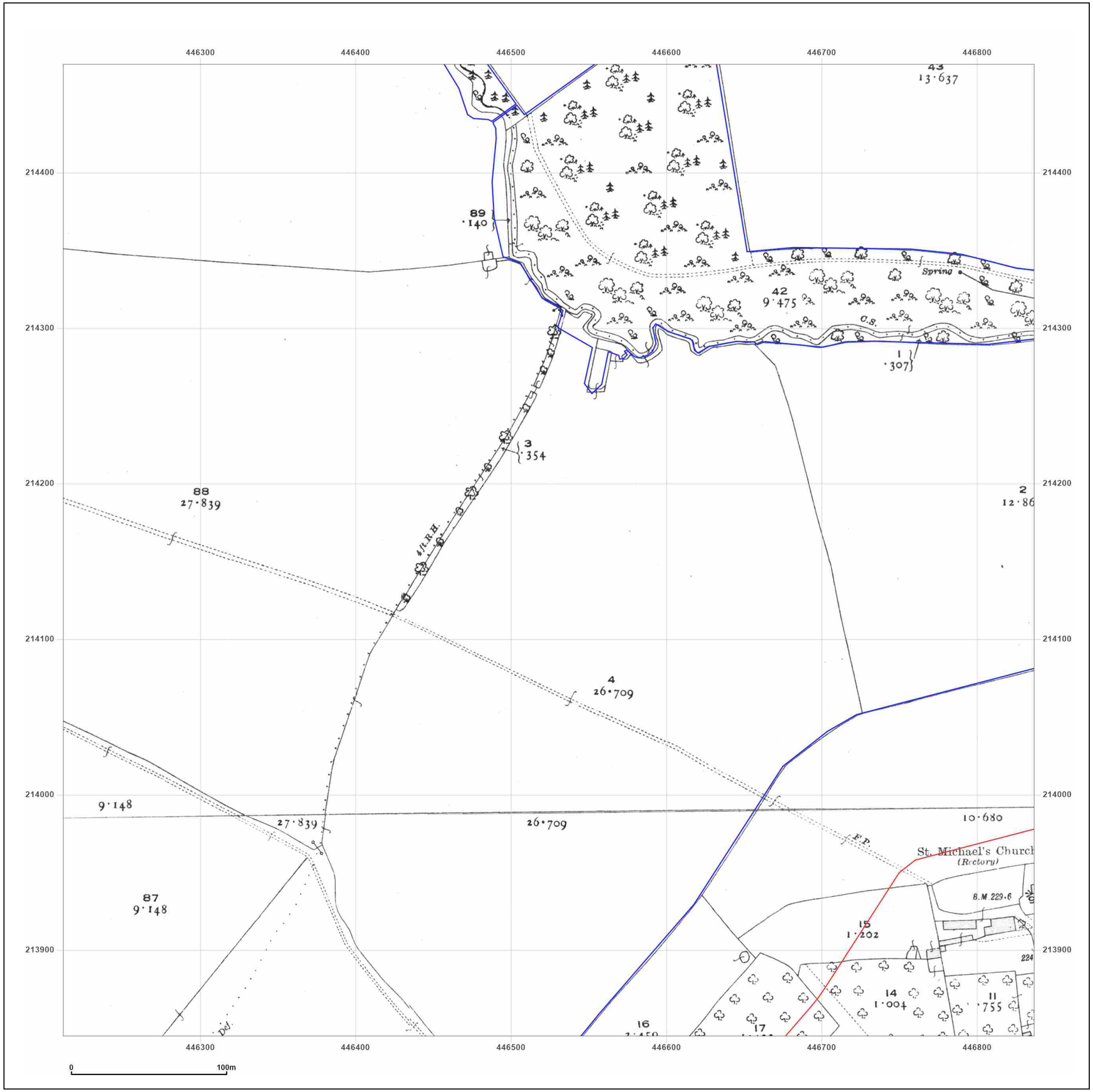


Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_7
Grid Ref: 446524, 214157

Map Name: County Series

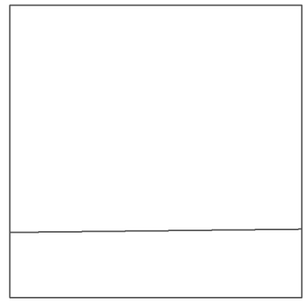
Map date: **1922**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1922
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A



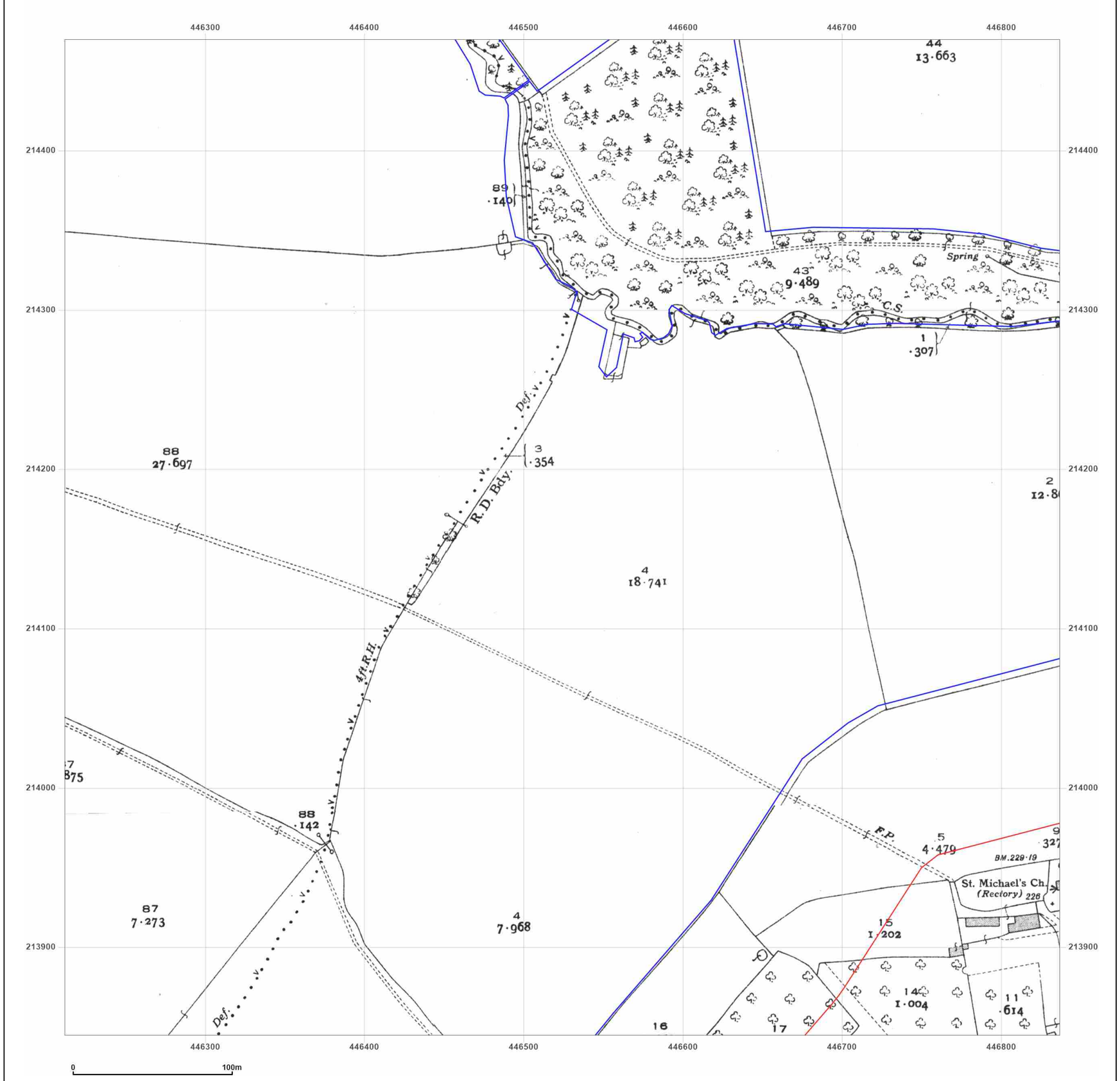
Surveyed 1922
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_7
Grid Ref: 446524, 214157

Map Name: County Series

Map date: **1936**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1936
Revised 1936
Edition N/A
Copyright N/A
Levelled N/A

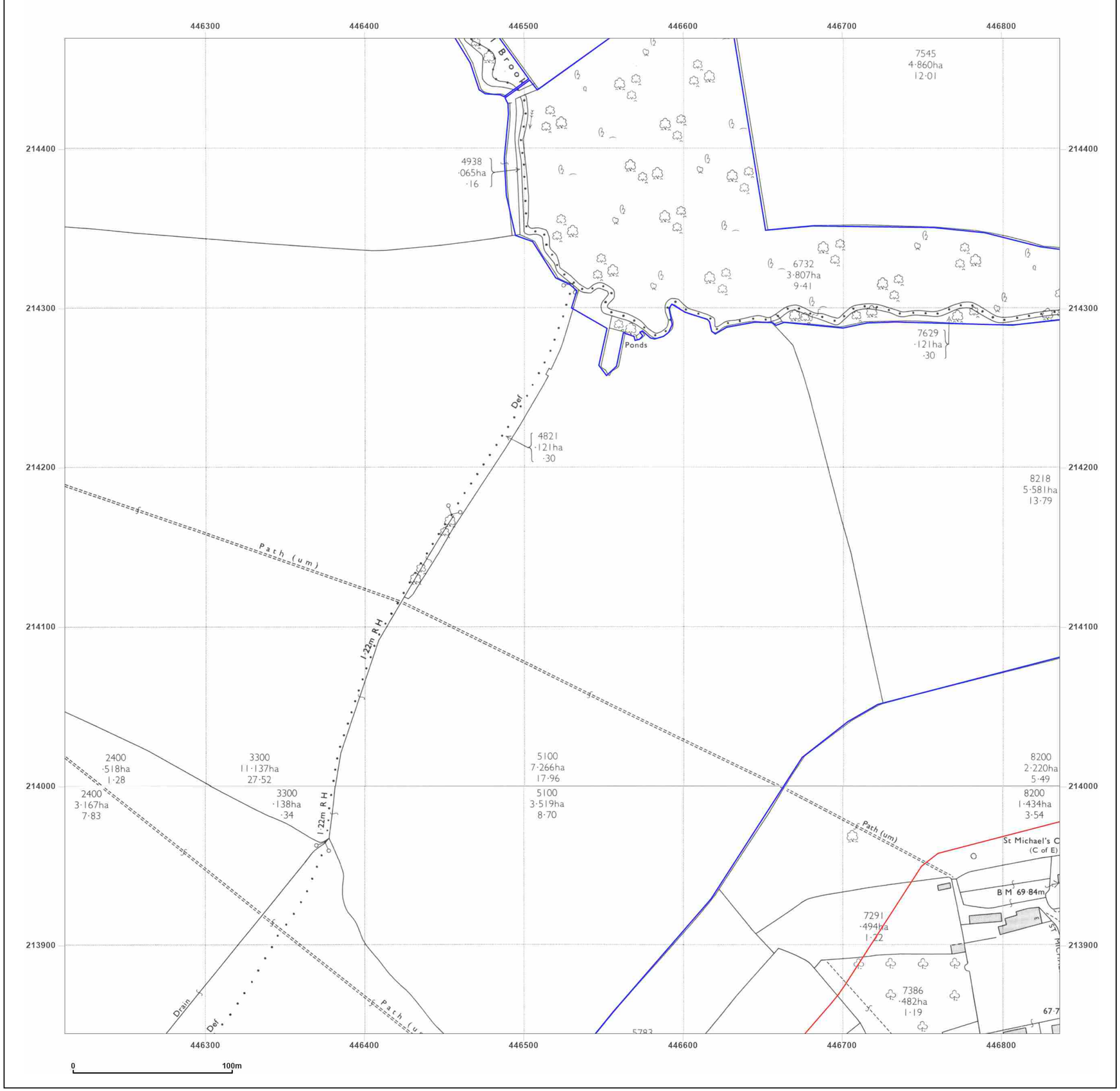
Surveyed 1936
Revised 1936
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_7
Grid Ref: 446524, 214157

