
The upper reaches of the Bayswater Brook are located within the Resource Area close to Sandhills. A tributary of the River Thames flows west to east across the southern part of the Resource Area.

FLOOD RECORDS
Modelling of the 1 in 100 year storm event, undertaken as part of the SODC & VWHD SFRA, identifies parts of the southern half of the Resource Area to be at risk of surface water flooding.
There are no reported incidents of sewer or groundwater flooding in this area.



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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