
Annex E **emapsite™ Reports**

240 Pages

Annex F

Local Authority Response

52 Pages

Environmental Services Department

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19 January 2010

Dear Simon,

RE: BICESTER MOD SITES D AND E – ENVIRONMENTAL SEARCH

Thank you for your request for information relating to the above site. Please find a report detailing the information you requested below relating to sites D and E as detailed on the drawing entitled Bicester – TLB ownership. Information relating to sites A and C will be provided under separate cover.

The information included here is gathered, in part, from the Councils access to data supplied by Landmark and the British Geological Survey and is current up to 01/04/07. All other information has been obtained from a search of records held within the Environmental Services Department.

I trust this information is sufficient for your purposes.

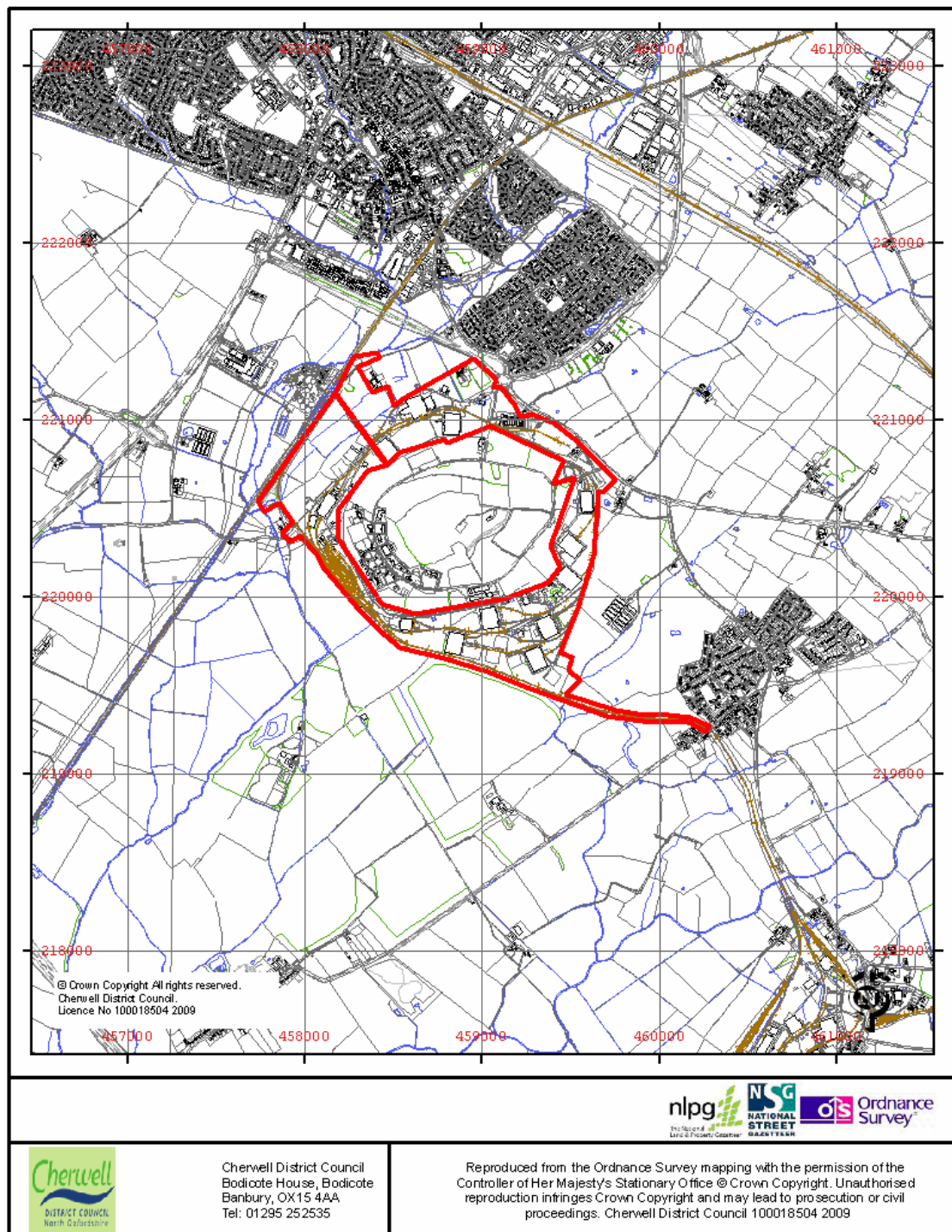
Yours sincerely

Sean Gregory
Environmental Protection Officer

Site report

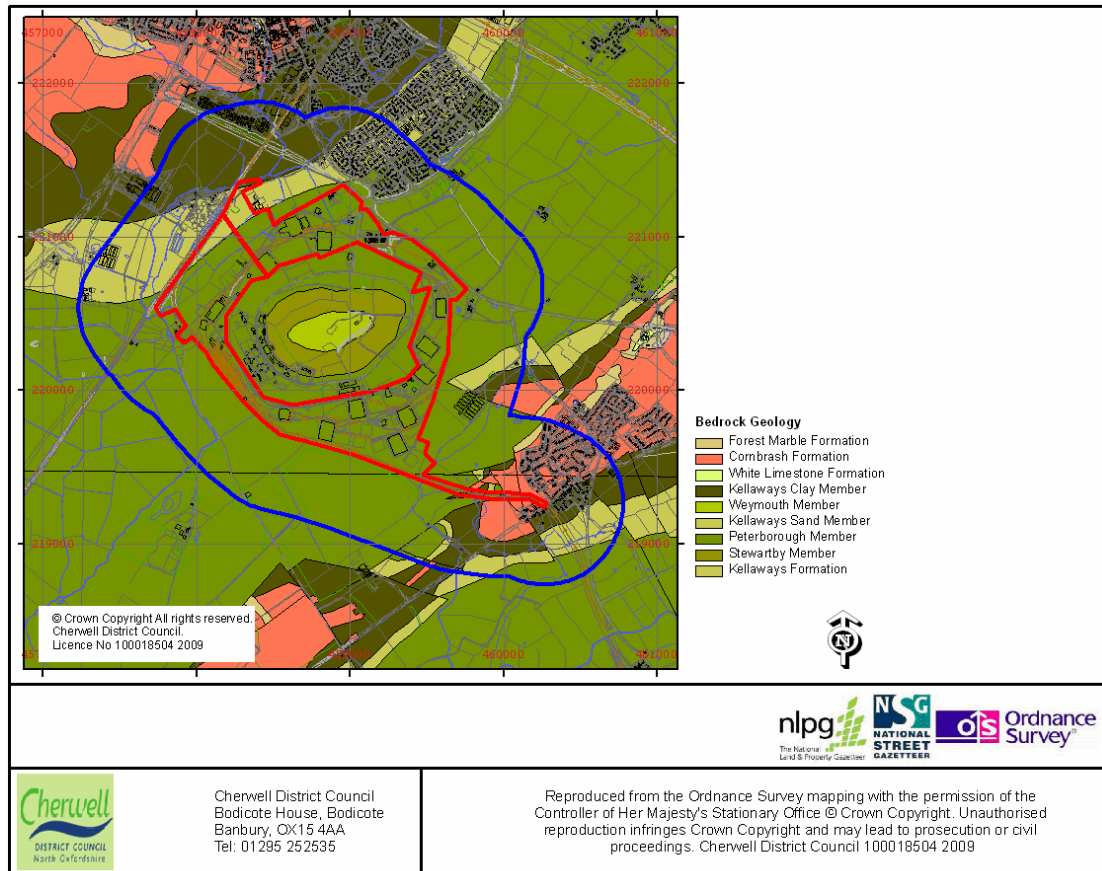
Report Name: Bicester MOD Sites D and E (Centred at 458821, 220409)

Report Number: sg 10 BicMODD&E CL



Geology

Bedrock Geology



Geological Map, British Geological Survey © NERC

The map shows the site (red) and a search radius of 500 meters (blue).

Geological maps have been extracted from the 1:50000 map series produced by the British Geological Survey.

Bedrock geology is a term used for the main mass of rocks forming the Earth's bedrock and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water. They have formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

Site Results

Rock Type
KELLAWAYS SAND MEMBER (SANDSTONE AND SILTSTONE, INTERBEDDED)
KELLAWAYS CLAY MEMBER (MUDSTONE)
PETERBOROUGH MEMBER (MUDSTONE)
CORNBRASH FORMATION (LIMESTONE)

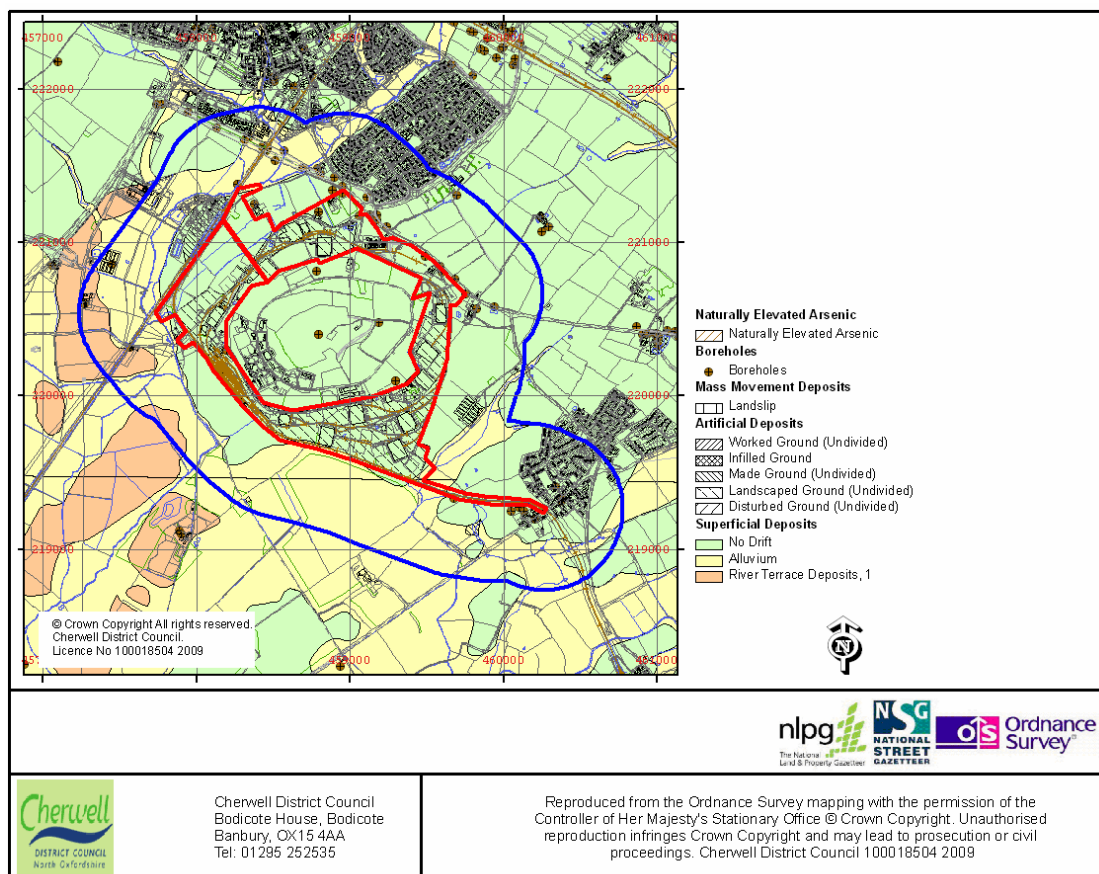
Search Radius Results

Rock Type
KELLAWAYS CLAY MEMBER (MUDSTONE)
CORNBRASH FORMATION (LIMESTONE)
PETERBOROUGH MEMBER (MUDSTONE)

Rock Type

KELLAWAYS SAND MEMBER (SANDSTONE AND SILTSTONE, INTERBEDDED)
FOREST MARBLE FORMATION (LIMESTONE AND MUDSTONE, INTERBEDDED)
WEYMOUTH MEMBER (MUDSTONE)
STEWARTBY MEMBER (MUDSTONE)

Superficial, Artificial, Mass Movement Deposits, Boreholes and Naturally Occurring Arsenic



Geological Map, British Geological Survey © NERC

The map shows the site (red) and a search radius of 500 meters (blue).

Geological maps have been extracted from the 1:50000 map series produced by the British Geological Survey.

Superficial deposits is a term used by the BGS for natural deposits formed during the most recent period of geological time, the Quaternary, which extends 1.8 million years back from the present.

Artificial deposits is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Whilst artificial or man-made deposits are not part of the 'real geology' of solid and superficial deposits it does affect them and needs recording because the near surface ground conditions are important to human activities and economic development.

Borehole information has been extracted from the British Geological Survey register of boreholes.

Superficial Deposits

Site Results

Deposit Type

NO DRIFT

Deposit Type
ALLUVIUM (CLAY, SILT, SAND AND GRAVEL)

Search Radius Results

Deposit Type
NO DRIFT
RIVER TERRACE DEPOSITS, 1 (SAND AND GRAVEL)
ALLUVIUM (CLAY, SILT, SAND AND GRAVEL)

Artificial Deposits

Site Results

Deposit Type
MADE GROUND (UNDIVIDED)
LANDSCAPED GROUND (UNDIVIDED)

Search Radius Results

Deposit Type
WORKED GROUND (UNDIVIDED)
MADE GROUND (UNDIVIDED)
LANDSCAPED GROUND (UNDIVIDED)

Mass Movement Deposits

Site Results

No mass movement deposits at the site

Search Radius Results

No mass movement deposits in the search radius

Faults

Site Results

Description
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred

Search Radius Results

Description
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred
Normal fault, inferred

Boreholes

Site Results

Ref	Name	Easting	Northing	Length(m)	Confidential
SP52SE43	C.O.D.BICESTER BH1	458800	0221200	10	N
SP52SE44	C.O.D.BICESTER BH1	458800	0221200	10	N
SP52SE45	C.O.D.BICESTER BH1	458200	0220300	10	N
SP52SE46	C.O.D.BICESTER BH2	458200	0220300	9	N
SP52SE47	C.O.D.BICESTER BH3	458200	0220300	10	N
SP52SE48	C.O.D.BICESTER BH4	458200	0220300	10	N
SP52SE71	COD BICESTER E SITE TP 1	458200	0220300	3	N
SP52SE104	BICESTER SOUTHERN BYPASS TP 18	458954	0221320	1	N
SP52SE107	BICESTER SOUTHERN BYPASS TP 21	459063	0221171	1	N
SP52SE111	BICESTER SOUTHERN BYPASS TP 25	459494	0220910	1	N
SP52SE113	BICESTER SOUTHERN BYPASS TP 27	459600	0220810	2	N

Search Radius Results

Ref	Name	Easting	Northing	Length(m)	Confidential
SP51NE256	AMBROSEDEN	459680	0219330	-1	N
SP61NW129	4-5,NEW ROW AMBROSDEN	460340	0219410	4.26	N
SP61NW130	OLD POST OFFICE AMBROSDEN	460380	0219340	6.09	N
SP61NW134	PARK FARM COTTAGES AMBROSEDEN	460210	0219200	-1	N
SP61NW135	THE TURNER ARMS AMBROSEDEN	460380	0219310	2.43	N
SP61NW139	MERTON ROAD -	460054	0219249	-1	Y

Ref	Name	Easting	Northing	Length(m)	Confidential
SP61NW140	AMBROSDEN TP1 MERTON ROAD -	460106	0219275	-1	Y
SP61NW141	AMBROSDEN TP2 MERTON ROAD -	460140	0219251	-1	Y
SP52SE1	AMBROSDEN TP3 BICESTER 1	458783	0220812	513.89	N
SP52SE10	GRAVEN HILL BICESTER	459190	0220480	88.39	N
SP52SE27/A	ENHANCEMENT OF WATER SUPPLIES	458800	0220400	1.4	N
SP52SE27/B	BICESTER B4 ENHANCEMENT OF WATER SUPPLIES	458800	0220400	2	N
SP52SE27/C	BICESTER B6 ENHANCEMENT OF WATER SUPPLIES	458800	0220400	1.2	N
SP52SE27/D	BICESTER D2 ENHANCEMENT OF WATER SUPPLIES	458800	0220400	2	N
SP52SE27/E	BICESTER D5 ENHANCEMENT OF WATER SUPPLIES	458800	0220400	1.4	N
SP52SE27/F	BICESTER D6 ENHANCEMENT OF WATER SUPPLIES	458800	0220400	1.2	N
SP52SE27/G	BICESTER D7 ENHANCEMENT OF WATER SUPPLIES	458800	0220400	1.4	N
SP52SE27/H	BICESTER D9 ENHANCEMENT OF WATER SUPPLIES	458800	0220400	1.5	N
SP52SE28	BICESTER D11 PROMISED LAND FARM	457450	0220860	15.24	N
SP52SE72	BICESTER OXON COD BICESTER NEW FIRE	459300	0220100	3	N
SP52SE73	STN TP 1 COD BICESTER NEW FIRE	459300	0220100	3	N
SP52SE74	STN TP 2 COD BICESTER NEW FIRE	459300	0220100	3	N
SP52SE75	STN TP 3 SEWAGE TREATMENT	458270	0221380	6	N
SP52SE76	WORKS BH421/1 SEWAGE TREATMENT	458270	0221380	6	N
SP52SE77	WORKS BH421/2 SEWAGE TREATMENT	458270	0221380	7.2	N
SP52SE78	WORKS BH421/3 SEWAGE TREATMENT	458270	0221380	11	N
SP52SE79	WORKS BH421/4 SEWAGE TREATMENT	458270	0221380	10.2	N
SP52SE80	WORKS BH421/5 SEWAGE TREATMENT	458270	0221380	9	N
SP52SE81	WORKS BH421/6 SEWAGE TREATMENT	458270	0221380	10	N
SP52SE82	WORKS BH421/7 SEWAGE TREATMENT	458270	0221380	8	N
SP52SE90	WORKS BH421/8 BICESTER SOUTHERN	458136	0221748	5	N
SP52SE91	BYPASS 4 BICESTER SOUTHERN	458318	0221670	6.2	N
SP52SE92	BYPASS 5 BICESTER SOUTHERN	458350	0221688	6	N
SP52SE93	BYPASS 6 BICESTER SOUTHERN	458430	0221626	7.4	N