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1970

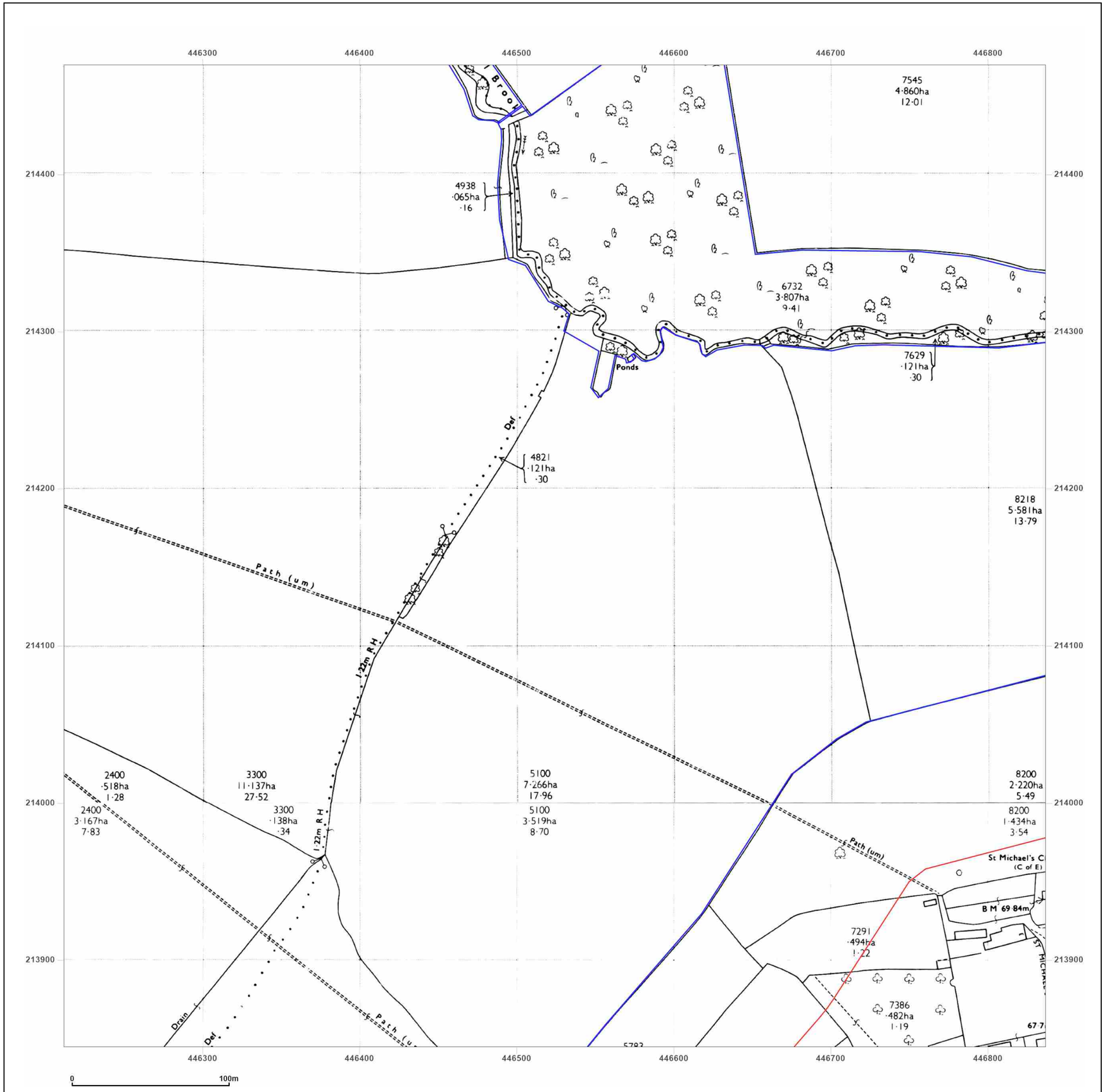
Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_7
Grid Ref: 446524, 214157

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

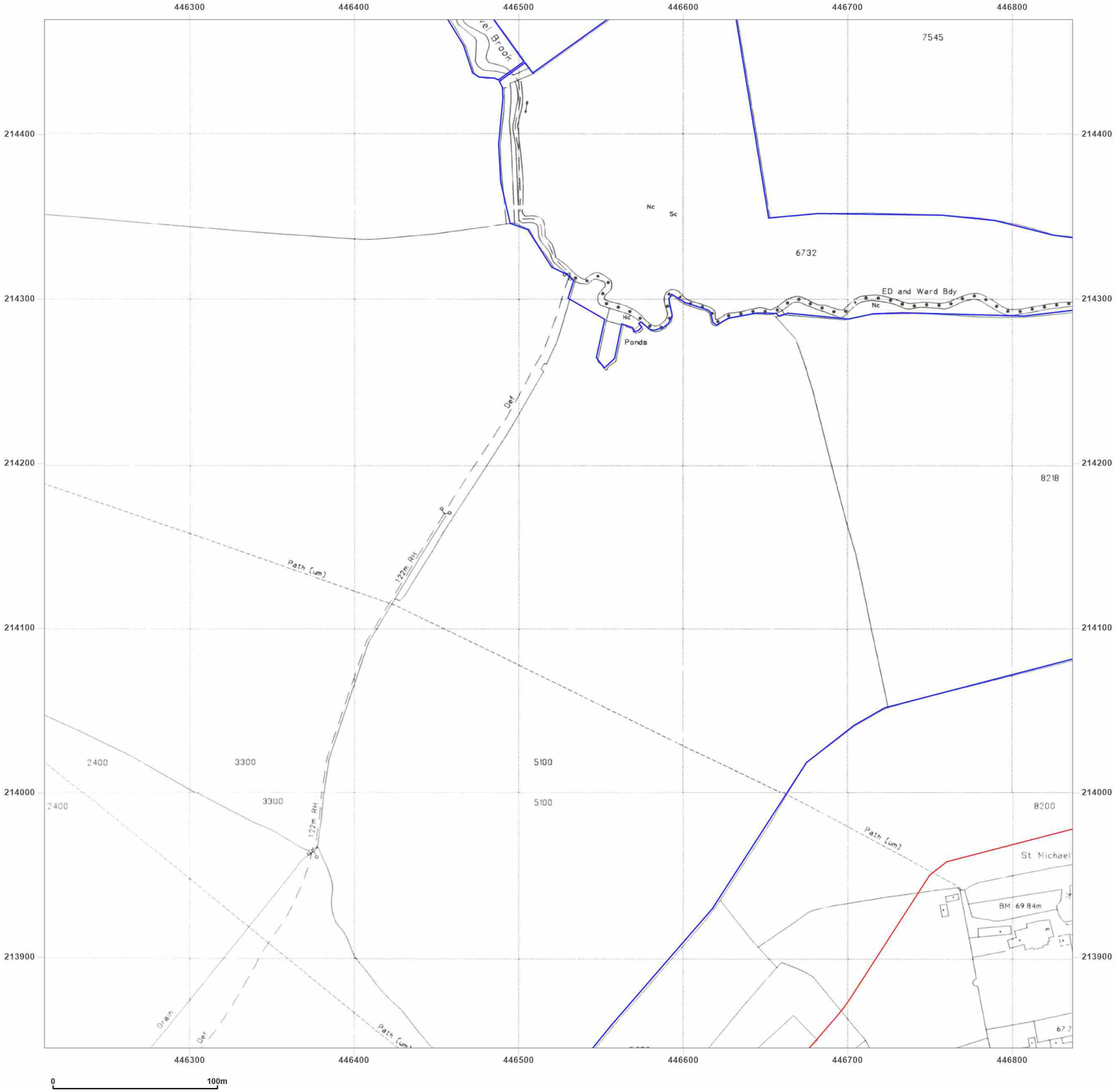
Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_7
Grid Ref: 446524, 214157

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

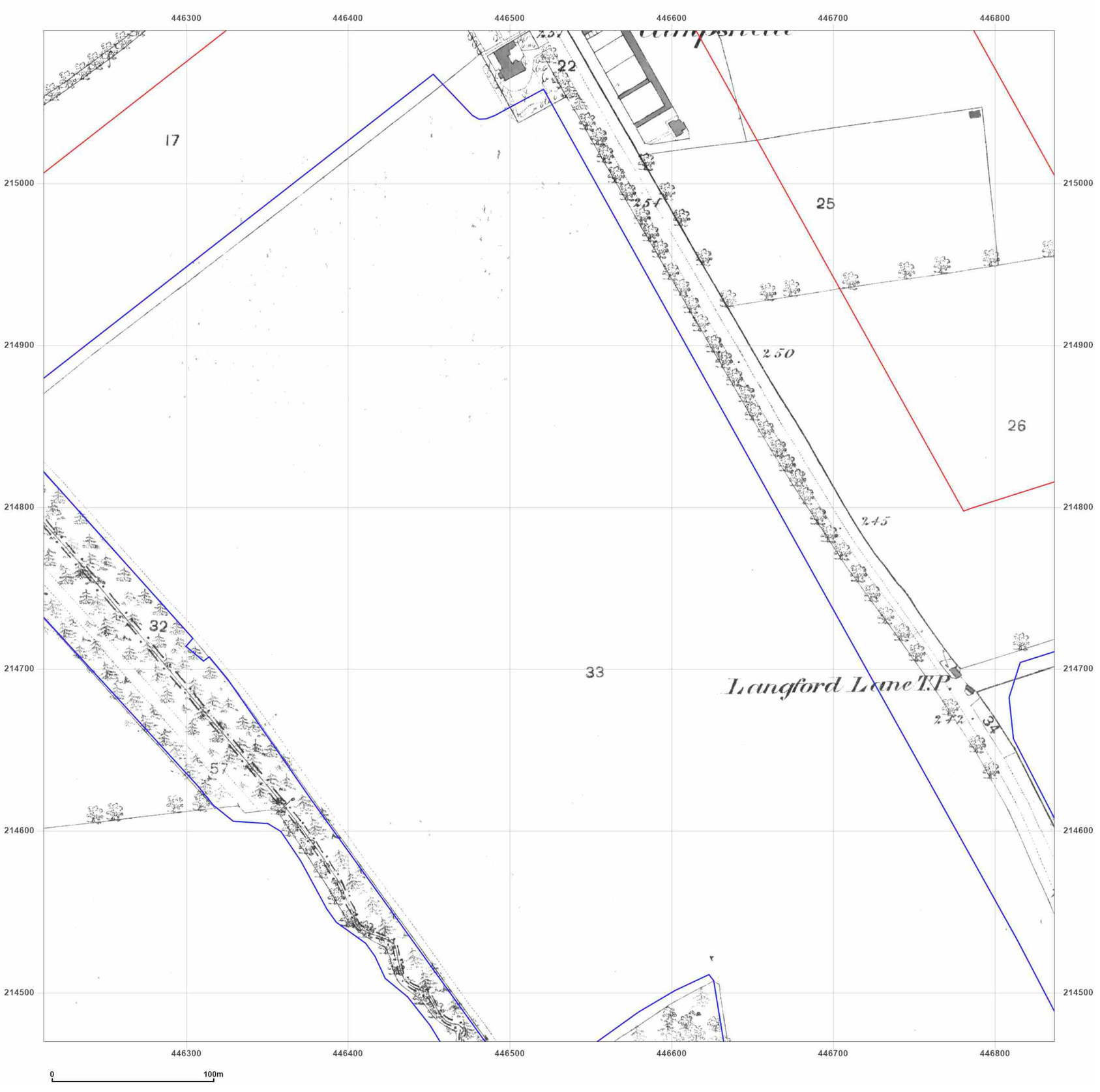
Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_8
Grid Ref: 446524, 214782

Map Name: County Series

Map date: **1880**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

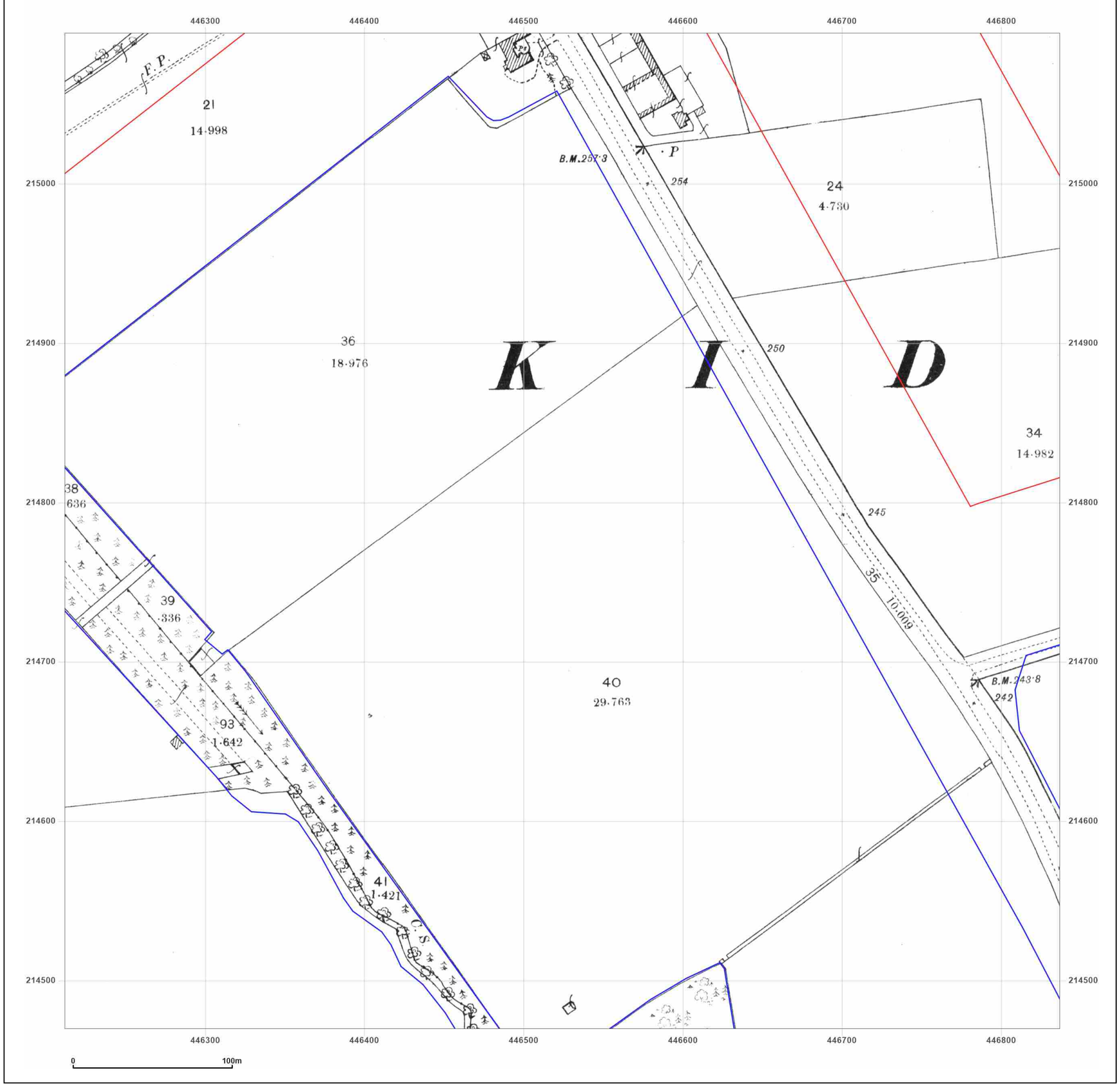
Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_8
Grid Ref: 446524, 214782

Map Name: County Series

Map date: **1899**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

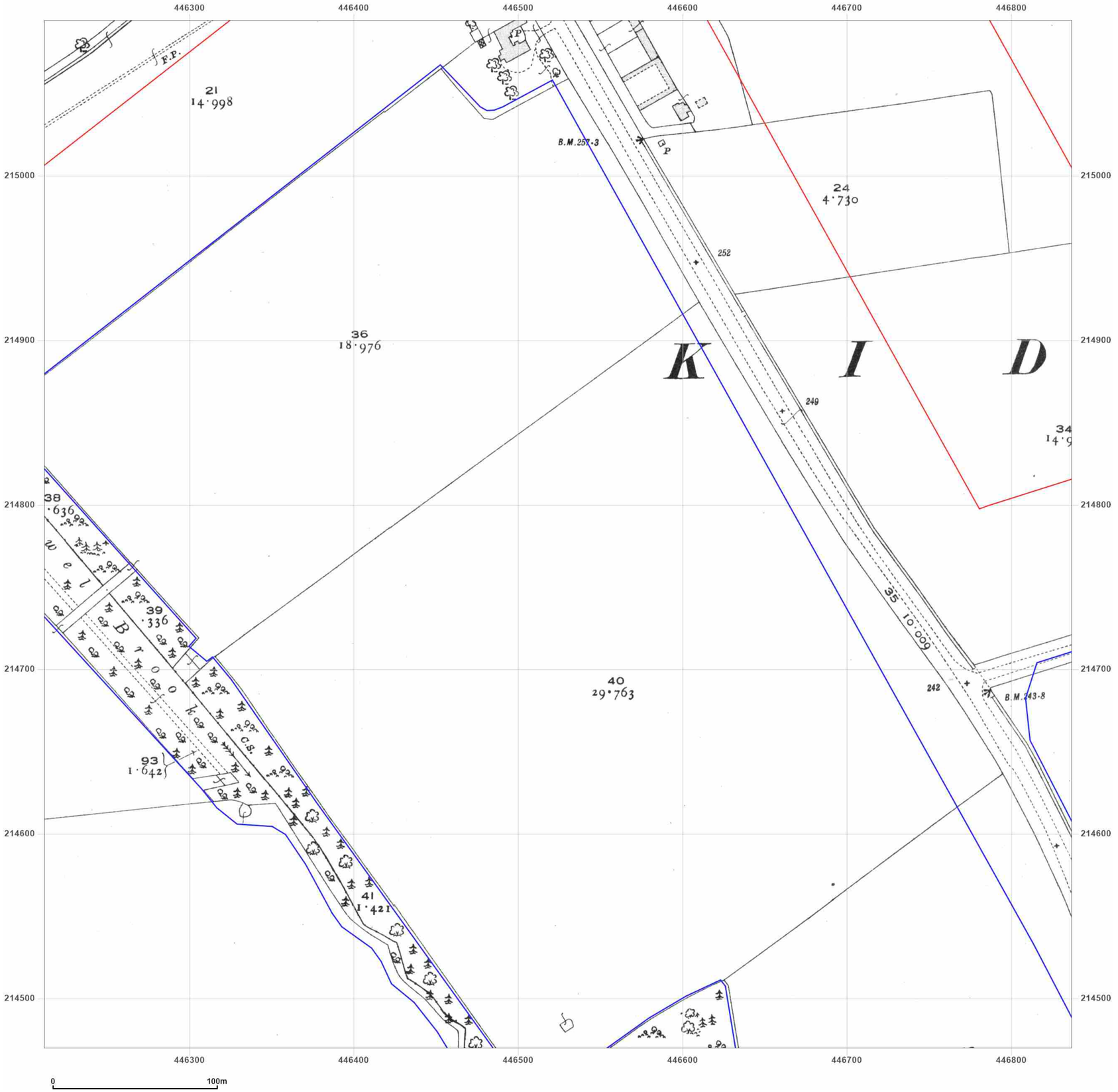
Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_8
Grid Ref: 446524, 214782

Map Name: County Series

Map date: **1922**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

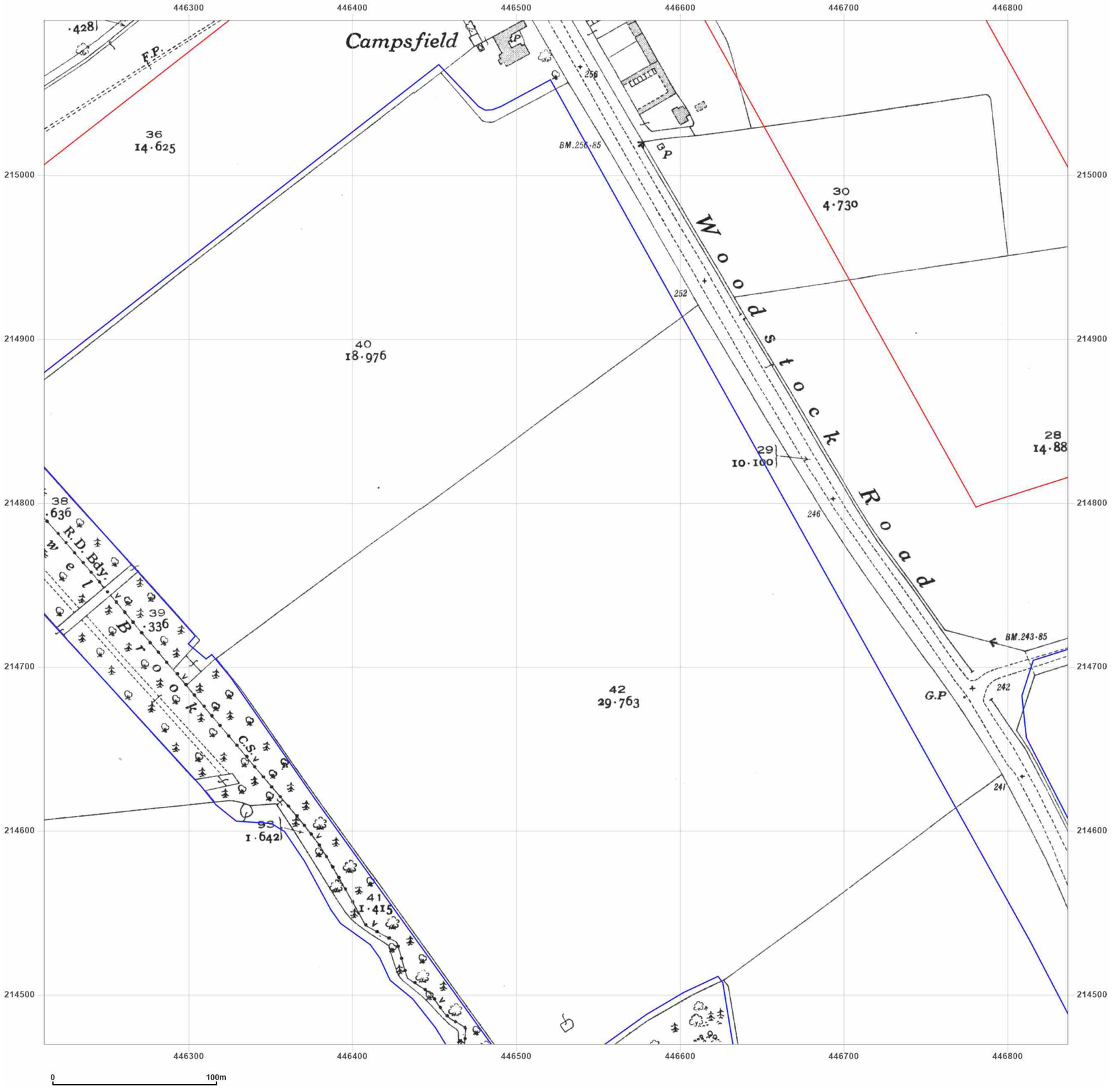
Surveyed 1922
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_8
Grid Ref: 446524, 214782