Ref	Name	Easting	Northing	Length(m)	Confidential
SP52SE94	BYPASS 7 BICESTER SOUTHERN	458445	0221630	15.45	N
SP52SE95	BYPASS 8 BICESTER SOUTHERN	458456	0221600	25	N
SP52SE96	BYPASS 9 BICESTER SOUTHERN	458465	0221610	7.95	N
SP52SE97	BYPASS 10 BICESTER SOUTHERN	458573	0221598	8.15	N
SP52SE98	BYPASS 11 BICESTER SOUTHERN	458514	0221536	8.35	N
SP52SE99	BYPASS 12 BICESTER SOUTHERN	458698	0221488	8.5	N
SP52SE100	BYPASS 13 BICESTER SOUTHERN	458812	0221446	2	N
SP52SE101	BYPASS TP 14 BICESTER SOUTHERN	458890	0221344	2	N
SP52SE102	BYPASS TP 15 BICESTER SOUTHERN	458898	0221427	2	N
SP52SE103	BYPASS TP 16 BICESTER SOUTHERN	458950	0221364	1	N
SP52SE105	BYPASS TP 17 BICESTER SOUTHERN	459115	0221296	10	N
SP52SE106	BYPASS 19 BICESTER SOUTHERN	459135	0221182	1	N
SP52SE108	BYPASS TP 20 BICESTER SOUTHERN	459178	0221180	10	N
SP52SE109	BYPASS 22 BICESTER SOUTHERN	459177	0221146	1	N
SP52SE110	BYPASS TP 23 BICESTER SOUTHERN	459241	0221101	2	N
SP52SE112	BYPASS TP 24 BICESTER SOUTHERN	459588	0220848	2	N
SP52SE114	BYPASS TP 26 BICESTER SOUTHERN	459684	0220760	1	N
SP52SE115	BYPASS TP 28 BICESTER SOUTHERN	459760	0220668	1	N
SP52SE116	BYPASS TP 29 BICESTER SOUTHERN	459944	0220582	1	N
SP52SE159	BYPASS TP 30 ALCHESTER HOUSE	457570	0220320	25	N
SP52SE162	LANGFORD LANE LANGFORD FARM	458380	0221250	39.62	N
SP52SE167	BICESTER PROMISED LAND FARM	457270	0220600	-1	N
SP52SE168	NR.BICESTER MIDDLE WRETCHWICK	459700	0221310	-1	N
SP52SE169	FARM BICESTER WRETCHWICK FARM	459830	0220570	-1	N
SP52SE218	BICESTER ROYAL ORDNANCE	458790	0221480	9.5	N
	BICESTER OXFORDSHIRE 1				

For more information on a particular borehole contact:

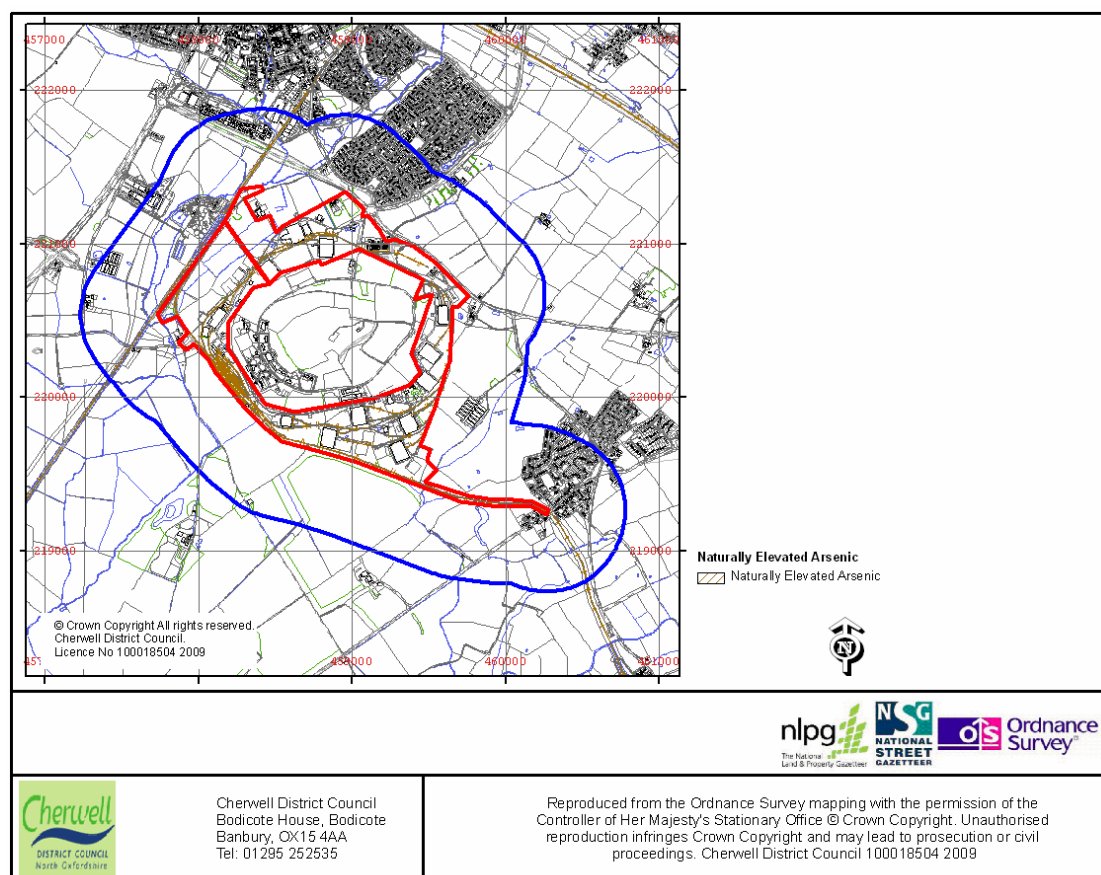
Borehole Records Enquiries
British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG

Tel: 0115 9363109

<http://www.bgs.ac.uk/enquiries/bharch.html>

All depths are in metres. A depth of ‘-1’ indicates that either the depth is unknown or that the borehole is confidential.

Naturally Occurring Arsenic



Geological Map, British Geological Survey © NERC

The map shows the site (red) and a search radius of 500 meters (blue).

The map showing areas of naturally elevated arsenic was derived from the BGS Bedrock Geology map.

Naturally Elevated Arsenic

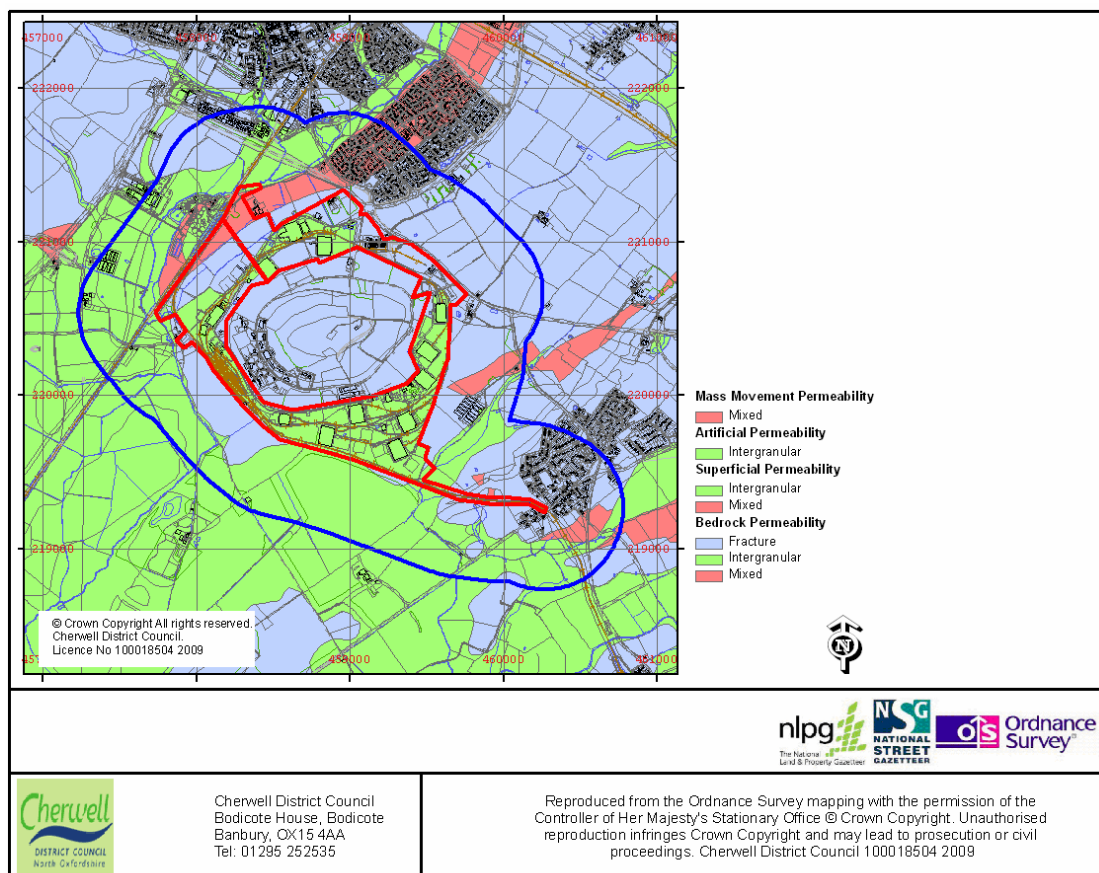
Site Results

No naturally elevated arsenic at the site

Search Radius Results

No naturally elevated arsenic in the search radius

Permeability of Rocks



Geological Map, British Geological Survey © NERC

The map shows the site (red) and a search radius of 500 meters (blue).

Permeability refers to the movement of water, and other fluids, through rocks and the potential for contamination of the underground fresh water supply. Permeability values indicate the vulnerability of the rock to groundwater pollution from the surface and are a measure of the fastest route by which any pollutant could travel through rocks and enter the underground water resource.

Bedrock Permeability

Site Results

Flow Type
Fracture
Mixed

Search Radius Results

Flow Type
Fracture
Mixed

Superficial Permeability

Site Results

Flow Type
Intergranular

Search Radius Results

Flow Type
Intergranular

Artificial Permeability

Site Results

Flow Type
Intergranular

Search Radius Results

Flow Type
Intergranular

Mass Movement Permeability

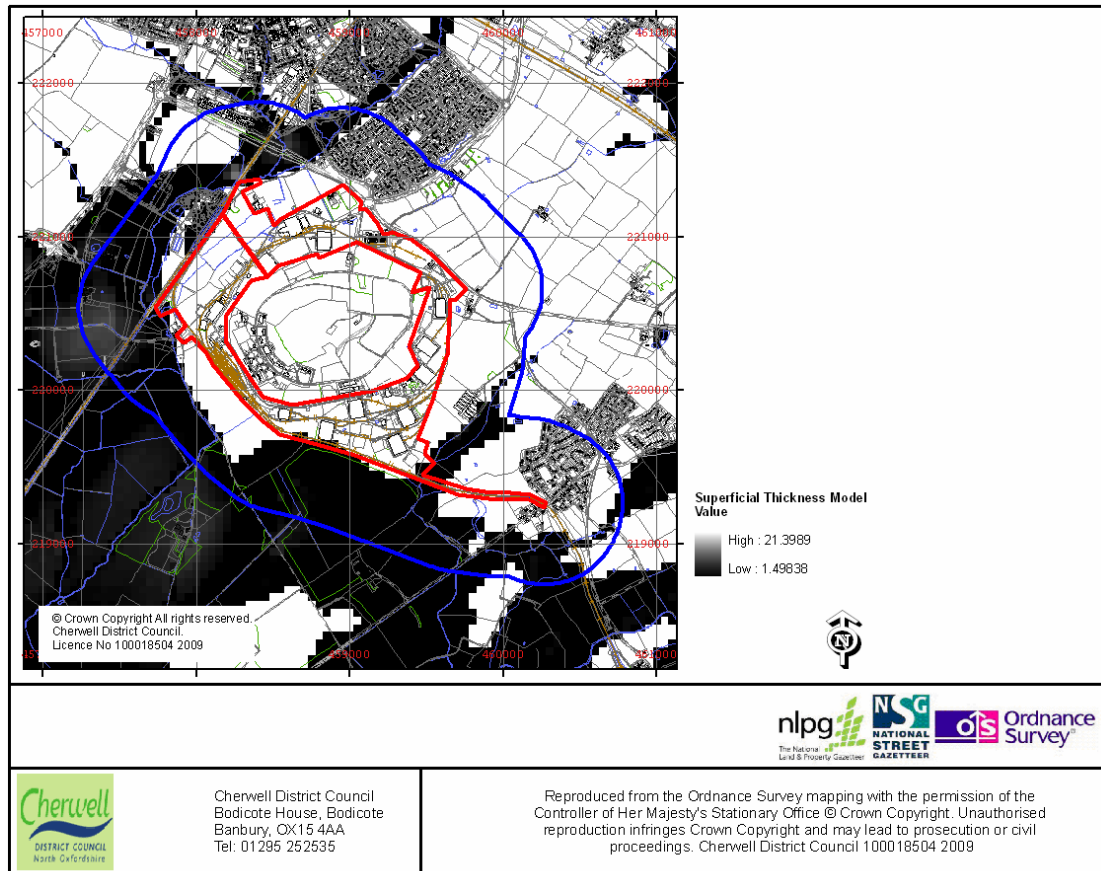
Site Results

No mass movement permeability ratings in the search radius

Search Radius Results

No mass movement permeability ratings in the search radius

Superficial Thickness



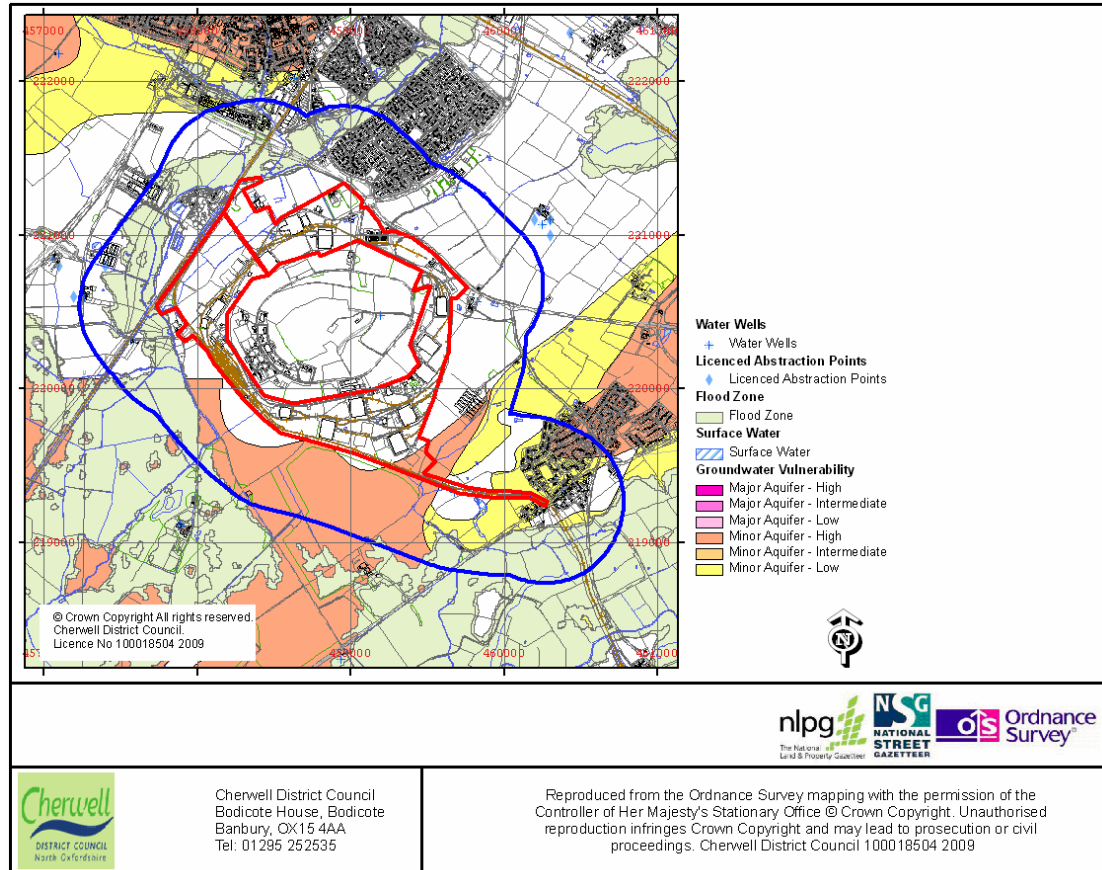
Geological Map, British Geological Survey © NERC

The map shows the site (red) and a search radius of 500 meters (blue).

The superficial thickness elevation model represents the first attempt by BGS to create nationwide models of such data. The models provide only a simple, mathematical interpretation of reality. The complexity of Superficial deposits in Great Britain is such that it is only possible to model indicative values of thickness and elevation. The models should never be used as a substitute for thorough site investigation.

For the purposes of modelling, superficial deposits include sediments deposited during the Quaternary, subsequent Holocene rivers and coastal systems and also modern anthropogenic material. i.e. deposits that are less than 2.6 million years old.

Hydrology



Groundwater Vulnerability and Water Abstraction Licences © Environment Agency

The map shows the site (red) and a search radius of 500 meters (blue).

The British Geological Survey holds a register of both used and disused water wells at it's office in Wallingford, Oxfordshire which date back over 150 years. This register has been interrogated to produce the water well information. Depth information recorded for water wells is measured in metres.

Surface water information was derived from Os MasterMap.

Groundwater vulnerability and Water Abstractions Licenses information comes from the Environment Agency.