Map Name: County Series

Map date: **1936**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

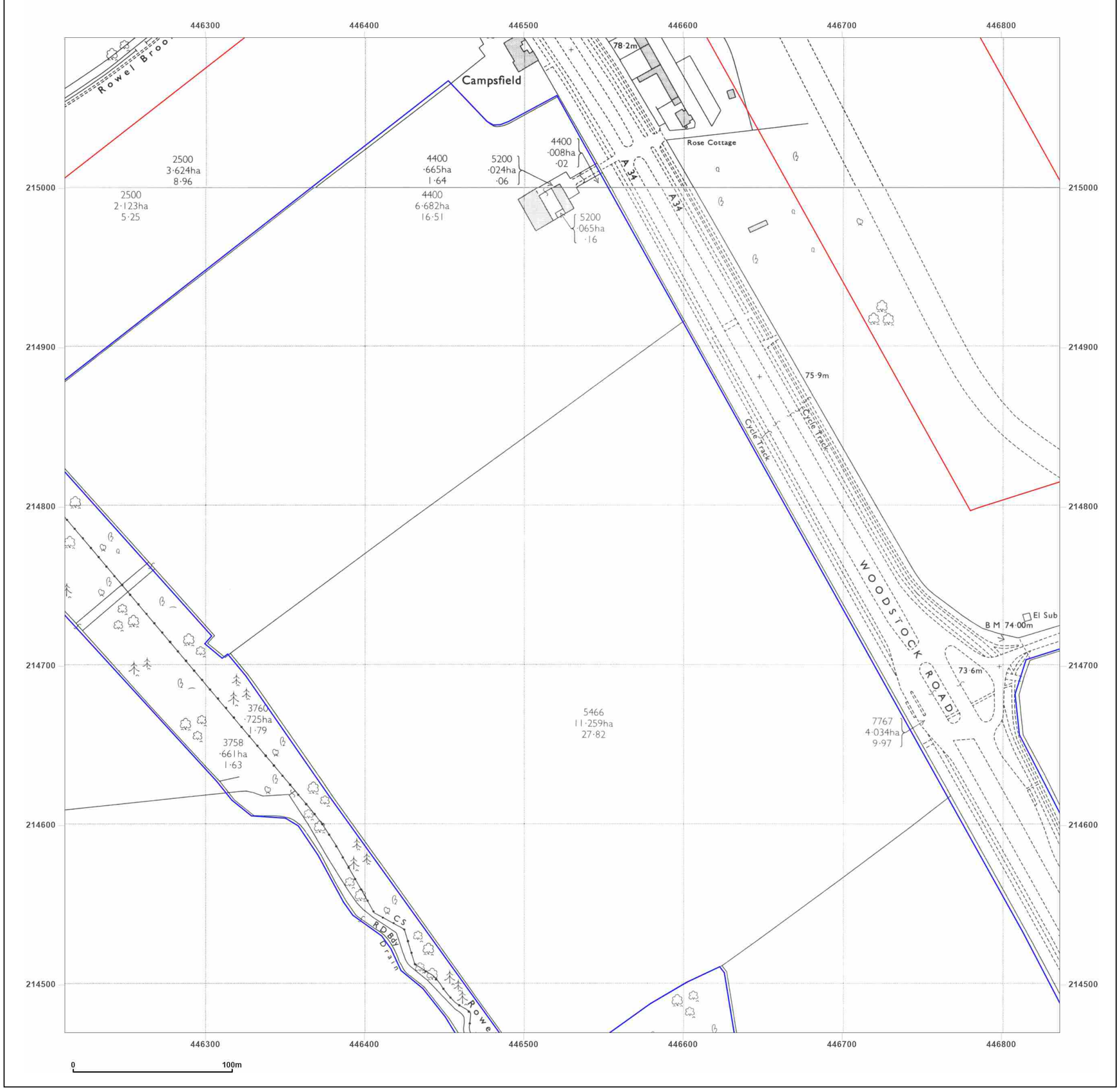
Surveyed 1936
Revised 1936
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_8
Grid Ref: 446524, 214782

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1970

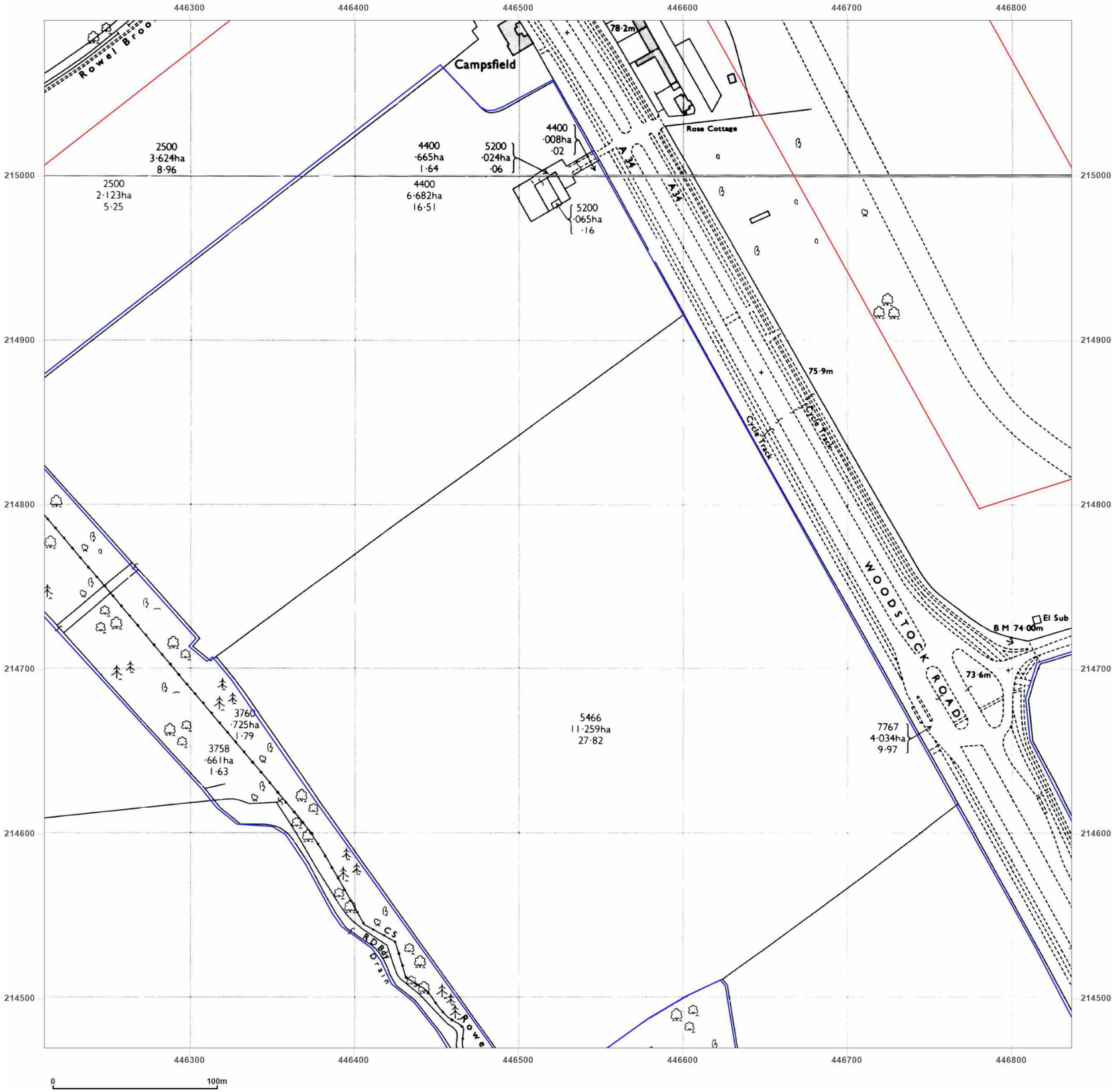
Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1970

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_8
Grid Ref: 446524, 214782

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

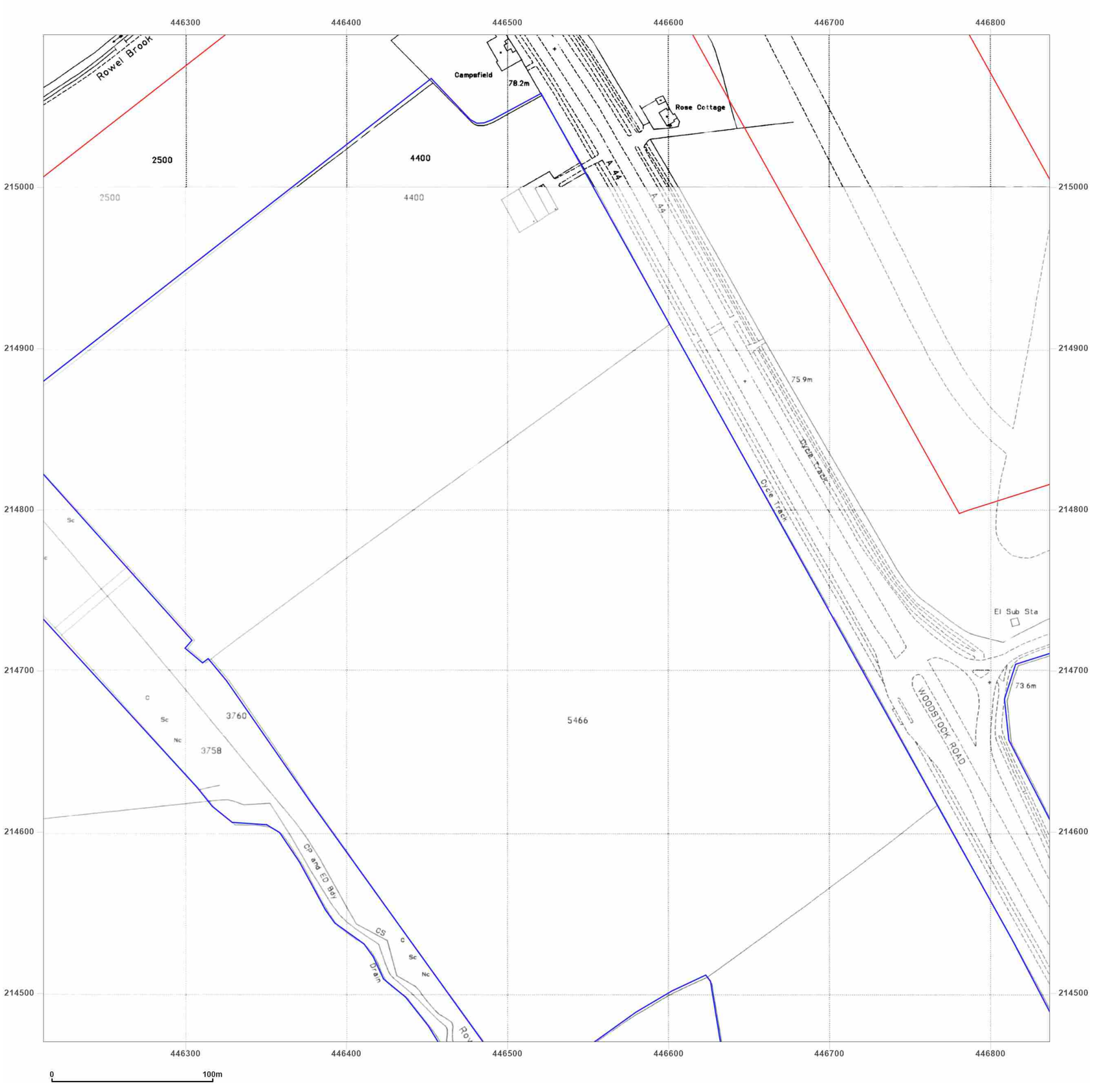
Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_8
Grid Ref: 446524, 214782