Surface Water

Site Results

Description
Inland Water
Inland Water
Inland Water
Inland Water
Inland Water
Inland Water
Inland Water
Inland Water

Description
Inland Water
Inland Water
Inland Water
Inland Water
Inland Water

Water Wells

Site Results

No water wells present at the site

Search Radius Results

Reference	Location	Easting	Northing	Depth(m)	Year
SP52SE168/BJ	MIDDLE WRETCHWICK FARM BICESTER	459700	221310	0	
SP52SE10/BJ	GRAVEN HILL BICESTER	459200	220480	88.4	1941
SP52SE169/BJ	WRETCHWICK FARM BICESTER	459830	220570	0	
SP52SE28/BJ	PROMISED LAND FARM ALCESTER	457450	220860	15.2	1983
SP51NE256/BJ	AMBROSEDEN	459680	219330	0	
SP52SE167/BJ	PROMISED LAND FARM , CHESTERTON	457270	220600	3.7	
SP61NW129/BJ	4-5,NEW ROW AMBROSDEN	460340	219410	4.3	
SP61NW130/BJ	OLD POST OFFICE AMBROSDEN	460380	219340	6.1	
SP61NW134/BJ	PARK FARM COTTAGES AMBROSEDEN	460210	219200	0	
SP61NW135/BJ	THE TURNER ARMS AMBROSEDEN	460380	219310	2.4	
SP52SE159/BJ	ALCHESTER HOUSE	457570	220320	25	1995
SP52SE162/BJ	LANGFORD FARM BICESTER	458380	221250	39.6	

Private Water Wells

Site Results

No private water wells present at the site

Search Radius Results

Address1	Address2	Address 3	National Grid Reference	Supply Type	Supply Use
Langford Lane Crossing*	Wendlebury	Bicester	SP5758020303	Borehole	
Promised Land Farm	Wendlebury Road	Chesterton	SP5727320603	Shallow Well	

Water Abstraction Sites

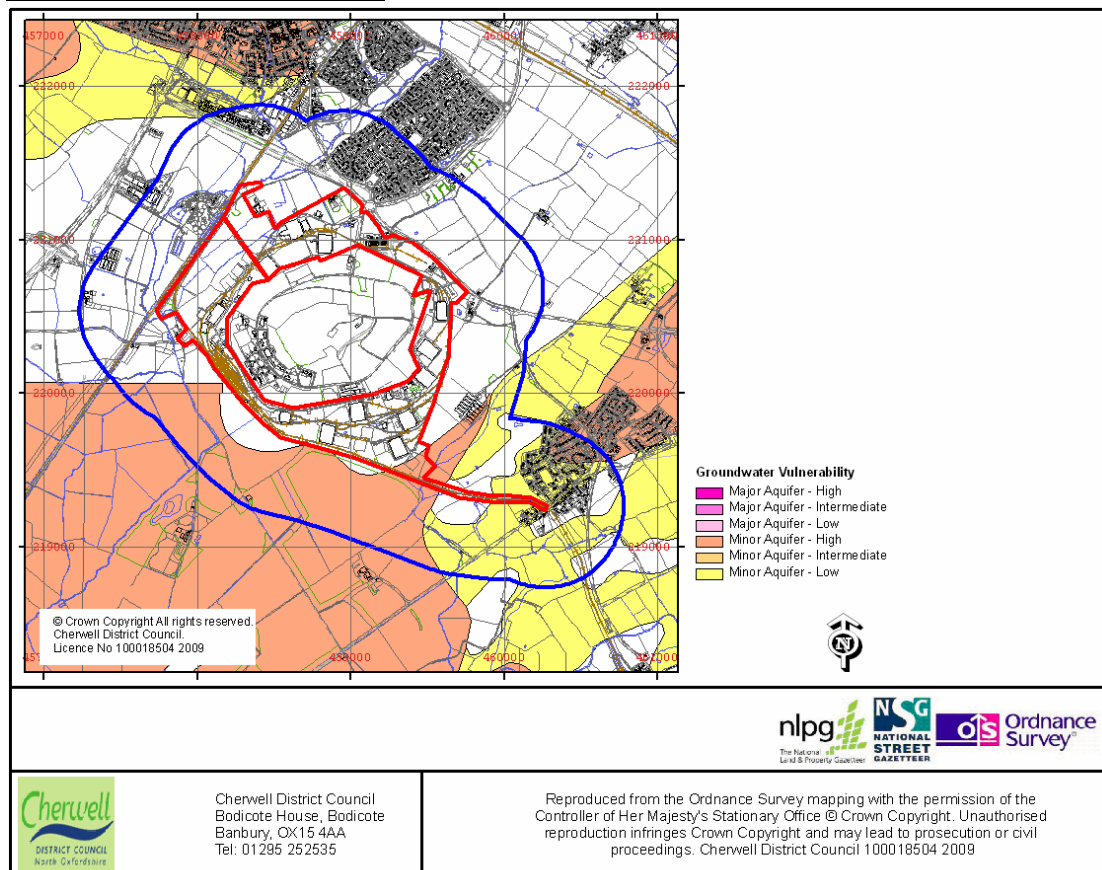
Site Results

No EA licensed water abstraction sites at the site

Search Radius Results

License	Name	Point Name	Easting	Northing	Use
28/39/14/0295	FACCENDA CHICKEN LTD	WENDLEBURY LANE, BICESTER (A)	457400	220800	General Farming & Domestic
28/39/14/0295		WENDLEBURY LANE, BICESTER (A)	457400	220800	

Groundwater Vulnerability



Groundwater Vulnerability data © Environment Agency

The map shows the site (red) and a search radius of 500 meters (blue).

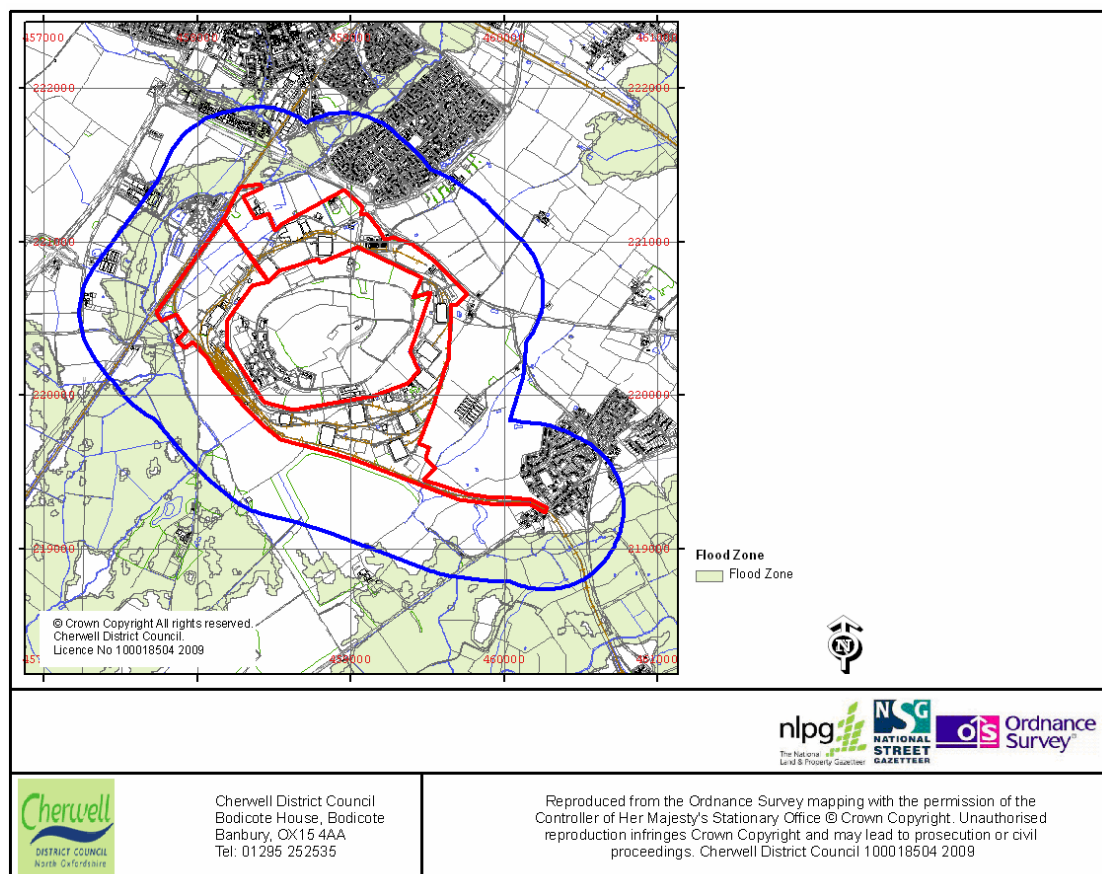
Site Results

Classification
Minor Aquifer - Low
Minor Aquifer - High 1

Search Radius Results

Classification
Minor Aquifer - High 1
Minor Aquifer - Low

Flood Zone



Flood Zone data © Environment Agency

The map shows the site (red) and a search radius of 500 meters (blue).

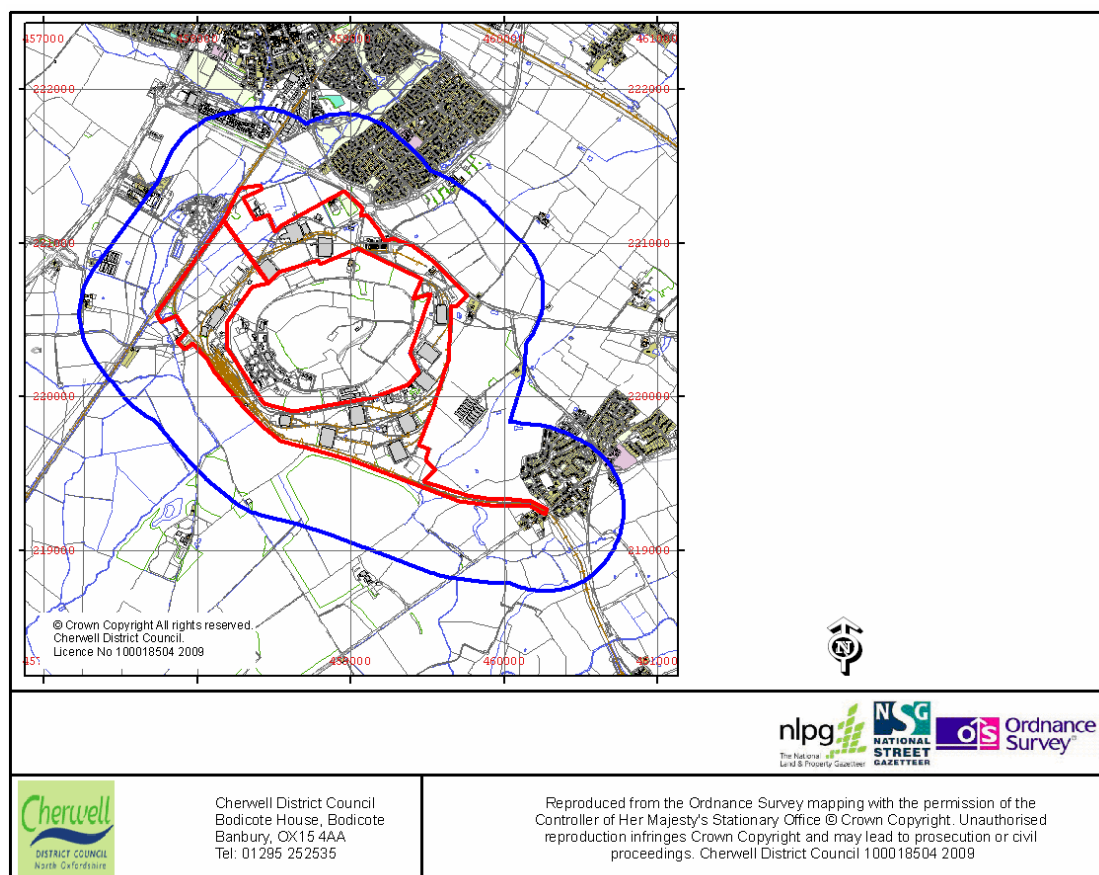
Site Results

Zone Name
ZONE3
ZONE2

Search Radius Results

Zone Name
ZONE3
ZONE2

Current Land Use



The map shows the site (red) and a search radius of 500 meters (blue).

The current land use (c.2005) information is based on information from OS MasterMap, OS Address Point and Aerial photographs.

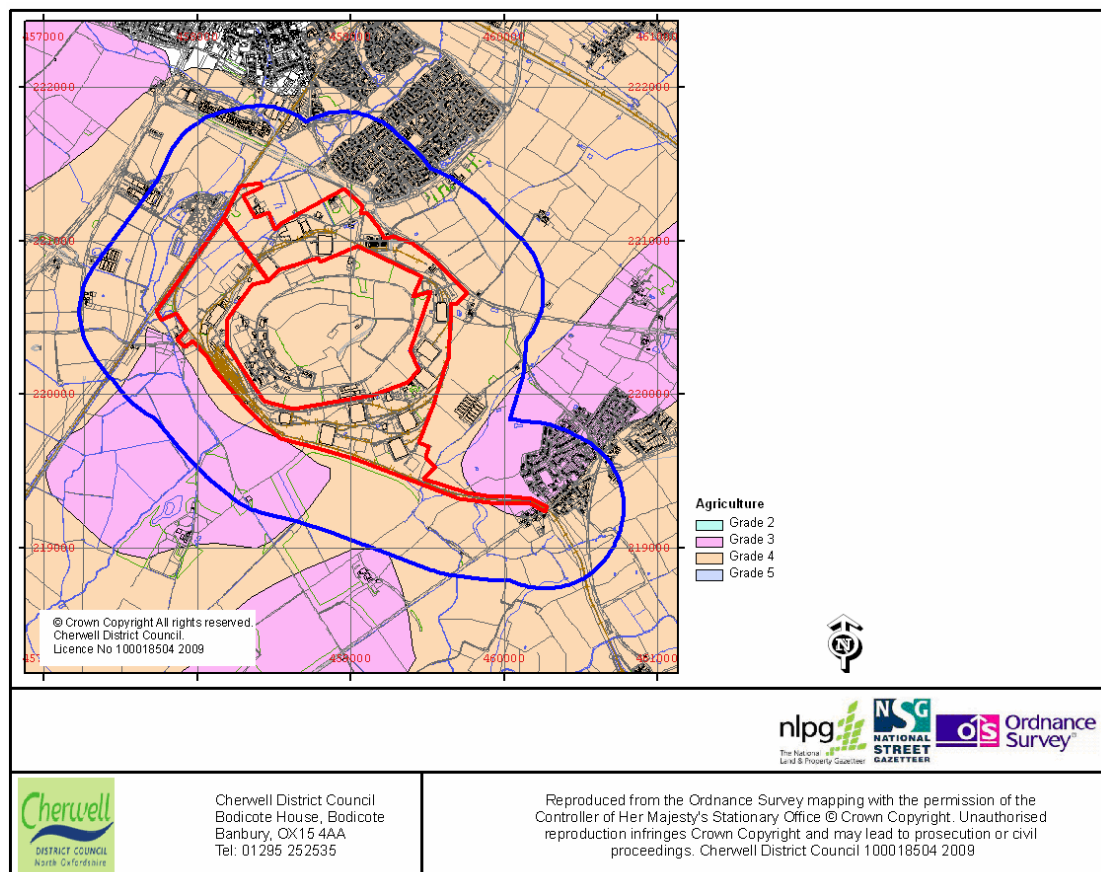
Site Results

Land use
Industrial/Commercial
Sensitive Open Areas
Residential Property
Residential Garden

Search Radius Results

Land use
Industrial/Commercial
Residential Property
Residential Garden
Sensitive Open Areas
Education

Agriculture



The map shows the site (red) and a search radius of 500 meters (blue).

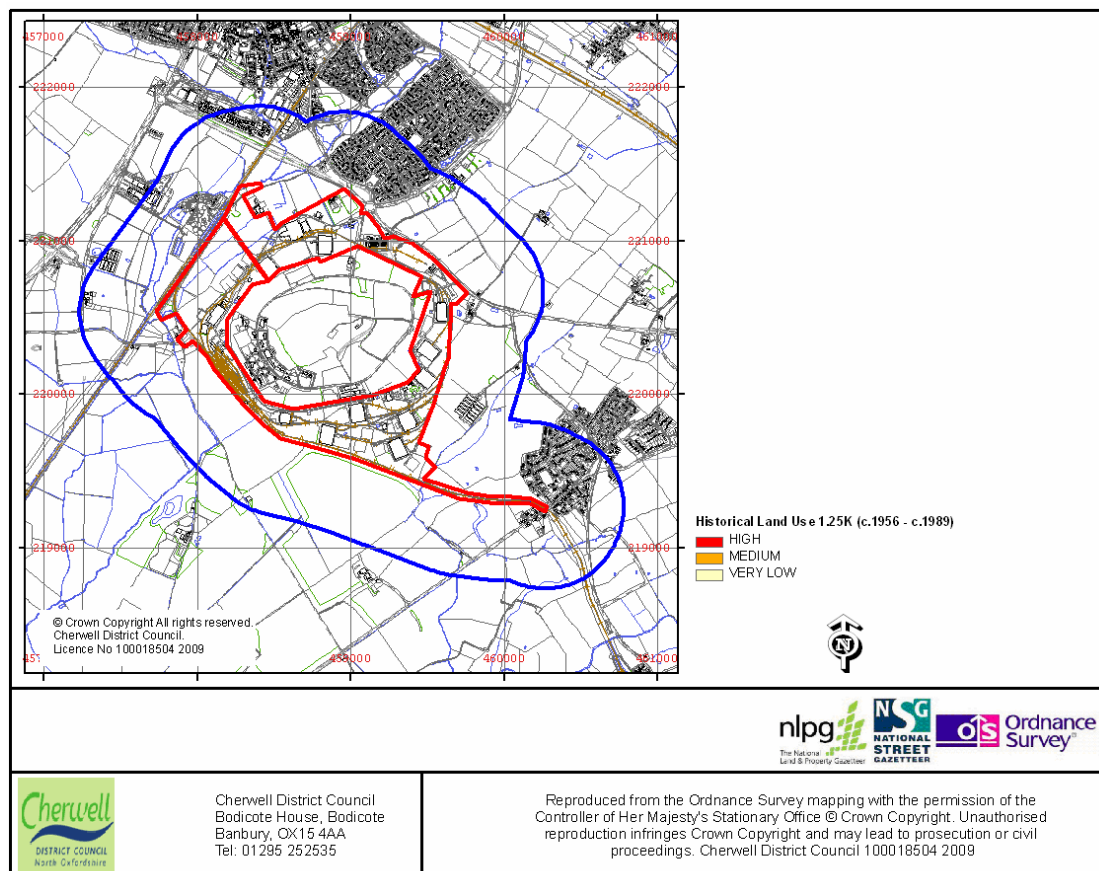
Site Results

Description
GRADE 3
GRADE 4

Search Radius Results

Description
GRADE 3
GRADE 4

Historical Land Use 1.25K (c.1956 - c.1989)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use 1.25K (c.1956 - c.1989) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1956 - 1989.