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1994
Levelled N/A

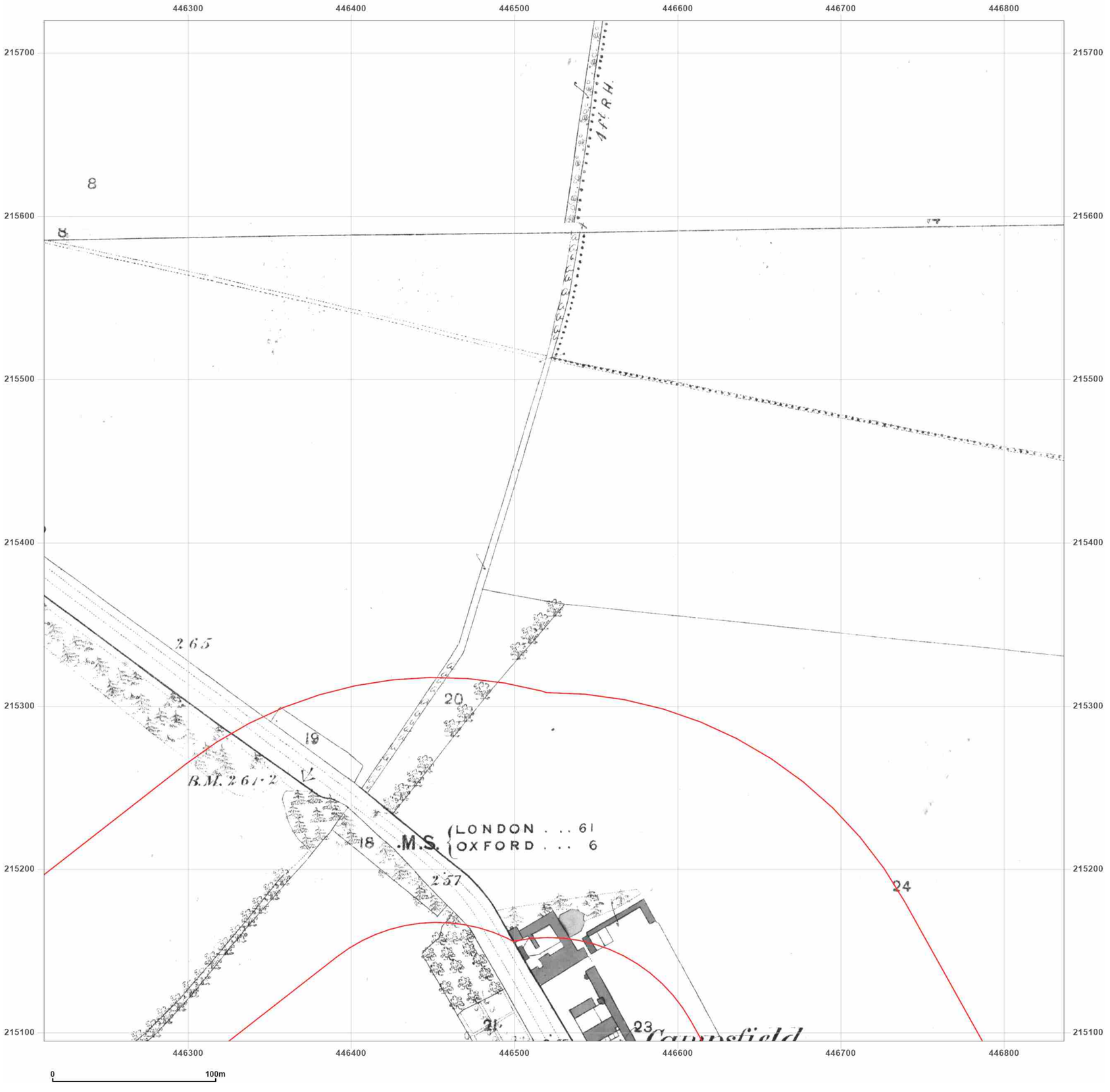
Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_9
Grid Ref: 446524, 215407

Map Name: County Series

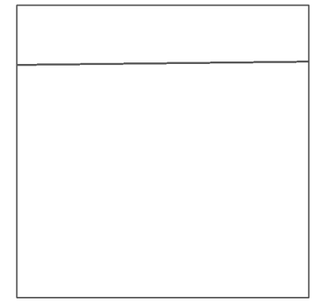
Map date: **1880**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A



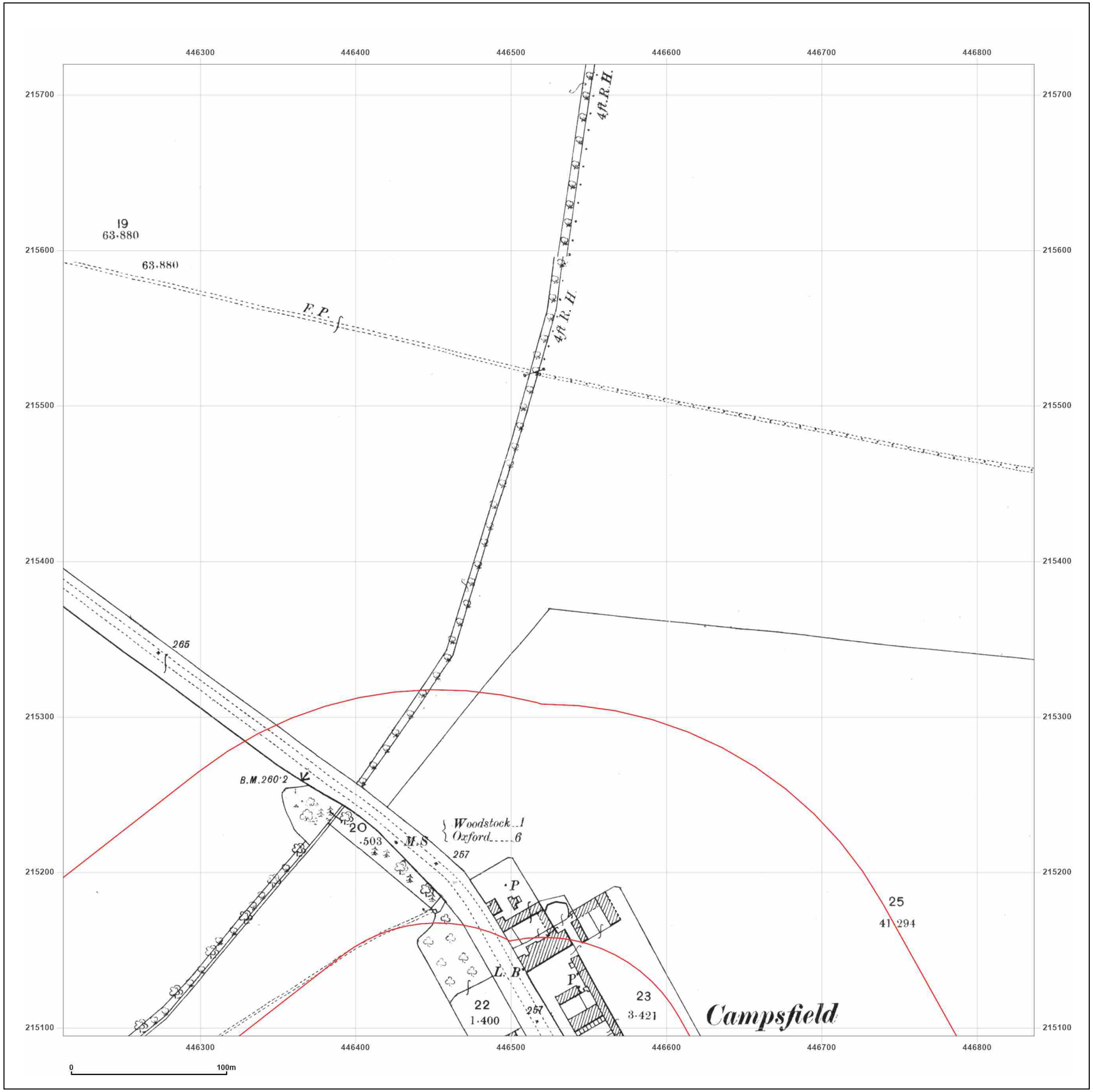
Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_9
Grid Ref: 446524, 215407

Map Name: County Series

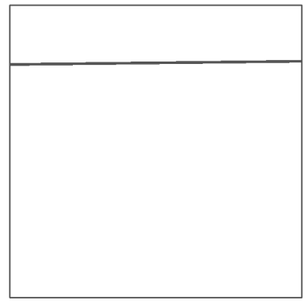
Map date: **1899**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A



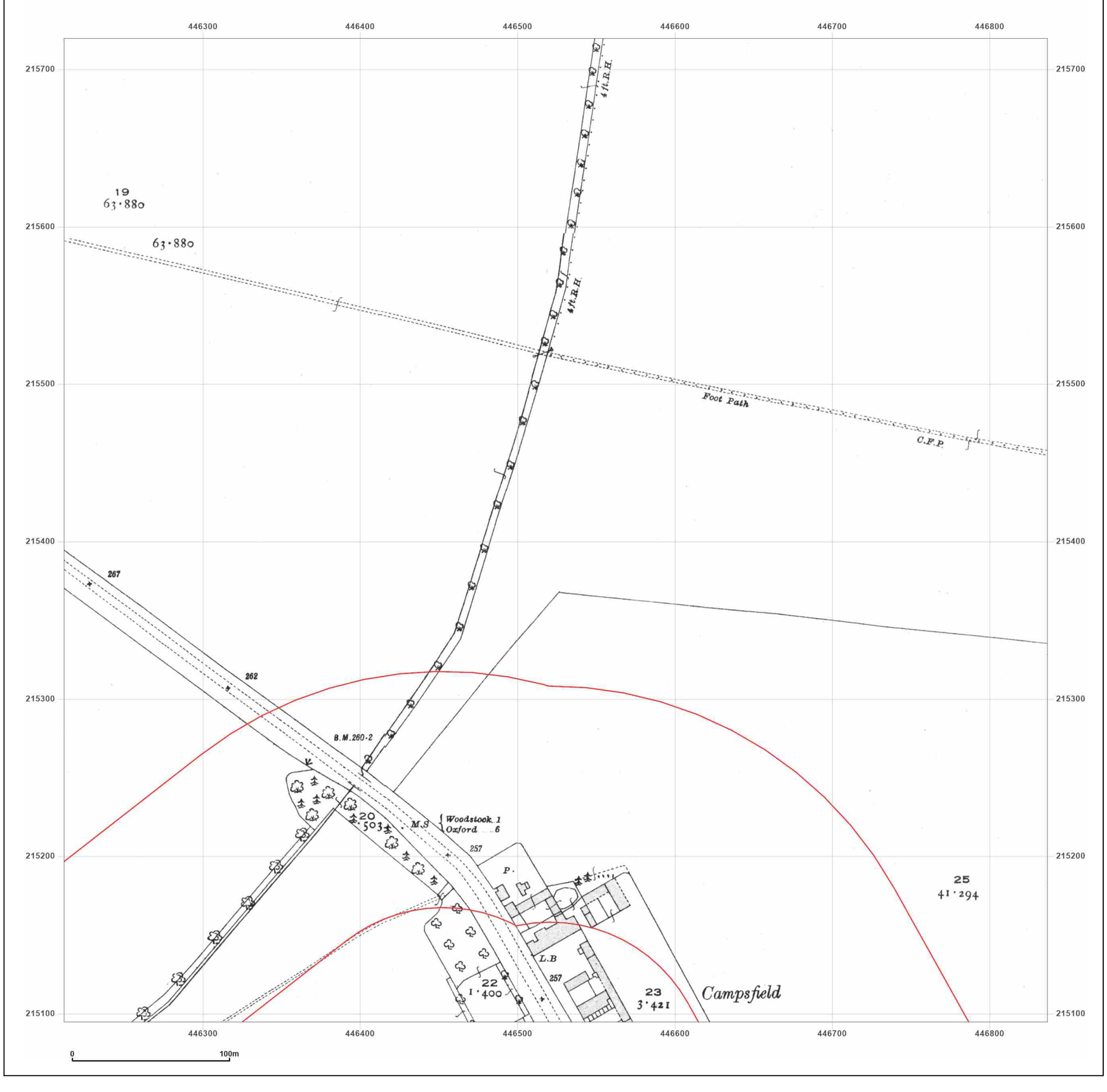
Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_9
Grid Ref: 446524, 215407

Map Name: County Series

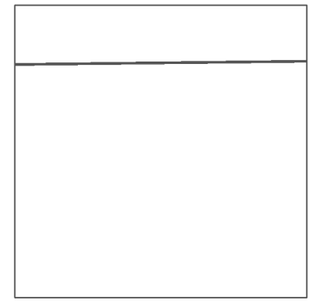
Map date: **1922**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1922
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A