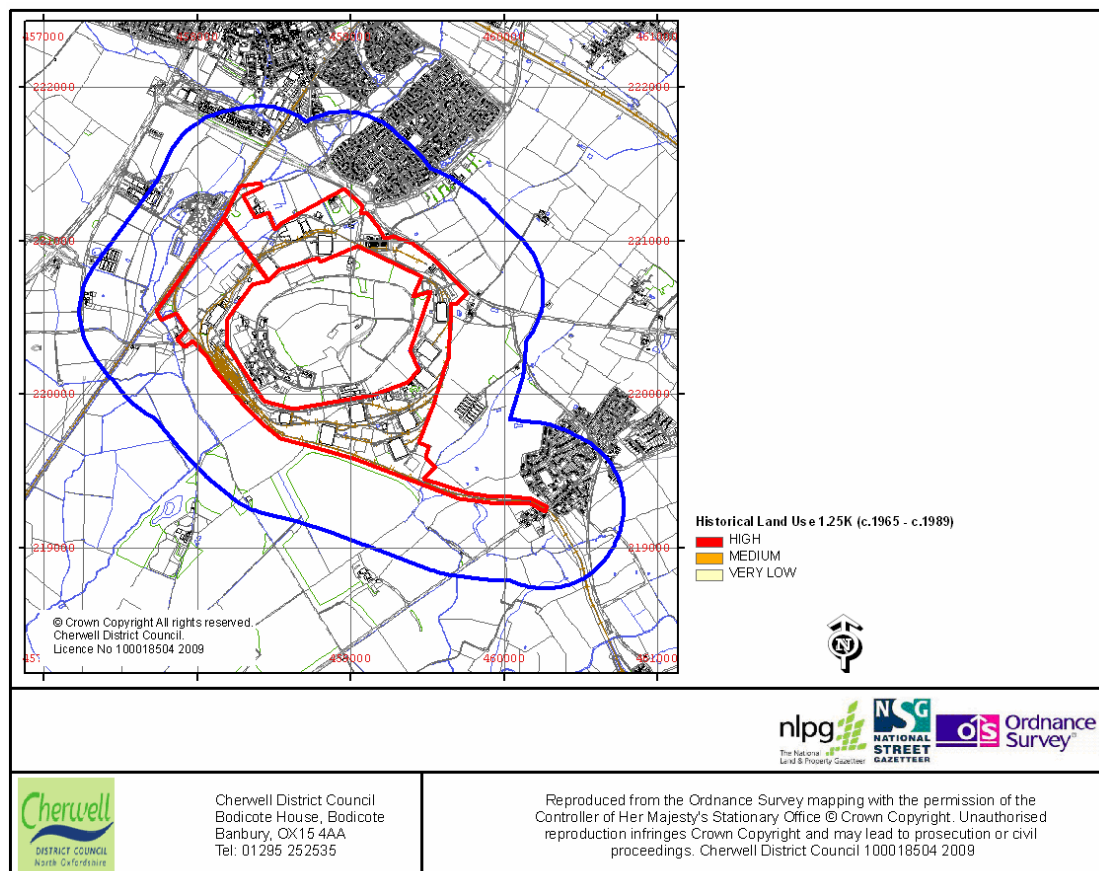
Site Results

No historical land use 1.25K (c.1956 - c.1989) mapped at the site

Search Radius Results

No historical land use 1.25K (c.1956 - c.1989) mapped in the search radius

Historical Land Use 1.25K (c.1965 - c.1989)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use 1.25K (c.1965 - c.1989) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1965 - 1989.

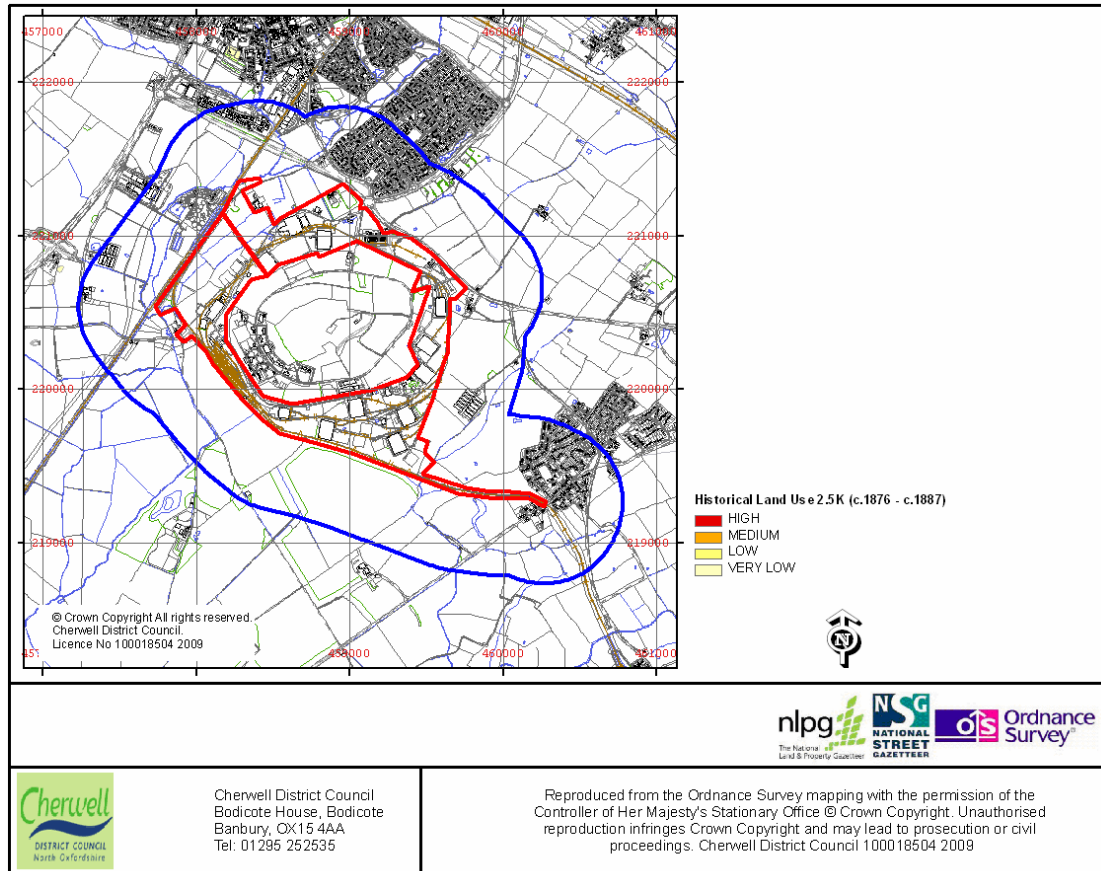
Site Results

No historical land use 1.25K (c.1965 - c.1989) mapped at the site

Search Radius Results

No historical land use 1.25K (c.1965 - c.1989) mapped in the search radius

Historical Land Use 2.5K (c.1876 - c.1887)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use 2.5K (c.1876 - c.1887) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1876 -1887.

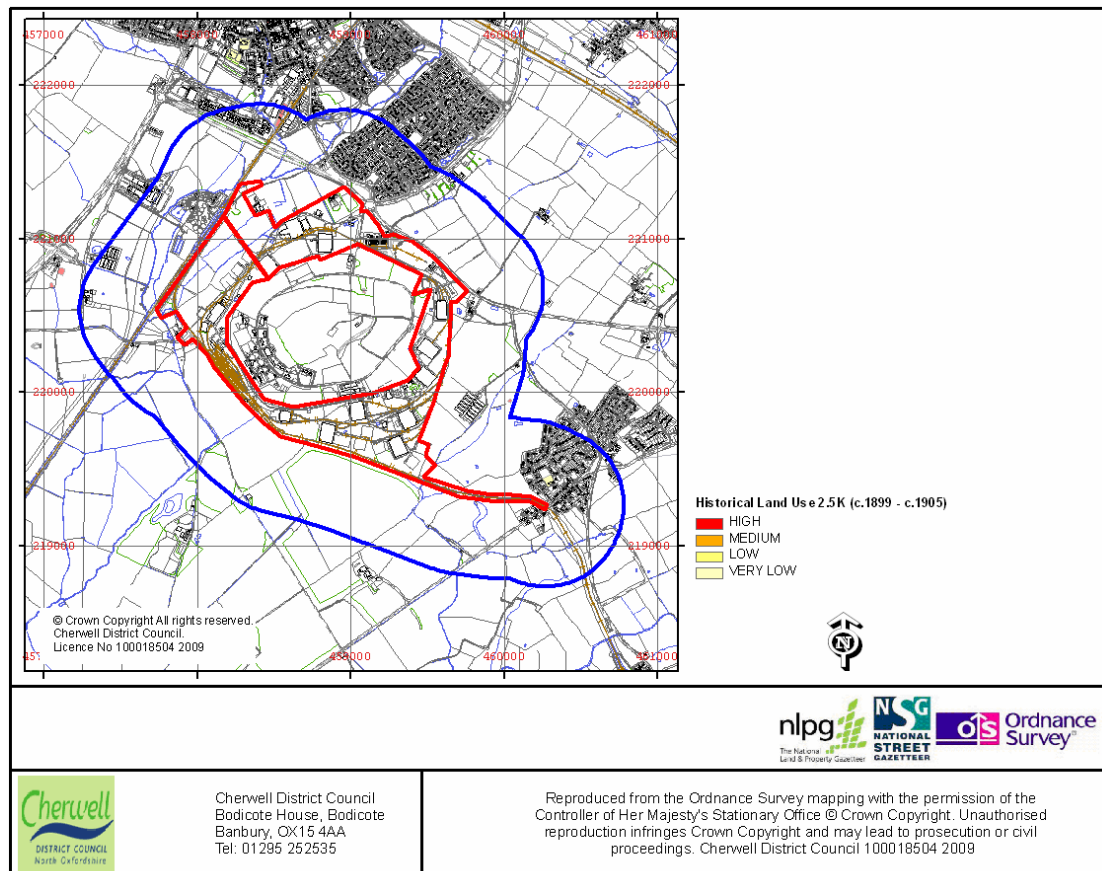
Site Results

No historical land use 2.5K (c.1876 - c.1887) mapped at the site

Search Radius Results

Description	Ranking
Sewerage - Sewage Tank	High

Historical Land Use 2.5K (c.1899 - c.1905)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use 2.5K (c.1899 - c.1905) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1899 -1905.

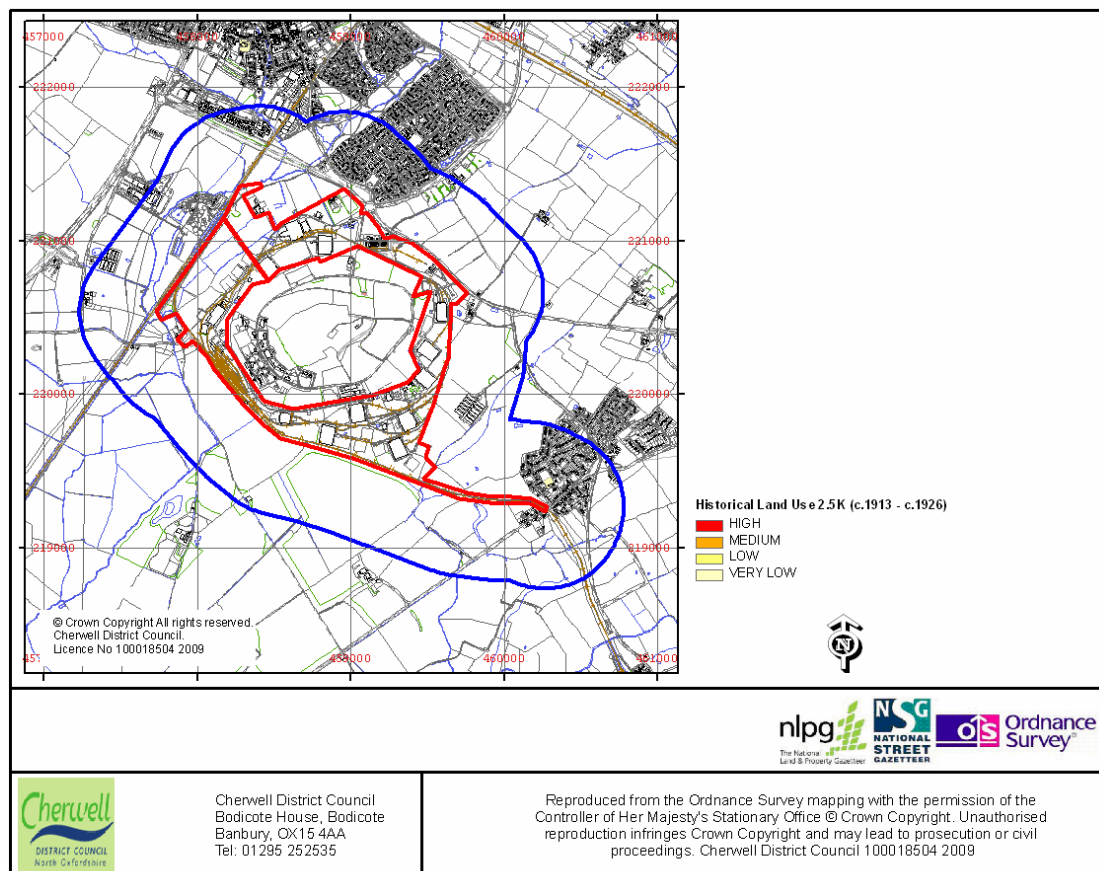
Site Results

No historical land use 2.5K (c.1899 - c.1905) mapped at the site

Search Radius Results

Description	Ranking
C&C - Coal Depot	High
Sewerage - Tank	High
MOD - Firing Range	High
Unknown Filled Ground	High
Grave - Graveyard	Low
Food - Corn Mill	Very Low
Metal Production - Blacksmith	High

Historical Land Use 2.5K (c.1913 - c.1926)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use 2.5K (c.1913 - c.1926) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1913 -1926.

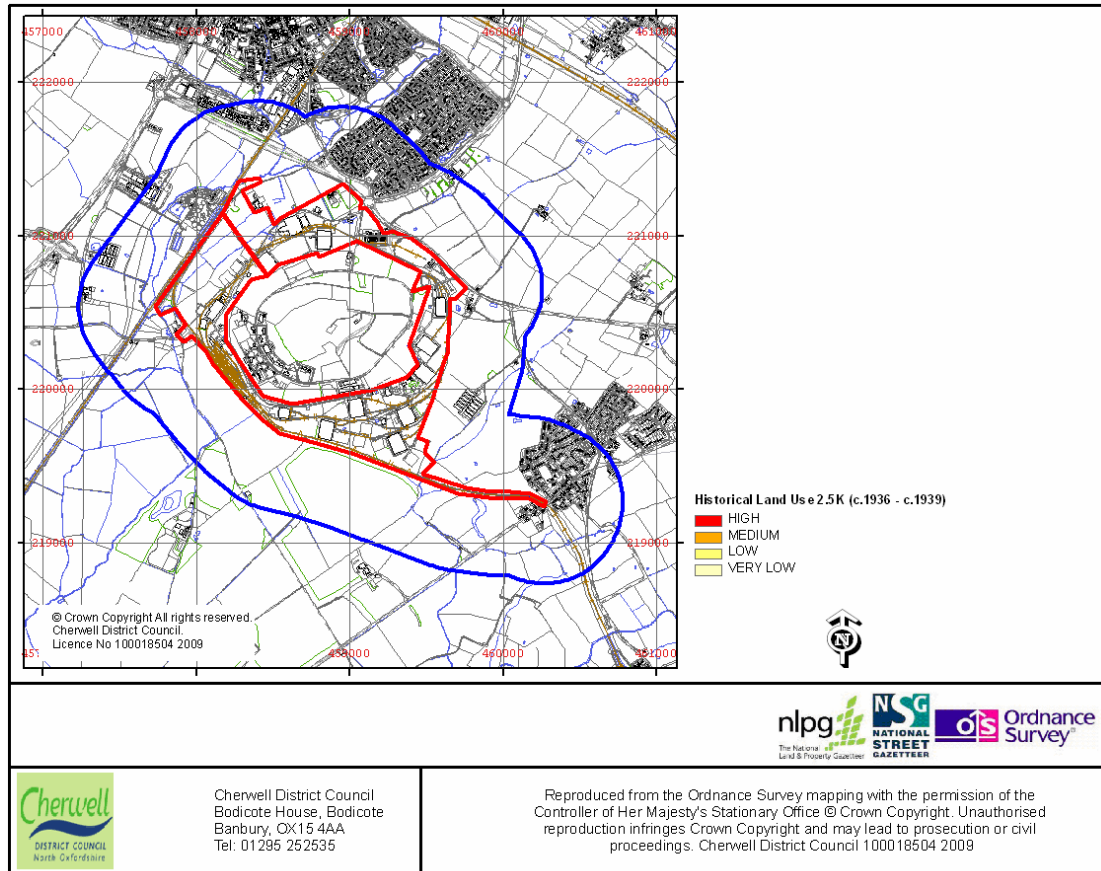
Site Results

No historical land use 2.5K (c.1913 - c.1926) mapped at the site

Search Radius Results

Description	Ranking
Sewage - Tank	High
MOD - Firing Range	High
Food - Corn Mill	Very Low
Metal Production - Blacksmith	High
Grave - Graveyard	Low

Historical Land Use 2.5K (c.1936 - c.1939)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use 2.5K (c.1936 - c.1939) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1936 -1939.

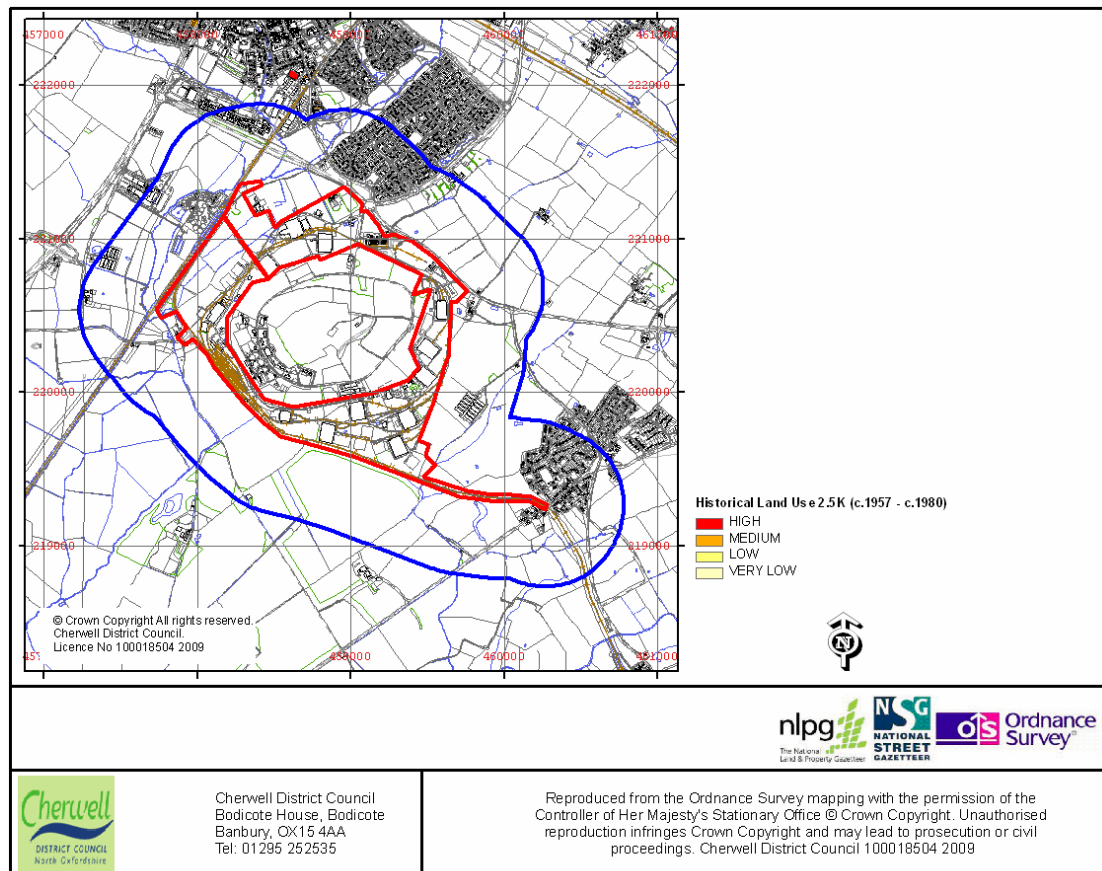
Site Results

No historical land use 2.5K (c.1936 - c.1939) mapped at the site

Search Radius Results

No historical land use 2.5K (c.1936 - c.1939) mapped in the search radius

Historical Land Use 2.5K (c.1957 - c.1980)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use 2.5K (c.1957 - c.1980) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1957 -1980.

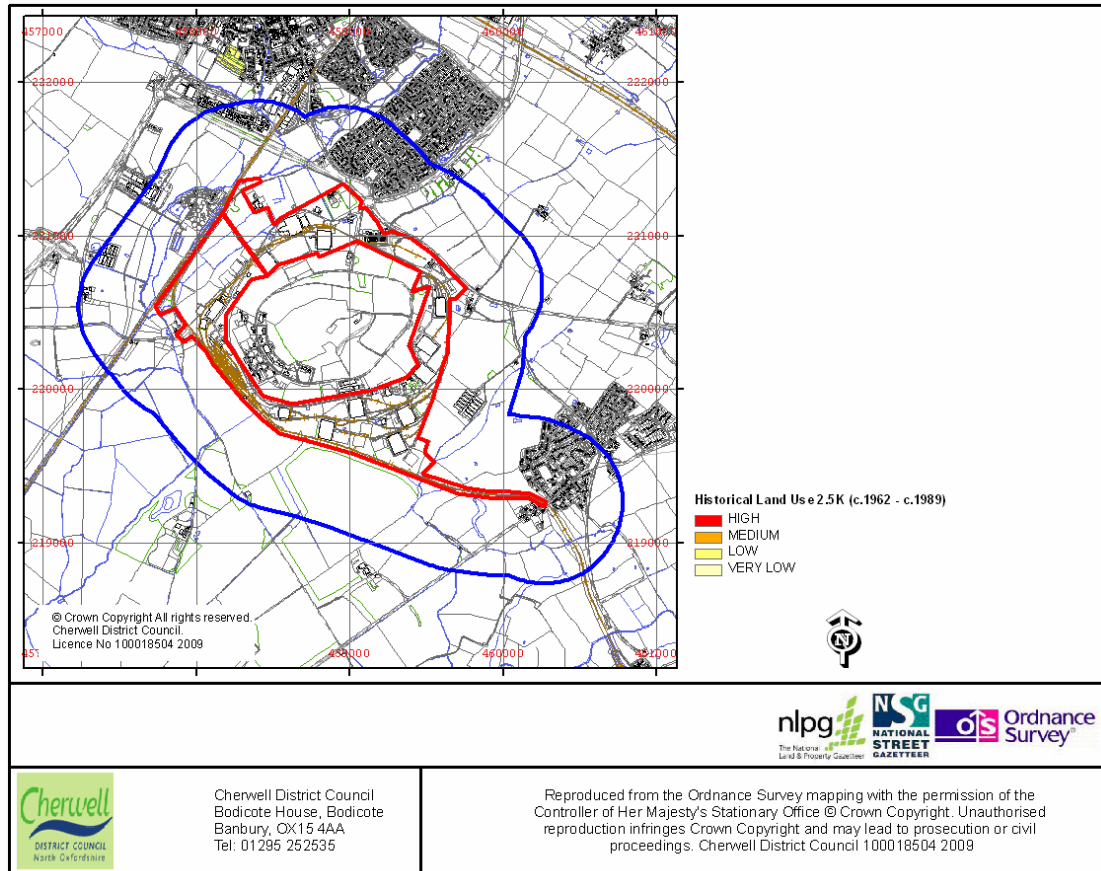
Site Results

No historical land use 2.5K (c.1957 - c.1980) mapped at the site

Search Radius Results

Description	Ranking
Depot - Depot	Medium
Power - Electricity Sub Station	Very Low

Historical Land Use 2.5K (c.1962 - c.1989)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use 2.5K (c.1962 - c.1989) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1962 -1989.

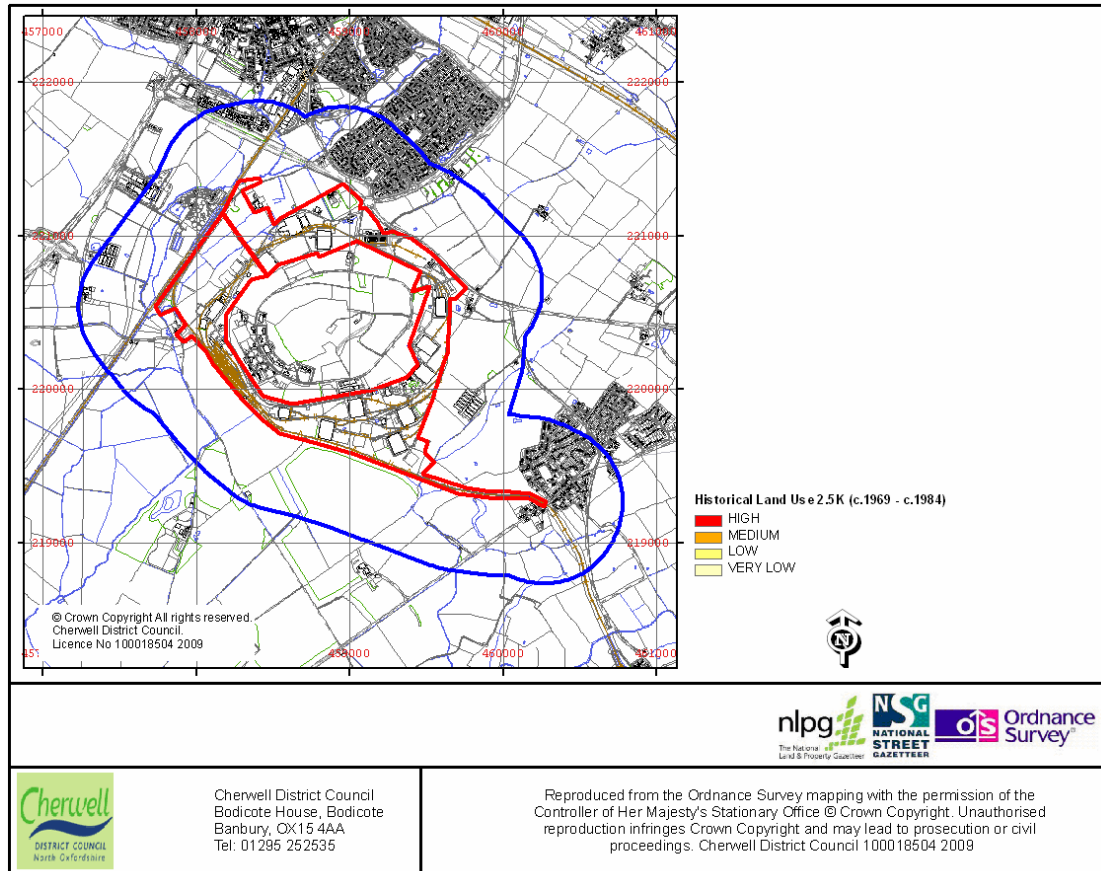
Site Results

No historical land use 2.5K (c.1962 - c.1989) mapped at the site

Search Radius Results

No historical land use 2.5K (c.1962 - c.1989) mapped in the search radius

Historical Land Use 2.5K (c.1969 - c.1984)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use 2.5K (c.1969 - c.1984) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1969 -1984.

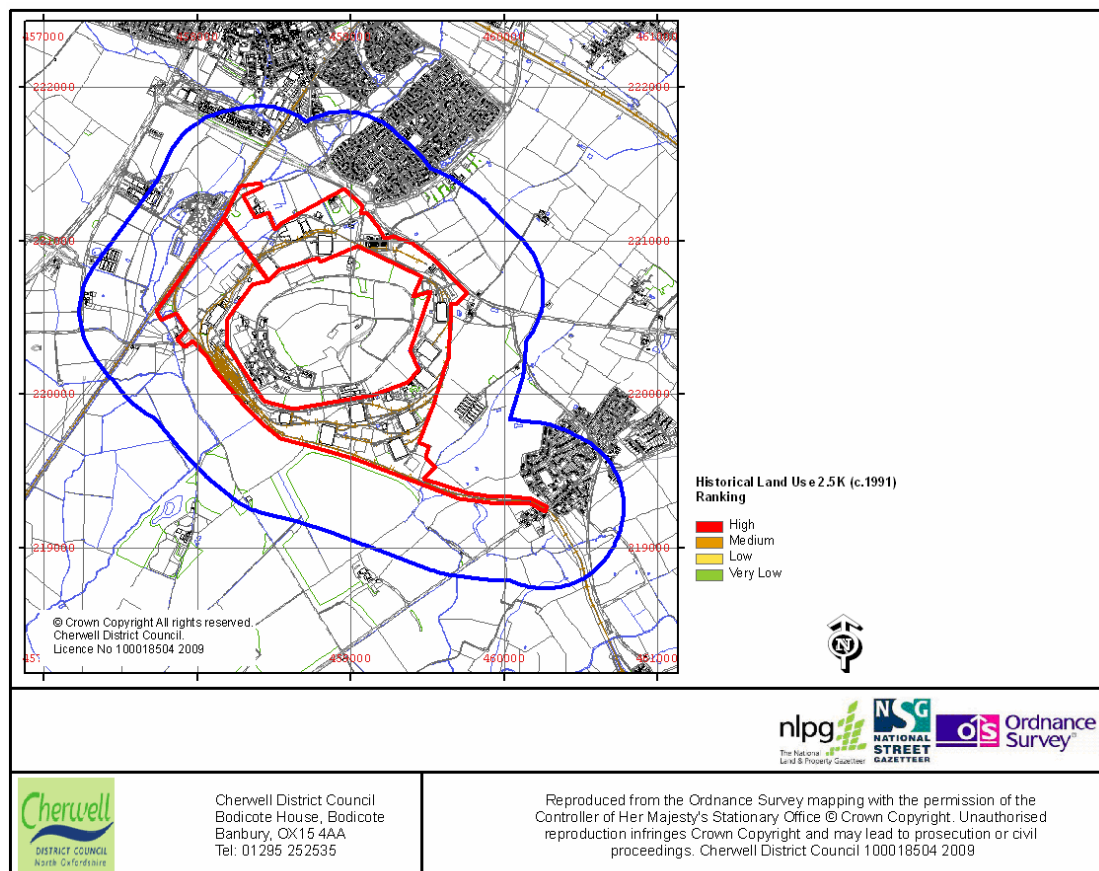
Site Results

No historical land use 2.5K (c.1969 - c.1984) mapped at the site

Search Radius Results

No historical land use 2.5K (c.1969 - c.1984) mapped in the search radius

Historical Land Use 2.5K (c.1991)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use 2.5K (c.1991) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1991.

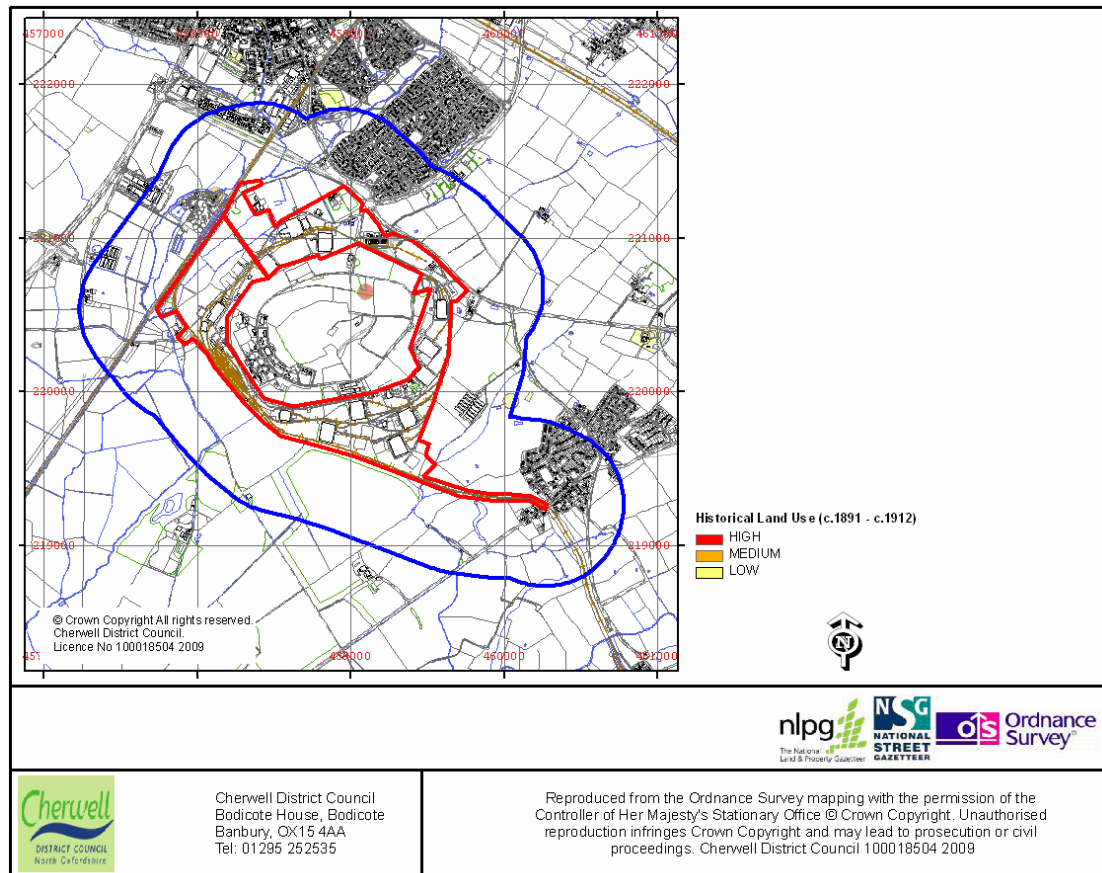
Site Results

No historical land use 2.5K (c.1991) mapped at the site

Search Radius Results

No historical land use 2.5K (c.1991) mapped in the search radius

Historical Land Use (c.1891 - c.1912)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use (c.1891 - c.1912) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1891-1912.

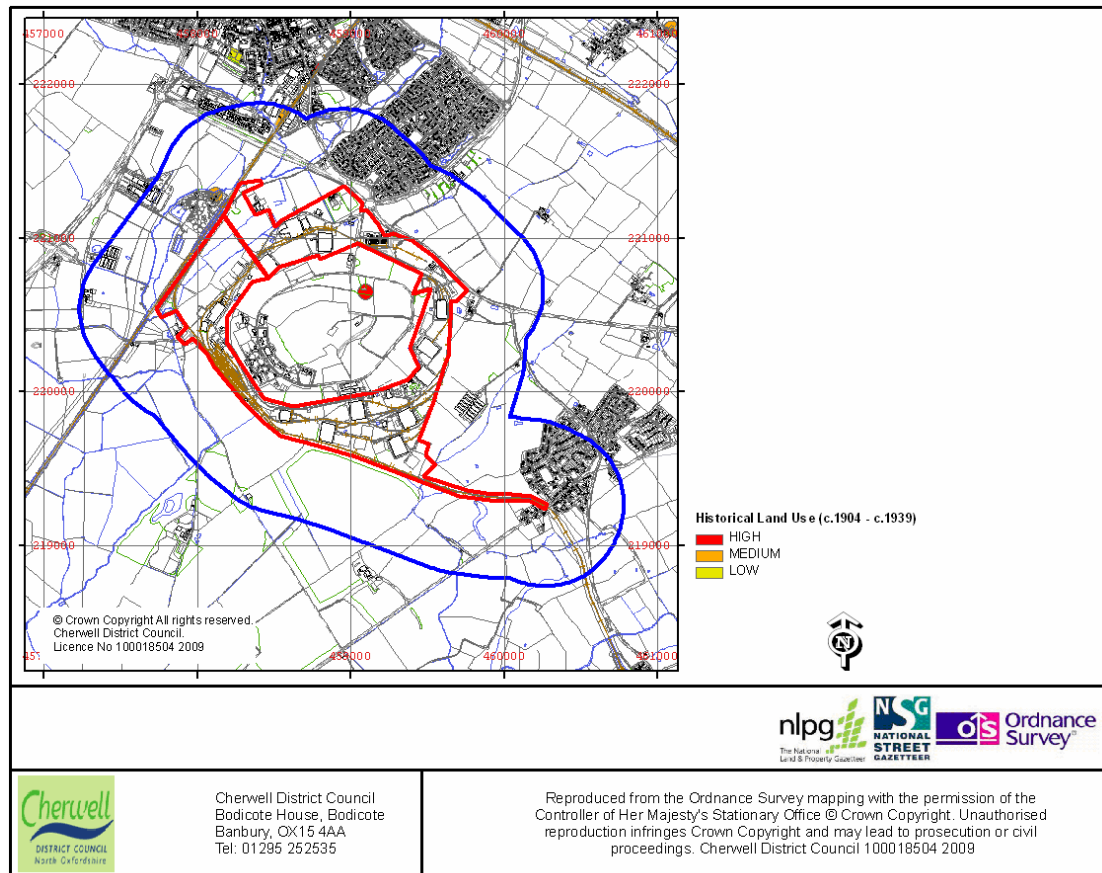
Site Results

Description	Ranking
Railways	MEDIUM

Search Radius Results

Description	Ranking
Military Land	HIGH
General quarrying	LOW
Sewage	MEDIUM
Clay bricks & tiles [manufacture]	LOW
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM

Historical Land Use (c.1904 - c.1939)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use (c.1904 - c.1939) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1904-1939.