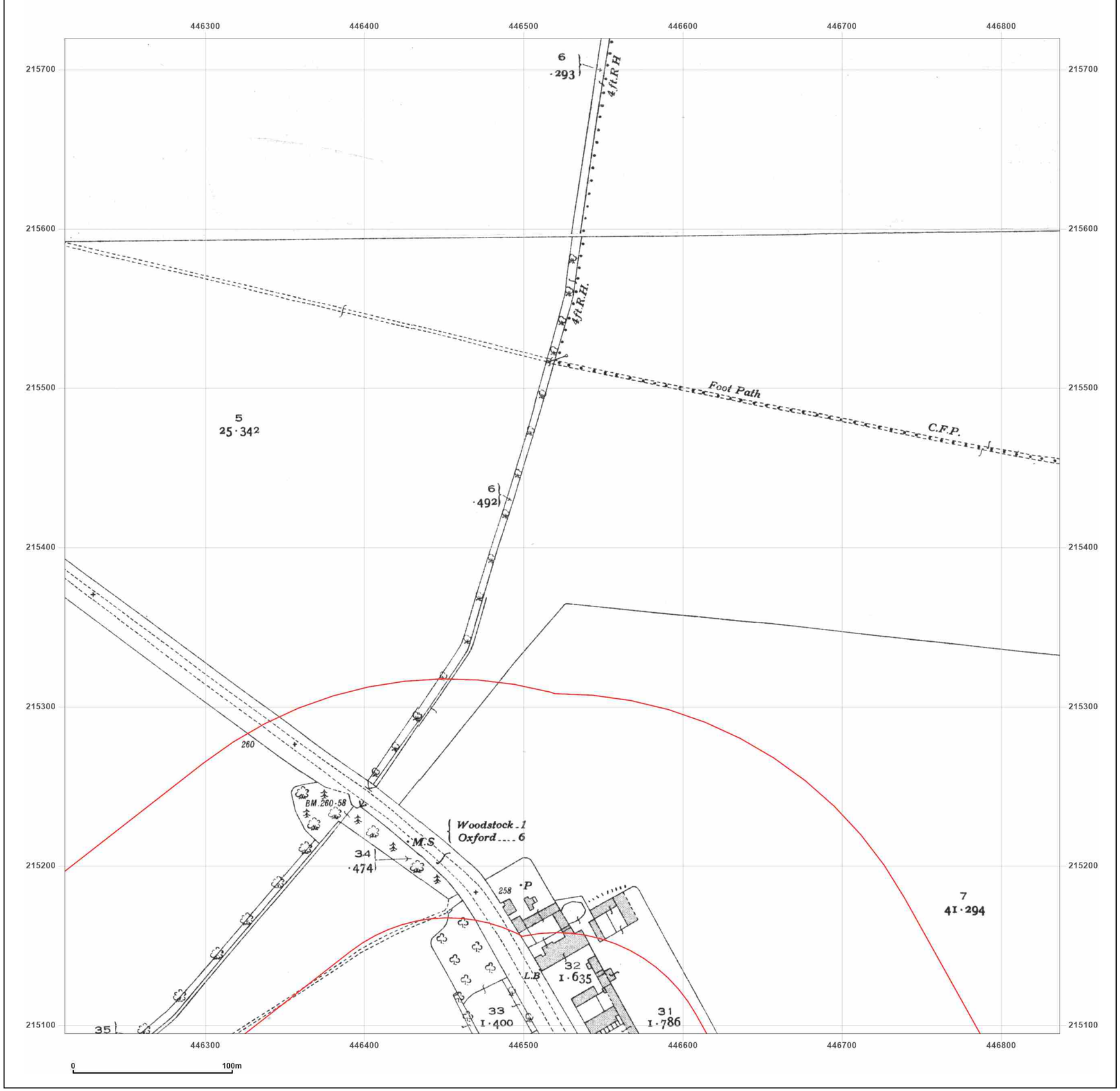
Surveyed 1922
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_9
Grid Ref: 446524, 215407

Map Name: County Series

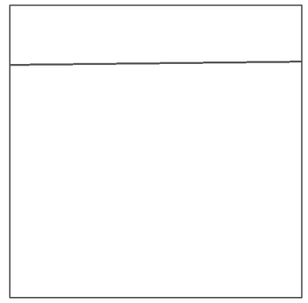
Map date: **1936-1939**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A



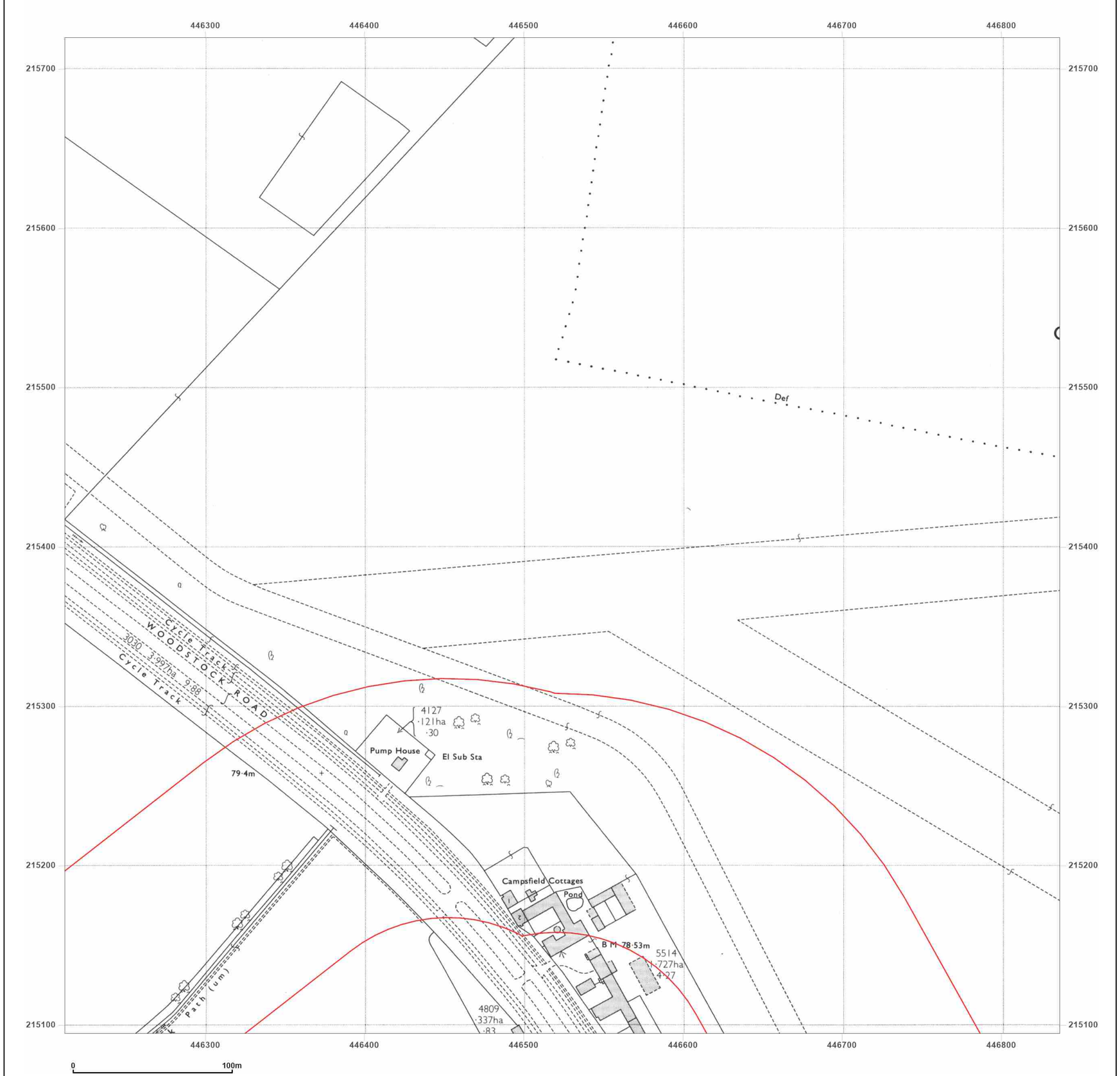
Surveyed 1936
Revised 1936
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_9
Grid Ref: 446524, 215407

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

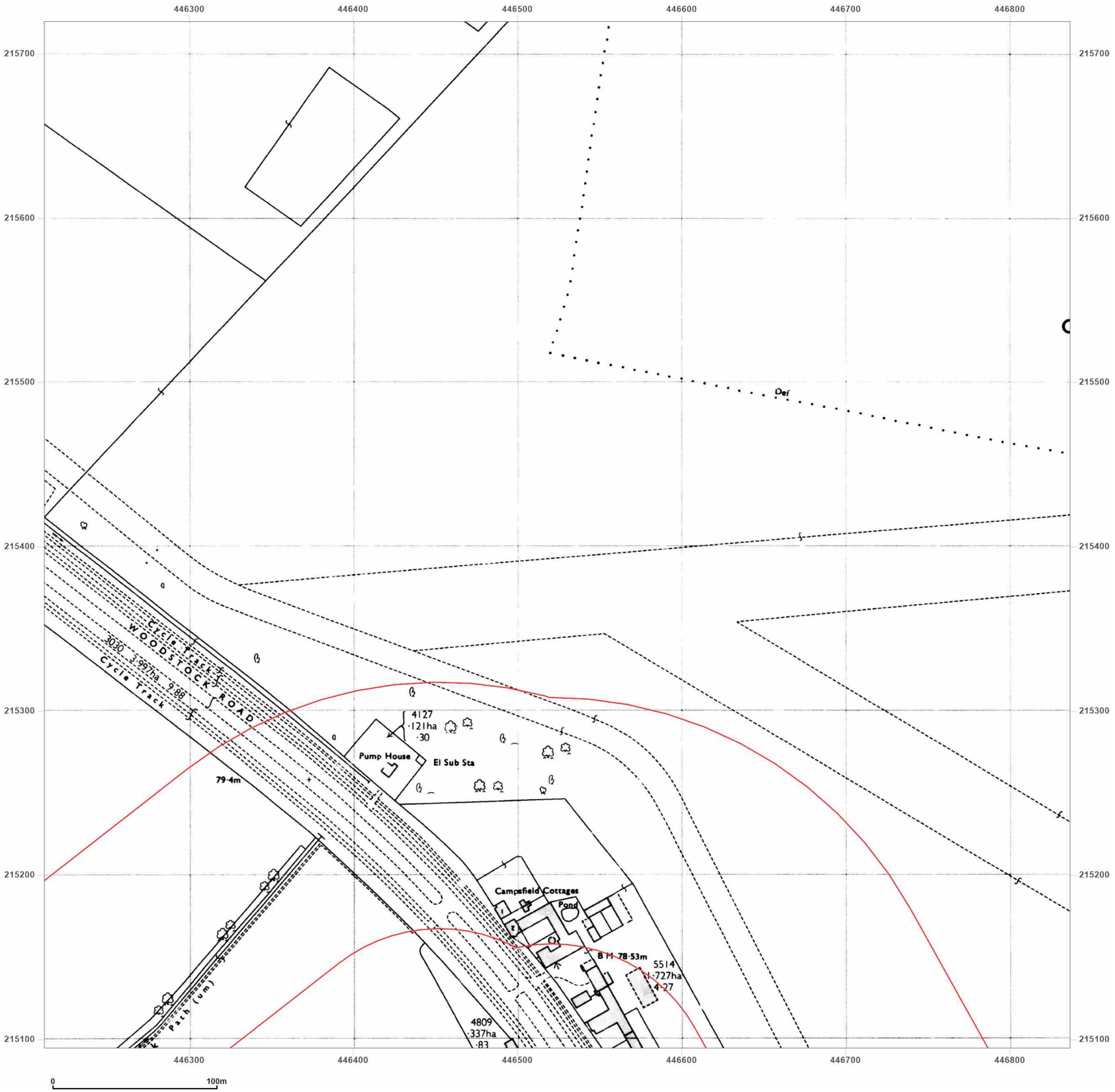
Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1970