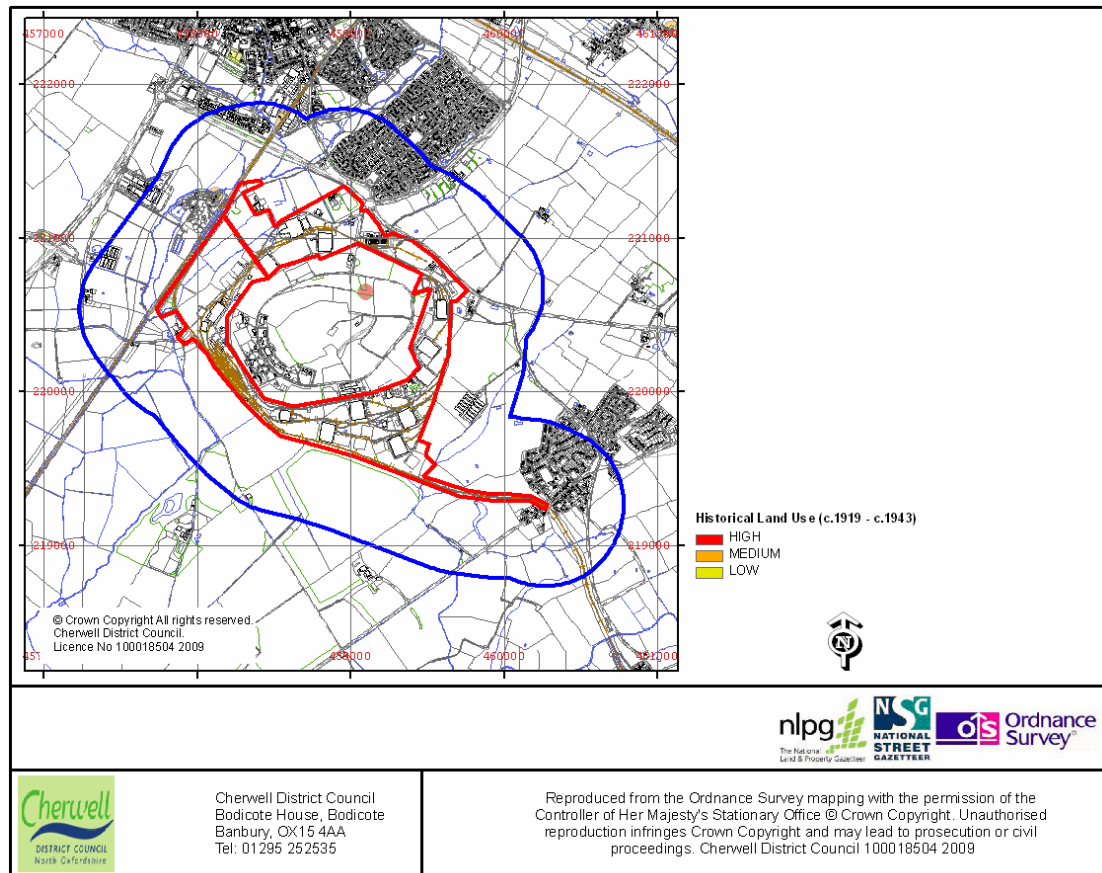
Site Results

Description	Ranking
Railways	MEDIUM

Search Radius Results

Description	Ranking
Military Land	HIGH
Sewage	MEDIUM
Coal storage and depot	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM

Historical Land Use (c.1919 - c.1943)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use (c.1919 - c.1943) information is based on County Series maps of the entire Cherwell District at a scale of 6 inches to one mile, which were mapped in the period 1919-1943.

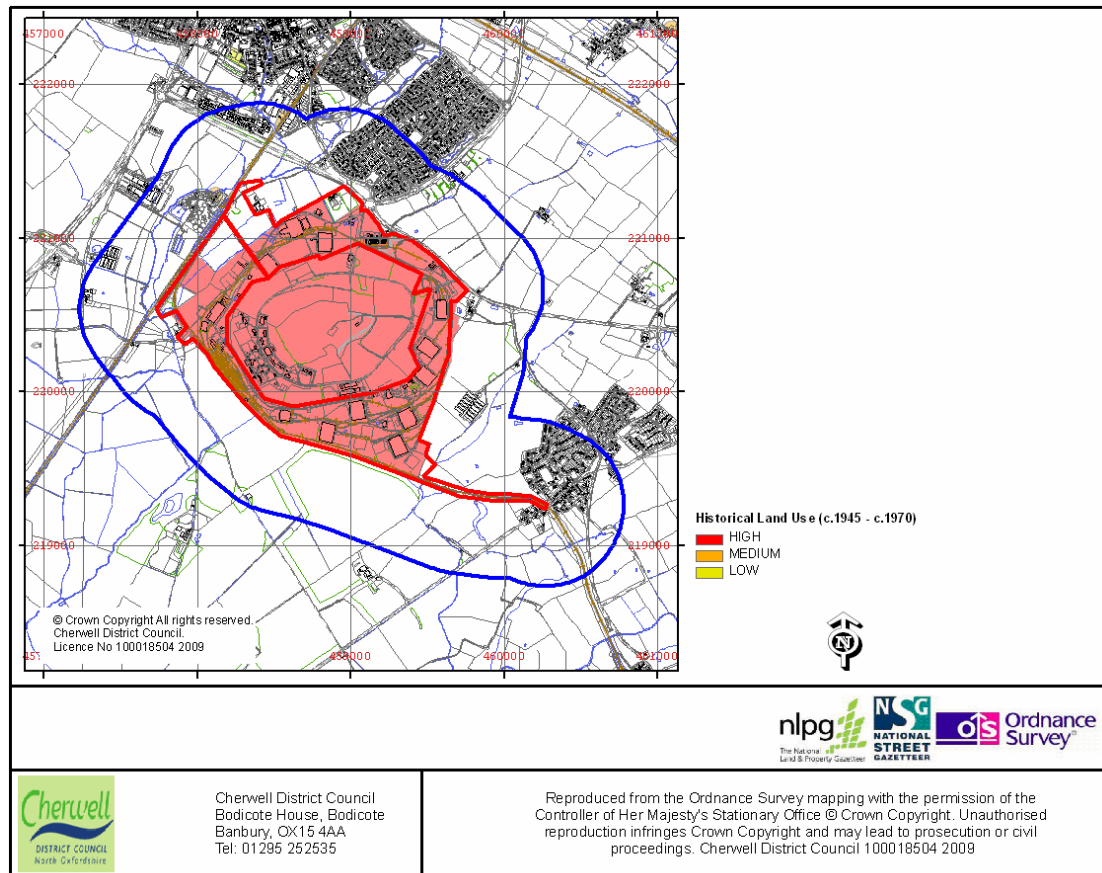
Site Results

Description	Ranking
Railways	MEDIUM

Search Radius Results

Description	Ranking
Military Land	HIGH
Sewage	MEDIUM
Coal storage and depot	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM

Historical Land Use (c.1945 - c.1970)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use (c.1945 - c.1970) information is based on Ordnance Survey National Grid maps of the entire Cherwell District at a scale of 1:10 000, which were mapped in the period 1945-1970.

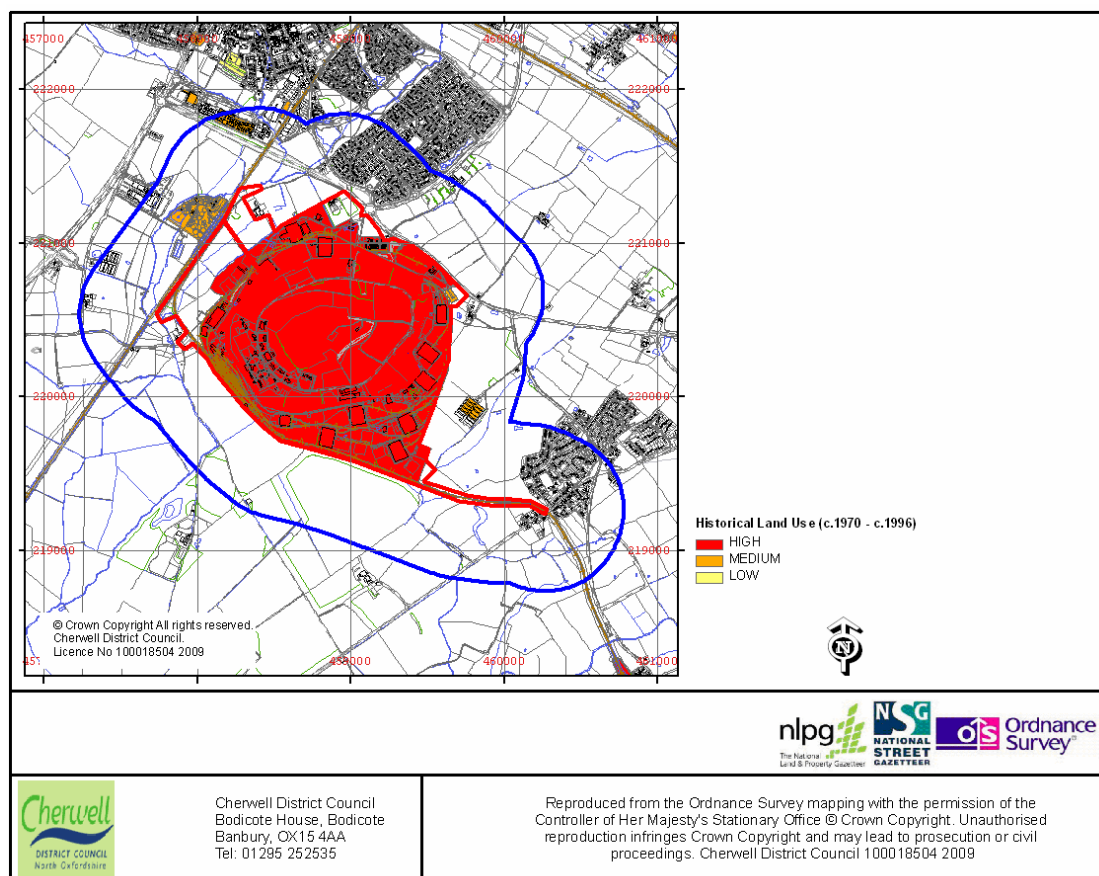
Site Results

Description	Ranking
Military Land	HIGH
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM

Search Radius Results

Description	Ranking
Sewage	MEDIUM
Coal storage and depot	MEDIUM
Military Land	HIGH
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM

Historical Land Use (c.1970 - c.1996)



The map shows the site (red) and a search radius of 500 meters (blue).

The historical land use (c.1970 - c.1996) information is based on Ordnance Survey National Grid maps of the entire Cherwell District at a scale of 1:10 000, which were mapped in the period 1970-1996.

Site Results

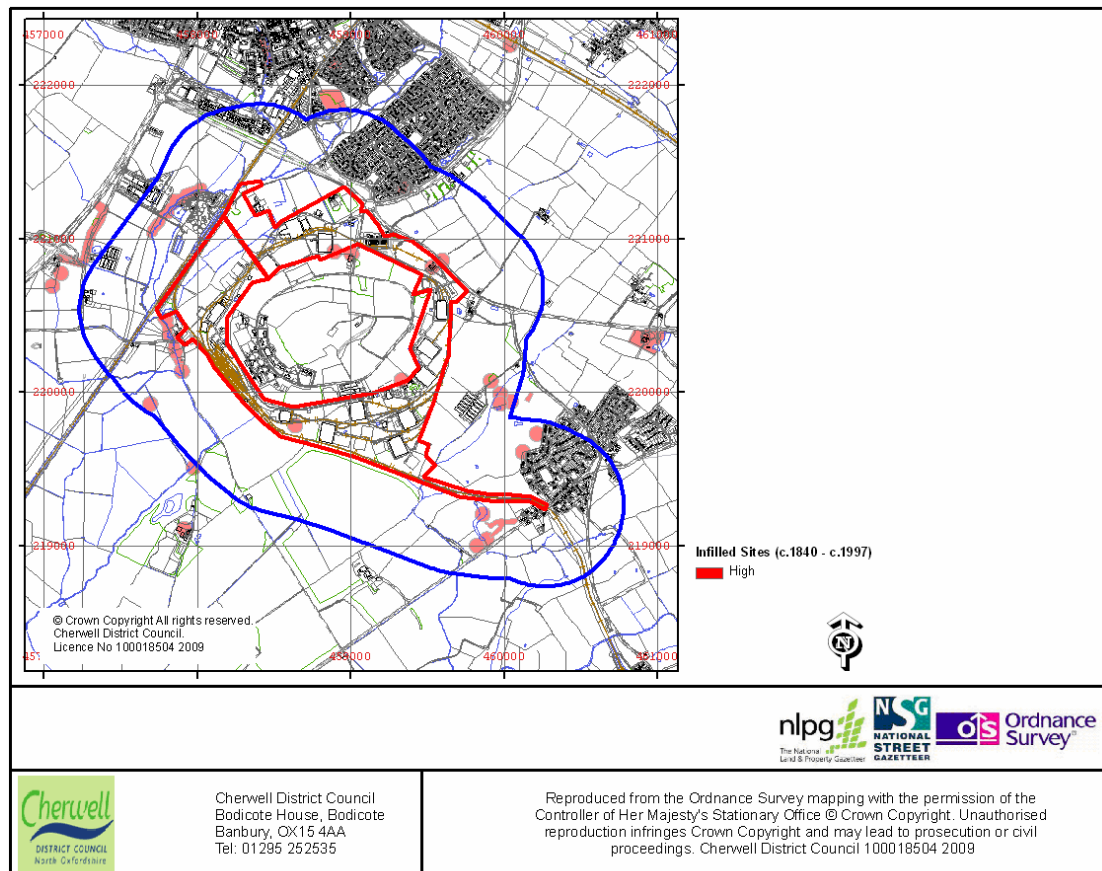
Description	Ranking
Pipelines [transport via]	MEDIUM
Pipelines [transport via]	MEDIUM
Pipelines [transport via]	MEDIUM
Pipelines [transport via]	MEDIUM
Factory or works - use not specified	MEDIUM
Military Land	HIGH
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM

Search Radius Results

Description	Ranking
Pipelines [transport via]	MEDIUM
Pipelines [transport via]	MEDIUM
Factory or works - use not specified	MEDIUM
Military Land	HIGH
Coal storage and depot	MEDIUM

Description	Ranking
Sewage	MEDIUM
Factory or works - use not specified	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM
Railways	MEDIUM

Infilled Sites (c.1840 - c.1997)



The map shows the site (red) and a search radius of 500 meters (blue).

Site Results

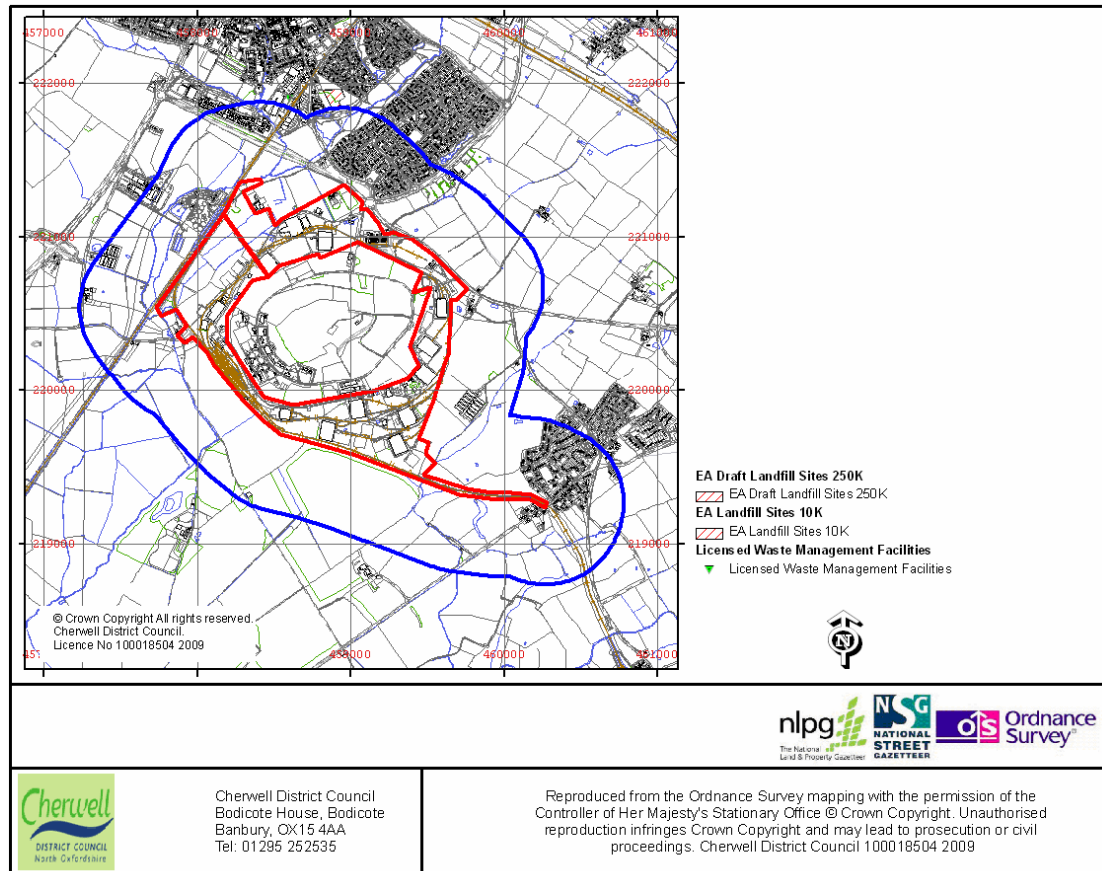
Description	Ranking
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High

Search Radius Results

Description	Ranking
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pit, quarry etc)	High

Description	Ranking
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Area liable to flood	
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pond, marsh, river, stream,doc	High
Unknown Filled Ground (Pit, quarry etc)	High

Landfill Sites and Licensed Waste Management Facilities



The map shows the site (red) and a search radius of 500 meters (blue).

Landfill and waste data derives from Environment Agency data & local knowledge of sites that pre date Environment Agency data.

EA Landfill Sites 10K

Site Results

No EA registered landfills at the site

Search Radius Results

No EA registered landfills in the search radius

EA Draft Landfill Sites 250K

Site Results

No draft landfills at the site

Search Radius Results

Licence Number	Site Name
No Licence	London Road, Bicester

Licensed Waste Management Facilities

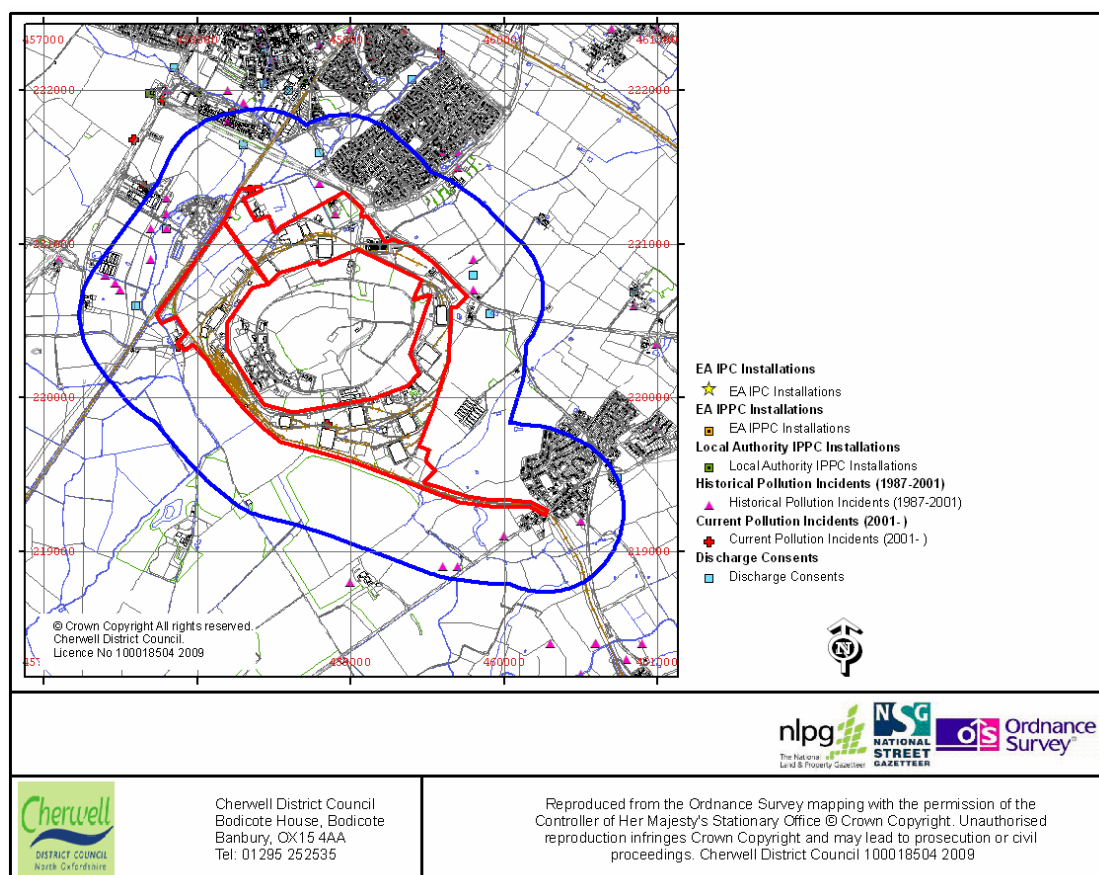
Site Results

No waste sites at the site

Search Radius Results

No waste sites in the search radius

Environmentally Sensitive Data



The map shows the site (red) and a search radius of 500 meters (blue).

All environmentally sensitive data derives from Environment Agency data

EA IPC Installations

Site Results

No IPC Installations at the site

Search Radius Results

No IPC Installations in the search radius

EA IPPC Installations

Site Results

No IPPC Installations at the site

Search Radius Results

No IPPC Installations in the search radius

Local Authority IPPC Installations

Site Results

No IPPC Installations at the site

Search Radius Results

No IPPC Installations in the search radius

Registered Radioactive Substance Sites

Site Results

No Registered Radioactive Substance sites at the site

Search Radius Results

No Registered Radioactive Substance sites in the search radius

Historical Pollution Incidents (1987-2001)

Site Results

Details	NGR	Major Incident
Oil/Diesel/	SP583213	Yes
Oil/Gas oil/GAS OIL	SP 589 212	Yes
Oil/Gas oil/	SP59302100	Miss
Not Yet Known/Not Yet Known/NOT KNOWN	SP58202120	Miss
Not Yet Known/Not Yet Known/NOT KNOWN	SP 592 210	Miss

Search Radius Results

Details	NGR	Major Incident
Sewage/Crude sewage/SEWAGE	SP 5770 2110	Yes
Natural/Rising sludge/	SP582 218	No
Oil/Not known/	SP605 192	No
Oil/Petrol/NONE	SP 598 207	No
Oil/Diesel/DIESEL	SP 5980 2090	Yes
Oil/Other/OIL	SP 588 214	Yes
Oil/Other/	SP578 211	Yes
Sewage/Crude sewage/	SP 596 189	Yes
Sewage/Sewage effluent/	SP578 213	No
Sewage/Sewage effluent/	SP59701890	No
Oil/Diesel/	SP590215	Yes
Not Yet Known/Not Yet Known/NOT KNOWN	SP 600 191	Miss
Oil/Other/OIL	SP 585 217	Yes
Sewage/Sewage sludge/	SP 577 209	No
Not Yet Known/Not Yet Known/NOT KNOWN	SP 575 207	Miss
Agriculture/Poultry manure (solid)/POULT	SP57402080	Yes
Agriculture/Other/Poultry-shed washings	SP57472075	No
Other Pollutant	SP57802120	

Current Pollution Incidents (2001-)

Site Results

Details	NGR	Major Incident
---------	-----	----------------

Details	NGR	Major Incident
#EMPTY	SP5835121354 SP58851983	Category 3 (Minor) Category 3 (Minor)

Search Radius Results

Details	NGR	Major Incident
Storm dischrge from BSTW	SP5787720338	Category 3 (Minor)

Discharge Consents

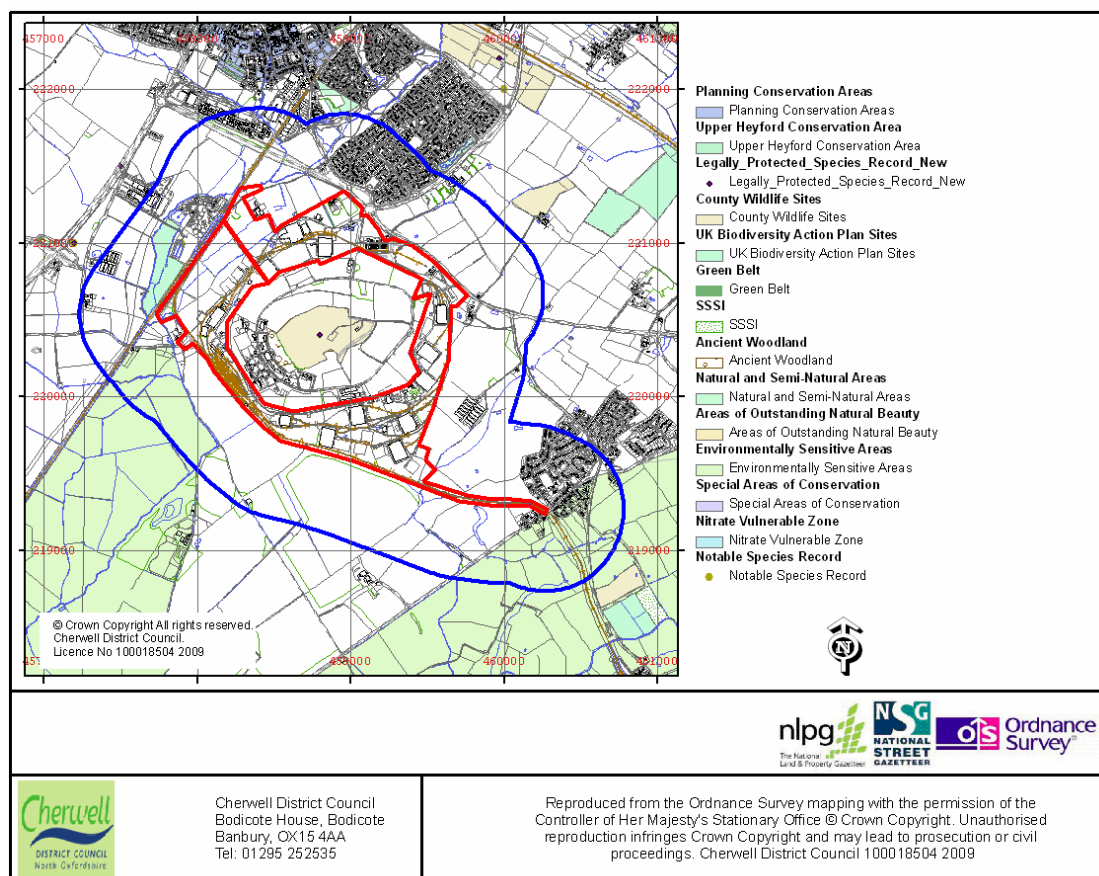
Site Results

No discharge consents at the site

Search Radius Results

License	Name	Easting	Northing	Type
CNTD.0023	THAMES WATER UTILITIES LIMITED	457800	221100	Sewage Disposal Works - water company
CNTW.0555	TESCO STORES LIMITED	458300	221650	Wholesale Dist. Animals and Mats.
CTCR.1723	THAMES WATER UTILITIES LIMITED	457600	220600	Sewage Disposal Works - water company
CNTD.0023	THAMES WATER UTILITIES LIMITED	457800	221100	Sewage Disposal Works - water company
CNTW.0555	TESCO STORES LIMITED	458300	221650	Wholesale Dist. Animals and Mats.
CNTW.0314	SCOTTISH METROPOLITAN PROPERTY PLC.	458500	221700	Undefined or Other
CATM.3010	THE BENNET GIBBONS PARTNERSHIP	459910	220550	Domestic Property (Multiple)
CTCR.0919	SOUTHERN GAS BOARD, 164 ABOVE BAR ST, SOUTHAMPTON	458800	221600	Public Gas Supply
CTCR.1293	BICESTER UDC (THAMES WATER (S+W))	457800	221100	Sewage Disposal Works - water company
CATM.3354	THE BENNETT GIBBONS PARTNERSHIP	459800	220800	Undefined or Other

Sites of Environmental Importance



Scheduled Ancient Monuments data © English Nature

The map shows the site (red) and a search radius of 500 meters (blue).

Information on Ancient Woodland and SSSIs were provided by English Nature.

Ancient Woodland

Site Results

No ancient woodland at the site

Search Radius Results

Description
Ancient & Semi-Natural Woodland

SSSI

Site Results

No SSSIs at the site

Search Radius Results

No SSSIs in the search radius

Planning Conservation Areas

Site Results

No Planning Conservation Areas at the site

Search Radius Results

No Planning Conservation Areas in the search radius

Upper Heyford Conservation Area

Site Results

No Conservation Areas at the site

Search Radius Results

No Conservation Areas in the search radius

Special Areas of Conservation

Site Results

No Special Areas of Conservation at the site

Search Radius Results

No Special Areas of Conservation in the search radius

County Wildlife Sites

Site Results

No Wildlife Sites at the site

Search Radius Results

Site Name	Habitat Type
Graven Hill	Ancient woodland

UK Biodiversity Action Plan Sites

Site Results

No UK Biodiversity Action Plan at the site

Search Radius Results

Site Name	Classification
Bicester Wetland Reserve	Biodiversity Action Plan Priority Habitats
Gravenhill Wood	National Vegetation Classification

Green Belt land

Site Results

No areas of Green Belt at the site

Search Radius Results

No areas of Green Belt in the search radius

Natural and Semi-Natural Areas

Site Results

No Natural and Semi-Natural Areas at the site

Search Radius Results

Site Name
MALLARDS WAY NSN.

Areas of Outstanding Natural Beauty

Site Results

No Areas of Outstanding Natural Beauty at the site

Search Radius Results

No Areas of Outstanding Natural Beauty in the search radius

Environmentally Sensitive Areas

Site Results

Name
Upper Thames

Search Radius Results

Name
Upper Thames

Nitrate Vulnerable Zone

Site Results

No Nitrate Vulnerable Zone at the site

Search Radius Results

No Nitrate Vulnerable Zone in the search radius

Notable Species Records

Site Results

No Notable Species Records at the site

Search Radius Results

Name	Site	Status
Bembidion quadripustulatum	Bicester Sewage Farm Reserve	
Picus viridis	Graven Hill	

Name	Site	Status
Locustella naevia	Graven Hill	
Phylloscopus trochilus	Graven Hill	

Legally Protected Species Record

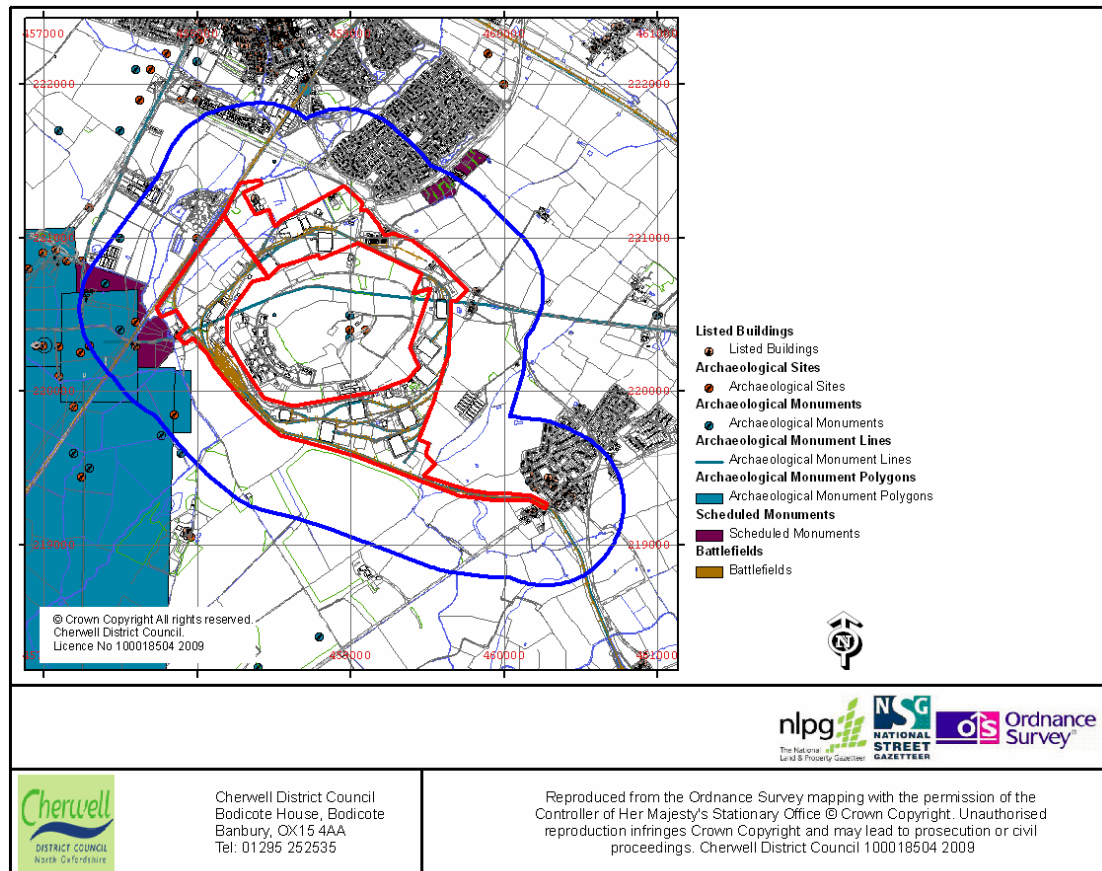
Site Results

No Legally Protected Species Record at the site

Search Radius Results

Name	Site	Status
Hyacinthoides non-scripta	Graven Hill	

Heritage Sites



Scheduled Ancient Monuments data © English Nature

The map shows the site (red) and a search radius of 500 meters (blue).