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_9
Grid Ref: 446524, 215407

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

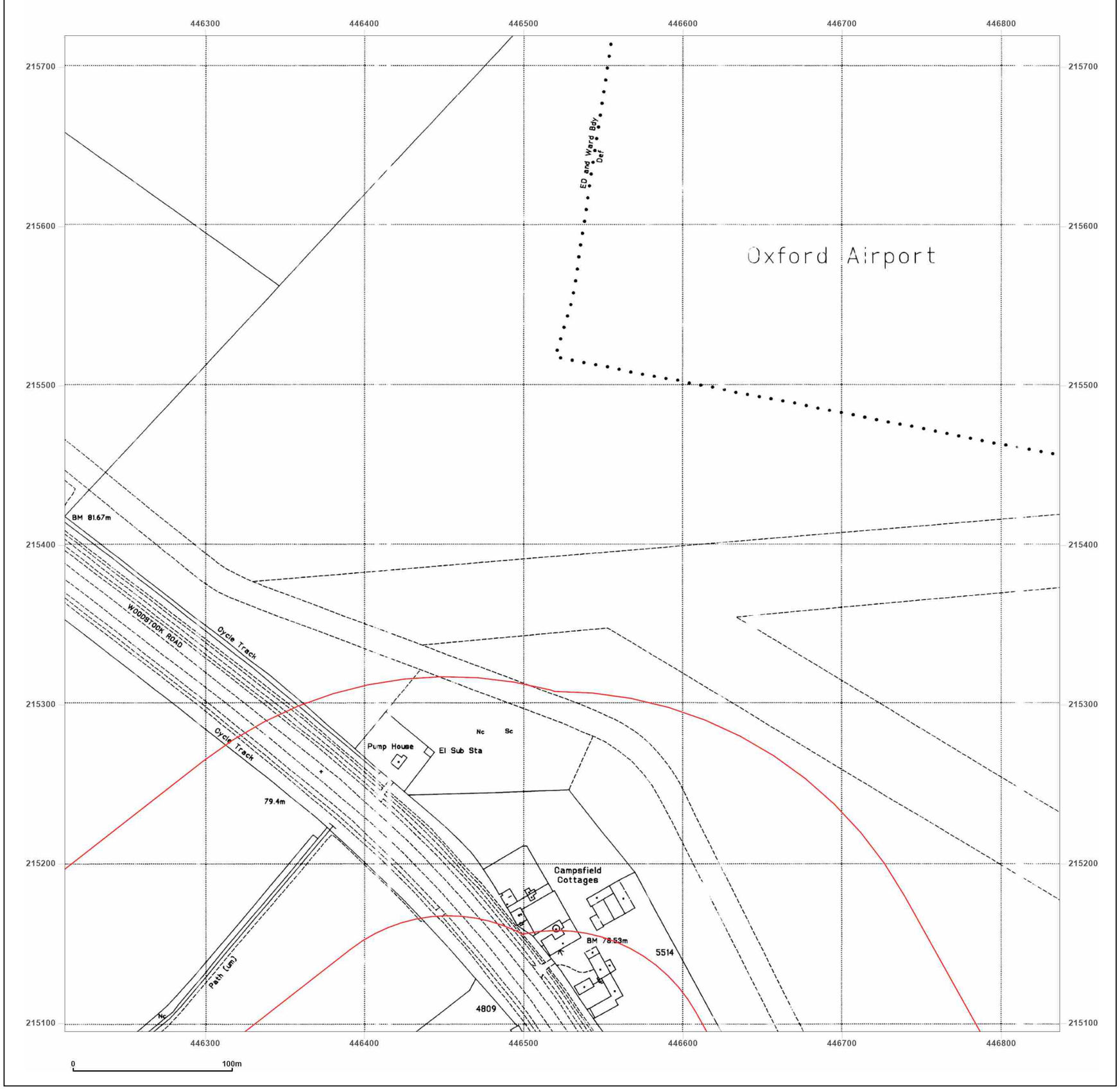
Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_7_9
Grid Ref: 446524, 215407

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

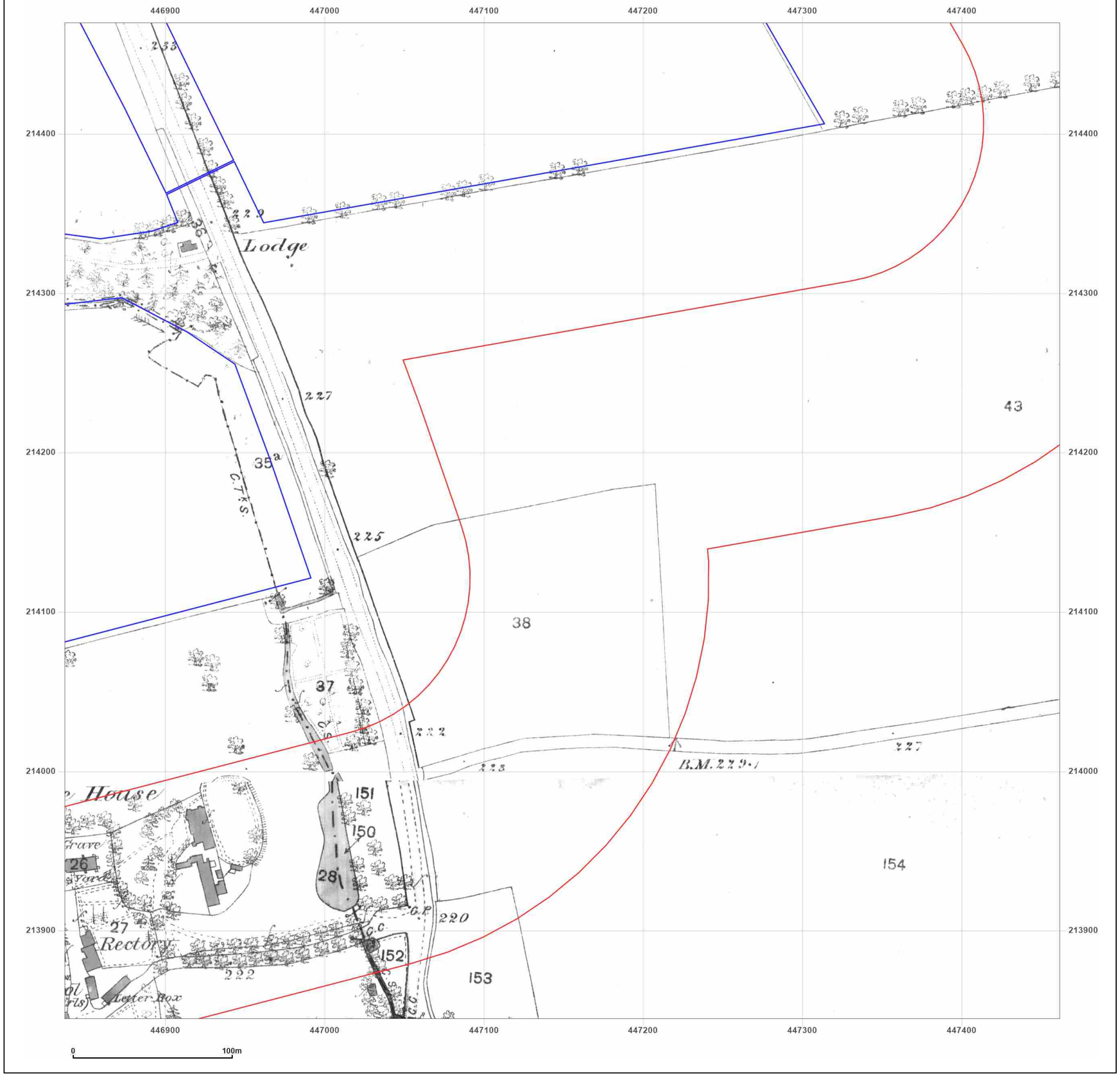
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1994
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_7
Grid Ref: 447149, 214157

Map Name: County Series

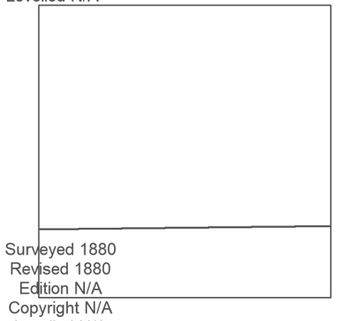
Map date: **1880**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A



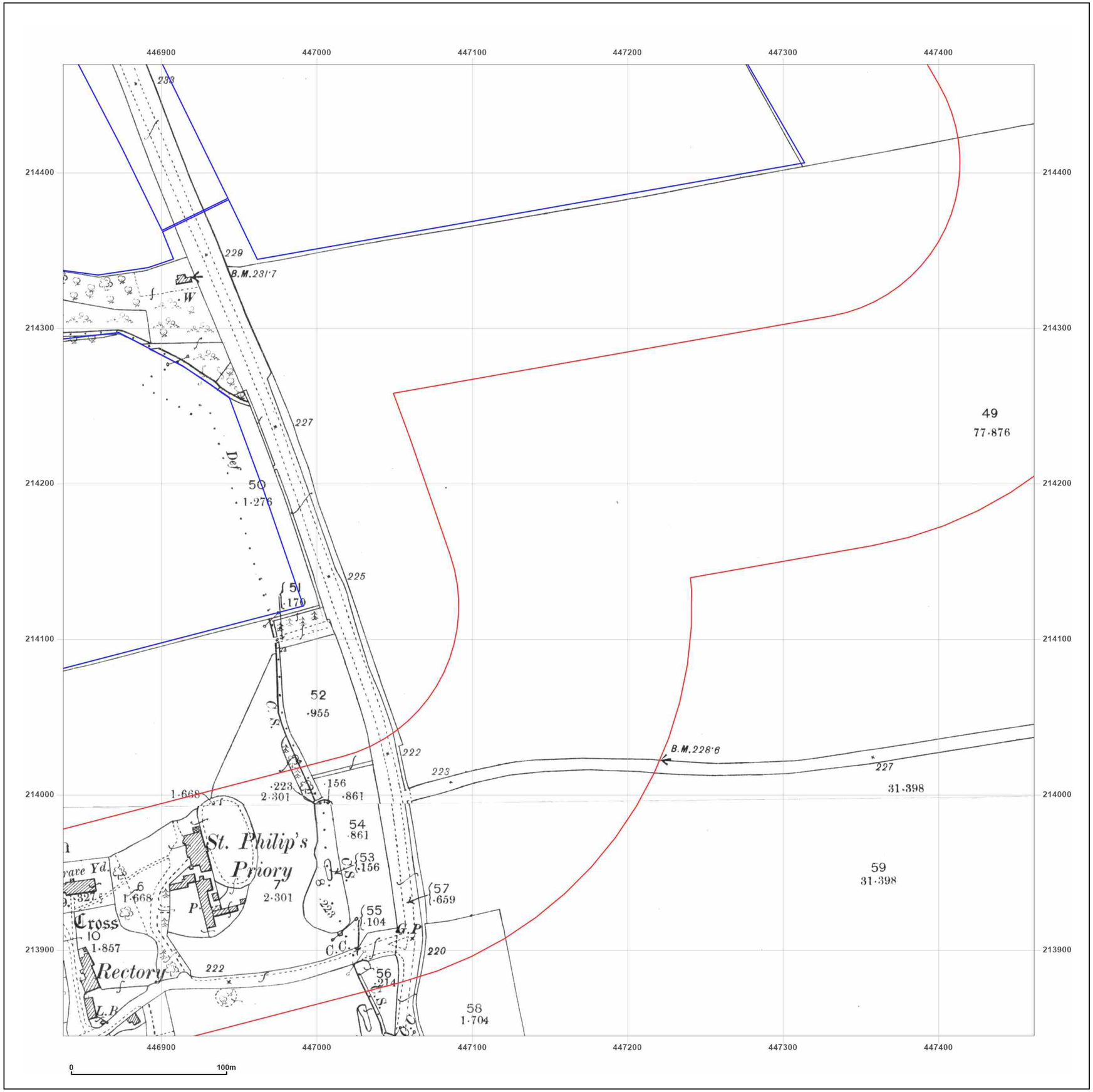
Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_7
Grid Ref: 447149, 214157

Map Name: County Series

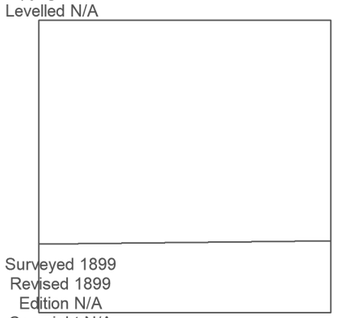
Map date: **1899**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A