Listed Buildings

Site Results

No listed buildings at the site

Search Radius Results

Title	Easting	Northing
BARN APPROXIMATEL	459798	220541
WRETCHWICK LODGE	459232	221043
GATEPIERS, GATES	460325	219428
CHURCH OF ST MARY	460300	219409
HEADSTONE APPROXI	460288	219390
	460448	219315
KENNET HOUSE	460320	219382
	460406	219341
LANGFORD PARK FAR	458380	221258
CHURCHYARD CROSS	460330	219408
	460319	219267
KING MEMORIAL APP	460289	219438
PARK FARMHOUSE	460344	219277
WRETCHWICK FARMHO	459823	220650
HOLLY TREE COTTAG	460190	219214

Archaeological Sites

Site Results

Name	Easting	Northing
MERTON GROUNDS	457880	220360

Search Radius Results

Name	Easting	Northing
WENDLEBURY HOLT	457600	220300
GRAVEN HILL	459100	220400
ALCHESTER	457300	220300
NORTH EAST OF ALCHESTER	457600	220450
BICESTER SEWAGE TREATMENT WORKS	458000	221000
GRAVEN HILL TO AMBROSDEN PIPELINE	459000	220400
MERTON/WENDLEBURY	457850	219850
LAND ADJACENT TO PARK RISE/LABURNHAM CLOSE	460200	219460
MERTON/WENDLEBURY	457850	219850
LAND OFF LABURNUM CLOSE	460200	219380

Archaeological Monuments

Site Results

No archaeological monuments at the site

Search Radius Results

Description	Easting	Northing
Traces of building foundations were visible in the field NE of Promised-land Farm in 1841; listed as the possible site of a Roman villa.	457400	220700
Earthwork - prob. PM lynchets	459000	220350
The remains of a churchyard cross. The cross shaft stands directly on its socket stone. This holds the lower part of an octagonal shaft. Above this the shaft has been broken off and the cross head which would have stood upon it is gone.	460320	219400
RB sherds, coin	457500	220400
Linear features and possible fragmentary ditched enclosures visible as cropmarks on aerial photographs.	457500	221000
ORDNANCE DEPOT. From list of sites	459000	220500
Graven Hill Depot		
Recorder- S.C. Jenkins		
Ambrosden Hall, Built circa 1673, demolished 1740 (site of)	460170	219420
Pits and ditches with Romano British pottery were found on a building site NW of the road to Blackthorn.	460570	219670

Archaeological Monument Lines

Site Results

Description
Partly dismantled railway. The Buckinghamshire Railway was a merger of two companies proposing lines from Bletchley to Banbury and Aylesbury to Oxford. The Bletchley - Banbury section opened in 1850 and the Oxford - Verney Junction (on the Bletchley - Ba Britain's largest military railway system, opened in 1941, still extant.

Description
Roman road running from Alchester to St Albans (Verulamium).

Search Radius Results

Description
Partly dismantled railway. The Buckinghamshire Railway was a merger of two companies proposing lines from Bletchley to Banbury and Aylesbury to Oxford. The Bletchley - Banbury section opened in 1850 and the Oxford - Verney Junction (on the Bletchley - Ba
Roman road running from Towcester to Alchester.
Britain's largest military railway system, opened in 1941, still extant.
Roman road running from Alchester to St Albans (Verulamium).

Archaeological Monument Polygons

Site Results

Description
Railway halt on the Bicester Military Railway.
Railway halt on the Bicester Military Railway. Approximate siting only, derived from photograph in NMR Rokeby Collection.

Search Radius Results

Description
Railway halt on the Bicester Military Railway. Not located.
Railway halt on the Bicester Military Railway.
Rectilinear enclosure visible as a crop mark on aerial photographs. Possible Roman parade ground.
Roman field system visible as crop mark.
AS spearhead fd. 1828
Poss Md Manor House, extant 1673 (site of)
System of rectilinear enclosures and trackways visible on air photographs. Probable extramural settlement to the Roman town of Alchester.

Scheduled Monuments

Site Results

No scheduled monuments at the site

Search Radius Results

Name
Alchester Roman site
AMBROSDEN CHURCHYARD CROSS
WRETCHWICK DESERTED MEDIEVAL SETTLEMENT

Battlefields

Site Results

No battlefields at the site

Search Radius Results

No battlefields in the search radius

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Annex G

Environmental Risk Assessment Table

10 Pages

Report Annex: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
1	Former Rifle Range	Metals	Humans (current site users & visitors)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Vicinity of former range is now grassed over, decreasing the likelihood of this pollutant linkage.
2	Former Rifle Range	Metals	Humans (redevelopment workers)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to redevelopment workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures.
3	Former Rifle Range	Metals	Humans (future users: residential with gardens)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination.
4	Former Rifle Range	Metals	Humans (future users: commercial/industrial)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination.
5	Former Rifle Range	Metals	Humans (neighbouring site users)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology.
6	Former Rifle Range	Metals	Groundwater (unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources is located on unproductive strata.
7	Former Rifle Range	Metals	Surface Water (ditches and Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	There is a surface water ditch in the vicinity of the source, increasing the likelihood of a PL. However, potential source is located on unproductive strata meaning the only likely pathway is via surface water runoff. Potential source is likely to be at depth beneath grass over soils limiting the potential for surface water runoff.
8	Former Rifle Range	Metals	Ecological receptors	Uptake	Toxic Phytotoxicity	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology.
9	Former Rifle Range	Metals	Agricultural (arable and livestock)	Uptake	Toxic Phytotoxicity	Mild	Low	Low	Likelihood of migration of contaminants associated with this potential source to nearby receptors is low, given the low permeability of the underlying geology.
10	Former Rifle Range	Explosive residues	Humans (current site users & visitors)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Vicinity of former range is now grassed over, decreasing the likelihood of this pollutant linkage.

Report Annex: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
11	Former Rifle Range	Explosive residues	Humans (redevelopment workers)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to redevelopment workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures.
12	Former Rifle Range	Explosive residues	Humans (future users: residential with gardens)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination.
13	Former Rifle Range	Explosive residues	Humans (future users: commercial/industrial)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination.
14	Former Rifle Range	Explosive residues	Humans (neighbouring site users)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology.
15	Former Rifle Range	Explosive residues	Groundwater (unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources is located on unproductive strata.
16	Former Rifle Range	Explosive residues	Surface Water (ditches and Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	There is a surface water ditch in the vicinity of the source, increasing the likelihood of a PL. However, potential source is located on unproductive strata meaning the only likely pathway is via surface water runoff. Potential source is likely to be at depth beneath grass over soils limiting the potential for surface water runoff.
17	Former Rifle Range	Explosive residues	Ecological receptors	Uptake	Phytotoxicity	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology.
18	Former Rifle Range	Explosive residues	Agricultural (arable and livestock)	Uptake	Toxic Phytotoxicity	Mild	Low	Low	Likelihood of migration of contaminants associated with this potential source to nearby receptors is low, given the low permeability of the underlying geology.
19	Former Rifle Range	Unexploded ordnance	Humans (current site users & visitors)	Direct Contact	Explosion	Severe	Unlikely	Moderate / Low	Vicinity of former range is now grassed over, decreasing the likelihood of this pollutant linkage. UXO likely to be limited to small arms ammunition only.
20	Former Rifle Range	Unexploded ordnance	Humans (redevelopment workers)	Direct Contact	Explosion	Severe	Low	Moderate	The risk to redevelopment workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate control measures. UXO likely to be limited to small arms ammunition only.

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Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
21	Former Rifle Range	Unexploded ordnance	Humans (future users: residential with gardens)	Direct Contact	Explosion	Severe	Low	Moderate	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination. UXO likely to be limited to small arms ammunition only.
22	Former Rifle Range	Unexploded ordnance	Humans (future users: commercial/industrial)	Direct Contact	Explosion	Severe	Unlikely	Moderate / Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination. UXO likely to be limited to small arms ammunition only.
23	Former Rifle Range	Unexploded ordnance	Humans (neighbouring site users)	Direct Contact	Explosion	Severe	Unlikely	Moderate / Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the surface cover and distances involved. UXO likely to be limited to small arms ammunition only.
24	Former Rifle Range	Unexploded ordnance	Ecological receptors	Direct Contact	Explosion	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the surface cover and distance involved. UXO likely to be limited to small arms ammunition only.
25	Former Rifle Range	Unexploded ordnance	Agricultural (arable and livestock)	Direct Contact	Explosion	Medium	Low	Moderate / Low	Vicinity of former range is now grassed over, although possibility of ploughing increases the likelihood of exposure to contamination. UXO likely to be limited to small arms ammunition only.
26	Historical Nissen Hut Camps and Infilled Ground	Metals	Humans (current site users & visitors)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Vicinity of former camps is now grassed over, decreasing the likelihood of this pollutant linkage.
27	Historical Nissen Hut Camps and Infilled Ground	Metals	Humans (redevelopment workers)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to redevelopment workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures.
28	Historical Nissen Hut Camps and Infilled Ground	Metals	Humans (future users: residential with gardens)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination.
29	Historical Nissen Hut Camps and Infilled Ground	Metals	Humans (future users: commercial/industrial)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination.
30	Historical Nissen Hut Camps and Infilled Ground	Metals	Humans (neighbouring site users)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology.

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Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
31	Historical Nissen Hut Camps and Infilled Ground	Metals	Groundwater (unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources is located on unproductive strata.
32	Historical Nissen Hut Camps and Infilled Ground	Metals	Surface Water (ditches and Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	There is a surface water ditch in the vicinity of the source, increasing the likelihood of a PL. However, potential source is located on unproductive strata meaning the only likely pathway is via surface water runoff. Potential source is likely to be at depth beneath grass over soils limiting the potential for surface water runoff.
33	Historical Nissen Hut Camps and Infilled Ground	Metals	Ecological receptors	Uptake	Phytotoxicity	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology.
34	Historical Nissen Hut Camps and Infilled Ground	Metals	Agricultural (arable and livestock)	Uptake	Toxic Phytotoxicity	Mild	Low	Low	Likelihood of migration of contaminants associated with this potential source to nearby receptors is low, given the low permeability of the underlying geology.
35	Historical Nissen Hut Camps and Infilled Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (current site users & visitors)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Vicinity of former camps is now grassed over, decreasing the likelihood of this pollutant linkage. No obvious evidence of hydrocarbon contamination at surface during site walkover.
36	Historical Nissen Hut Camps and Infilled Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (redevelopment workers)	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to redevelopment workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. Due to the age of any potential contamination, the risk from volatiles/vapours is less due to the weathered nature of the contamination but there is still considered to be a low likelihood of a PL.
37	Historical Nissen Hut Camps and Infilled Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (future users: residential with gardens)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination. Due to the age of any potential contamination, the risk from volatiles/vapours is less due to the weathered nature of the contamination but there is still considered to be a low likelihood of a PL.
38	Historical Nissen Hut Camps and Infilled Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (future users: commercial/industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	If redevelopment to a commercial/industrial end use occurs in the area of these sources then there is higher likelihood of impact from residual contamination. Due to the age of any potential contamination, the risk from volatiles/vapours is less due to the weathered nature of the contamination.

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Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
39	Historical Nissen Hut Camps and Infilled Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (neighbouring site users)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology. No obvious evidence of hydrocarbon contamination at surface during site walkover.
40	Historical Nissen Hut Camps and Infilled Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Groundwater (unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources is located on unproductive strata.
41	Historical Nissen Hut Camps and Infilled Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Surface Water (ditches and Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	There is a surface water ditch in the vicinity of the source, increasing the likelihood of a PL. However, potential source is located on unproductive strata meaning the only likely pathway is via surface water runoff. Potential source is likely to be at depth beneath grass over soils limiting the potential for surface water runoff.
42	Historical Nissen Hut Camps and Infilled Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Ecological receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology. No obvious evidence of hydrocarbon contamination at surface during site walkover.
43	Historical Nissen Hut Camps and Infilled Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Agricultural (arable and livestock)	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Likelihood of migration of contaminants associated with this potential source to nearby receptors is low, given the low permeability of the underlying geology. No obvious evidence of hydrocarbon contamination at surface during site walkover.
44	Historical Nissen Hut Camps and Infilled Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Buildings and Buried Services (current or future)	Direct contact Vapour Migration	Degradation Vapour Accumulation Explosion	Mild	Low	Low	Design of new structures in this area may need to consider this potential contaminant source. No obvious evidence of hydrocarbon contamination at surface during site walkover.
45	Historical Nissen Hut Camps and Infilled Ground	Asbestos	Humans (current site users & visitors)	Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Vicinity of former camps is now grassed over or hardstanding and appears to be minimally used, decreasing the likelihood of this pollutant linkage.
46	Historical Nissen Hut Camps and Infilled Ground	Asbestos	Humans (redevelopment workers)	Inhalation	Toxic: carcinogenic impact	Medium	Likely	Moderate	The risk to redevelopment workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures.

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Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
47	Historical Nissen Hut Camps and Infilled Ground	Asbestos	Humans (future users: residential with gardens)	Inhalation	Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination.
48	Historical Nissen Hut Camps and Infilled Ground	Asbestos	Humans (future users: commercial/industrial)	Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination.
49	Historical Nissen Hut Camps and Infilled Ground	Asbestos	Humans (neighbouring site users)	Migration Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the surface cover and distance involved.
50	Areas of Demolition/Disturbed Ground	Metals	Humans (current site users & visitors)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Most of these areas are now vegetated and appear to be only minimally used, decreasing the likelihood of this pollutant linkage.
51	Areas of Demolition/Disturbed Ground	Metals	Humans (redevelopment workers)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to redevelopment workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures.
52	Areas of Demolition/Disturbed Ground	Metals	Humans (future users: residential with gardens)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination.
53	Areas of Demolition/Disturbed Ground	Metals	Humans (future users: commercial/industrial)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination.
54	Areas of Demolition/Disturbed Ground	Metals	Humans (neighbouring site users)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology.
55	Areas of Demolition/Disturbed Ground	Metals	Groundwater (unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources is located on unproductive strata.
56	Areas of Demolition/Disturbed Ground	Metals	Surface Water (ditches and Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	Potential source is located on unproductive strata meaning the only likely pathway is via surface water runoff. Potential source is vegetated over, reducing the potential for surface water runoff.
57	Areas of Demolition/Disturbed Ground	Metals	Ecological receptors	Uptake	Phytotoxicity	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology.

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Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
58	Areas of Demolition/Disturbed Ground	Metals	Agricultural (arable and livestock)	Uptake	Toxic Phytotoxicity	Mild	Low	Low	Likelihood of migration of contaminants associated with this potential source to nearby receptors is low, given the low permeability of the underlying geology.
59	Areas of Demolition/Disturbed Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (current site users & visitors)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Most of these areas are now vegetated and appear to be only minimally used, decreasing the likelihood of this pollutant linkage. No obvious evidence of hydrocarbon contamination during site walkover.
60	Areas of Demolition/Disturbed Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (redevelopment workers)	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to redevelopment workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures.
61	Areas of Demolition/Disturbed Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (future users: residential with gardens)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination.
62	Areas of Demolition/Disturbed Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (future users: commercial/industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	If redevelopment to a commercial/industrial end use occurs in the area of these sources then there is higher likelihood of impact from residual contamination. However, due to the age of any potential contamination, the risk from volatiles/vapours is less due to the weathered nature of the contamination.
63	Areas of Demolition/Disturbed Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (neighbouring site users)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology.
64	Areas of Demolition/Disturbed Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Groundwater (unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources is located on unproductive strata.
65	Areas of Demolition/Disturbed Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Surface Water (ditches and Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	Potential source is located on unproductive strata meaning the only likely pathway is via surface water runoff. Potential source is likely to be at depth beneath vegetation reducing the potential for surface water runoff.
66	Areas of Demolition/Disturbed Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Ecological receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the surface cover, distance involved and the low permeability of the underlying geology.

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Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
67	Areas of Demolition/Disturbed Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Agricultural (arable and livestock)	Uptake Direct contact	Phytotoxicity Toxic	Mild	Low	Low	Likelihood of migration of contaminants associated with this potential source to nearby receptors is low, given the low permeability of the underlying geology.
68	Areas of Demolition/Disturbed Ground	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Buildings and Buried Services (current or future)	Direct contact Vapour Migration	Degradation Vapour Accumulation	Mild	Unlikely	Negligible	Very few or no buried services in vicinity - groundworks for redevelopment would likely remove the potential contaminant source.
69	Areas of Demolition/Disturbed Ground	Asbestos	Humans (current site users & visitors)	Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Vicinity of areas is now vegetated over and appears to be minimally used, decreasing the likelihood of this pollutant linkage.
70	Areas of Demolition/Disturbed Ground	Asbestos	Humans (redevelopment workers)	Inhalation	Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to redevelopment workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures.
71	Areas of Demolition/Disturbed Ground	Asbestos	Humans (future users: residential with gardens)	Inhalation	Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination.
72	Areas of Demolition/Disturbed Ground	Asbestos	Humans (future users: commercial/industrial)	Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination.
73	Areas of Demolition/Disturbed Ground	Asbestos	Humans (neighbouring site users)	Migration Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the surface cover and distance involved.
74	St David's Barracks (off-site)	Metals	Humans (current site users & visitors)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
75	St David's Barracks (off-site)	Metals	Humans (redevelopment workers)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
76	St David's Barracks (off-site)	Metals	Humans (future users: residential with gardens)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.

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77	St David's Barracks (off-site)	Metals	Humans (future users: commercial/industrial)	Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
78	St David's Barracks (off-site)	Metals	Agricultural (arable and livestock)	Uptake	Toxic Phytotoxicity	Mild	Unlikely	Negligible	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology, the distances involved and the ground cover at the Barracks.
79	St David's Barracks (off-site)	Explosive residues	Agricultural (arable and livestock)	Uptake	Toxic Phytotoxicity	Mild	Unlikely	Negligible	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology, the distances involved and the ground cover at the Barracks.
80	St David's Barracks (off-site)	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (current site users & visitors)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact Explosion	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
81	St David's Barracks (off-site)	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (redevelopment workers)	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact Explosion	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
82	St David's Barracks (off-site)	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (future users: residential with gardens)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact Explosion	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
83	St David's Barracks (off-site)	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Humans (future users: commercial/industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact Explosion	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
84	St David's Barracks (off-site)	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Groundwater (unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources is located on unproductive strata.
85	St David's Barracks (off-site)	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Surface Water (ditches and Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	There is a surface water ditch in the vicinity of the source, increasing the likelihood of a PL. However, potential source is located on unproductive strata meaning the only likely pathway is via surface water runoff. Potential source is likely to be at depth beneath grass over soils, or hardstanding, limiting the potential for surface water runoff.

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86	St David's Barracks (off-site)	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Ecological receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
87	St David's Barracks (off-site)	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Agricultural (arable and livestock)	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
88	St David's Barracks (off-site)	Hydrocarbons (fuels, lubricants, solvents and PAHs)	Buildings and Buried Services (current or future)	Direct contact Vapour Migration	Degradation Vapour Accumulation	Mild	Unlikely	Negligible	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
89	St David's Barracks (off-site)	Asbestos	Humans (current site users & visitors)	Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
90	St David's Barracks (off-site)	Asbestos	Humans (redevelopment workers)	Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
91	St David's Barracks (off-site)	Asbestos	Humans (future users: residential with gardens)	Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
92	St David's Barracks (off-site)	Asbestos	Humans (future users: commercial/industrial)	Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.
93	St David's Barracks (off-site)	Radiological artefacts	Humans (current site users & visitors)	Dermal Contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Dstl report identifies a moderate risk of radiological contamination across Bicester site. However, the likelihood of migration of contaminants associated with this potential source to this receptor is unlikely, given the low permeability of the underlying geology and the ground cover at the Barracks.