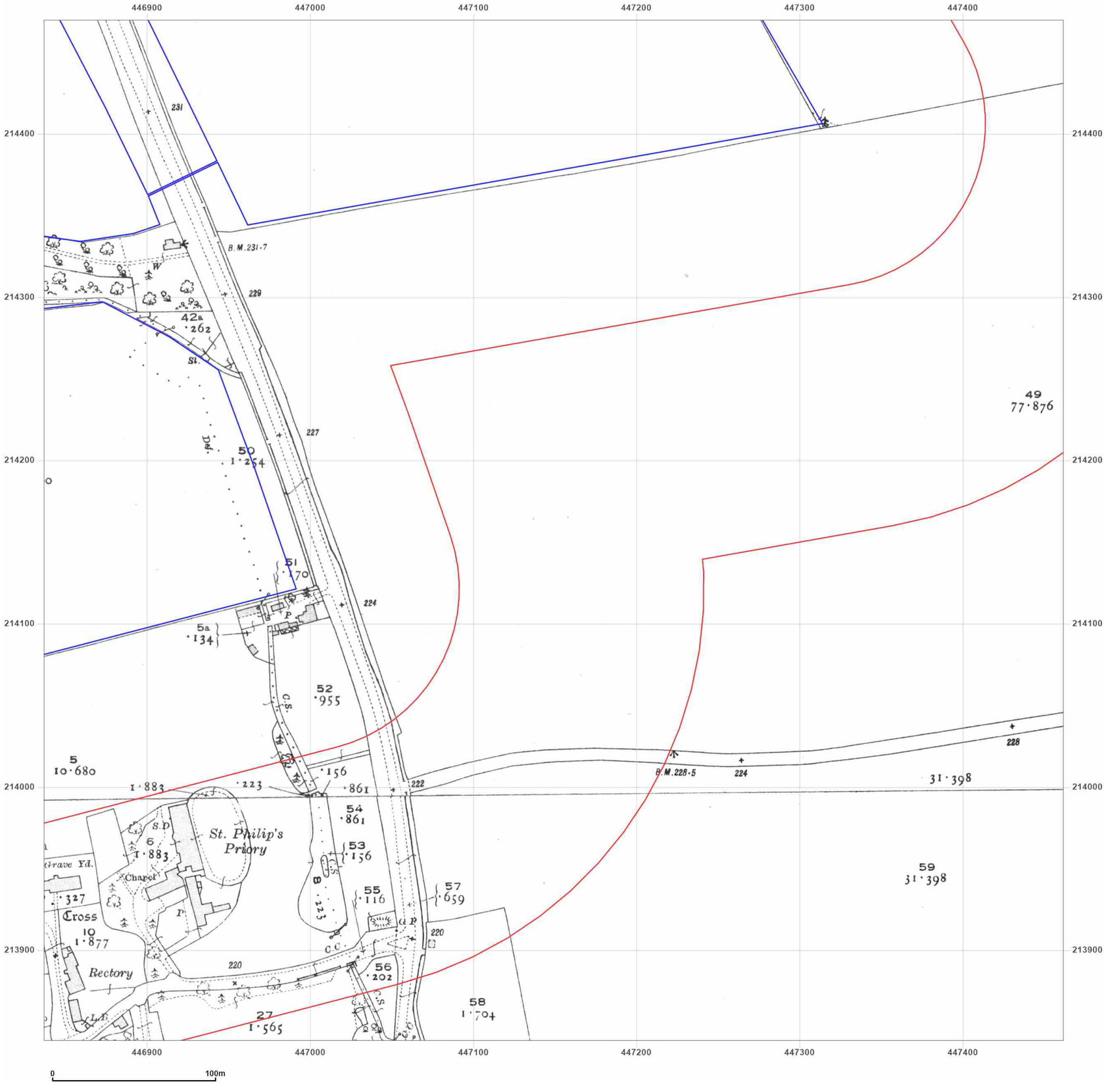
Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_7
Grid Ref: 447149, 214157

Map Name: County Series

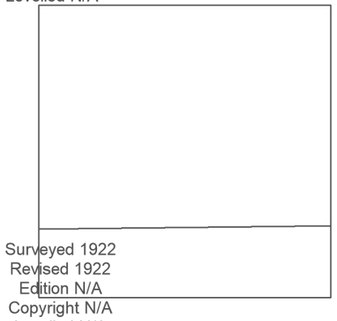
Map date: **1922**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1922
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A



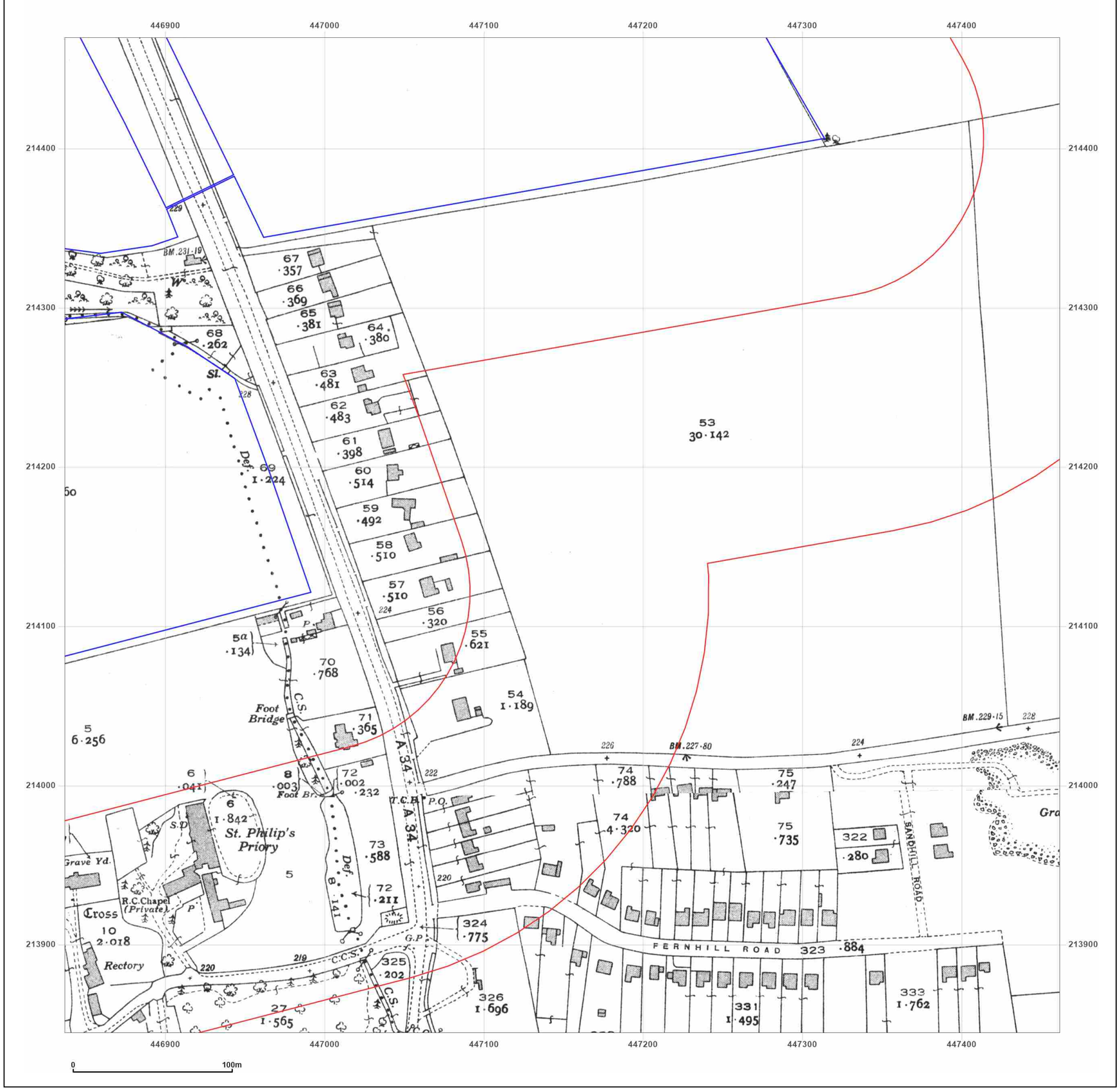
Surveyed 1922
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_7
Grid Ref: 447149, 214157

Map Name: County Series

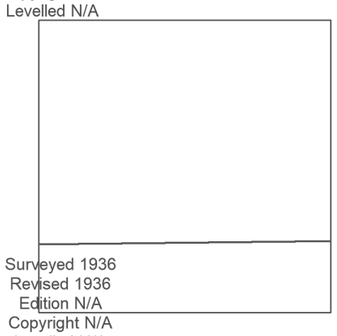
Map date: **1936**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1936
Revised 1936
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1936
Revised 1936
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]

Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_7
Grid Ref: 447149, 214157

Map Name: National Grid

Map date: **1973-1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1973
Levelled N/A

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]

Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_7
Grid Ref: 447149, 214157

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1970

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]

Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_7
Grid Ref: 447149, 214157

Map Name: National Grid

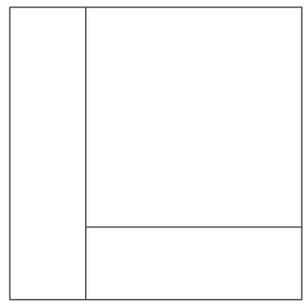
Map date: **1981-1986**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1986
Levelled 1971

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]

Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_7
Grid Ref: 447149, 214157

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1994
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

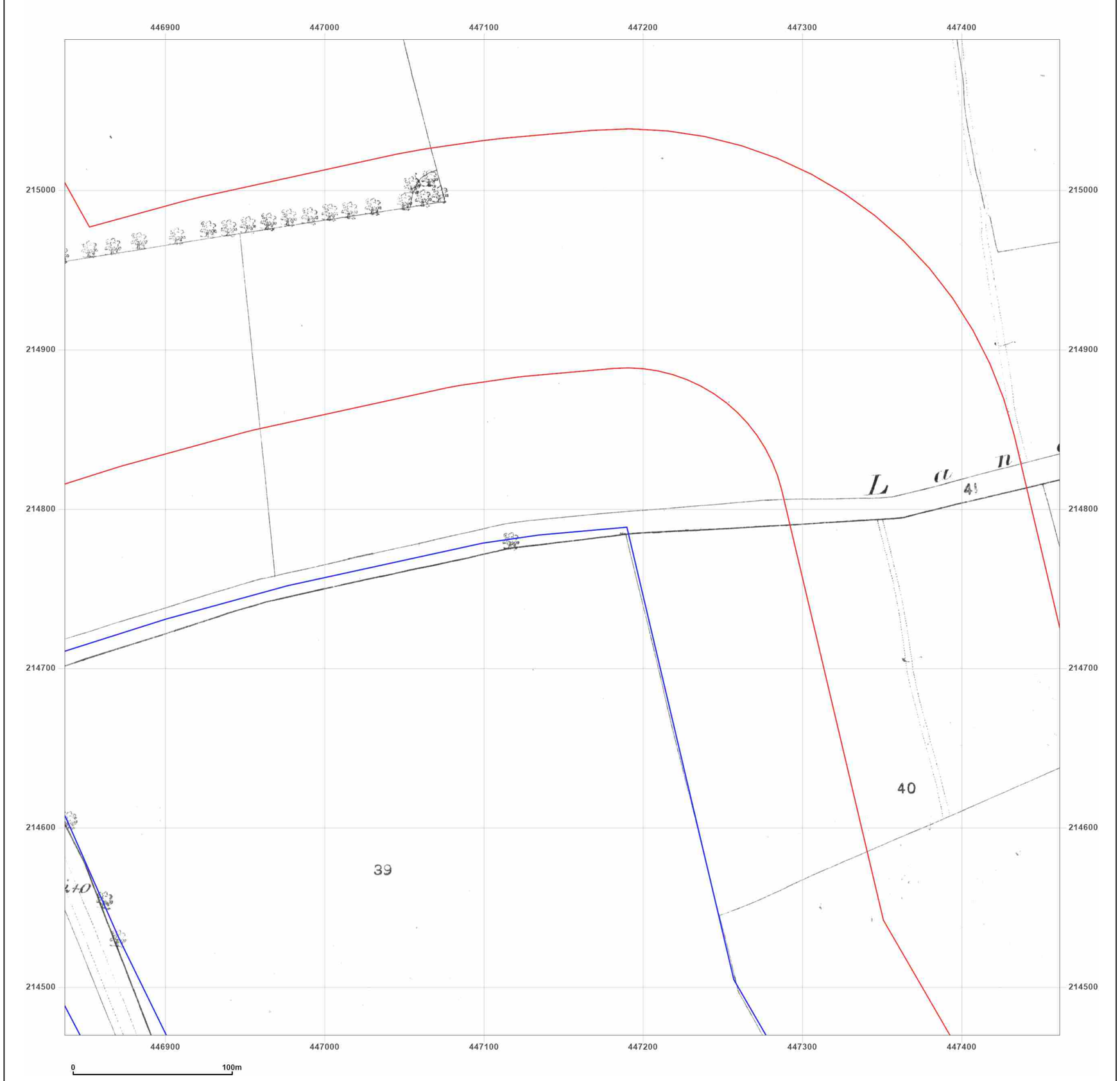
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1994
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_8
Grid Ref: 447149, 214782

Map Name: County Series

Map date: **1880**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

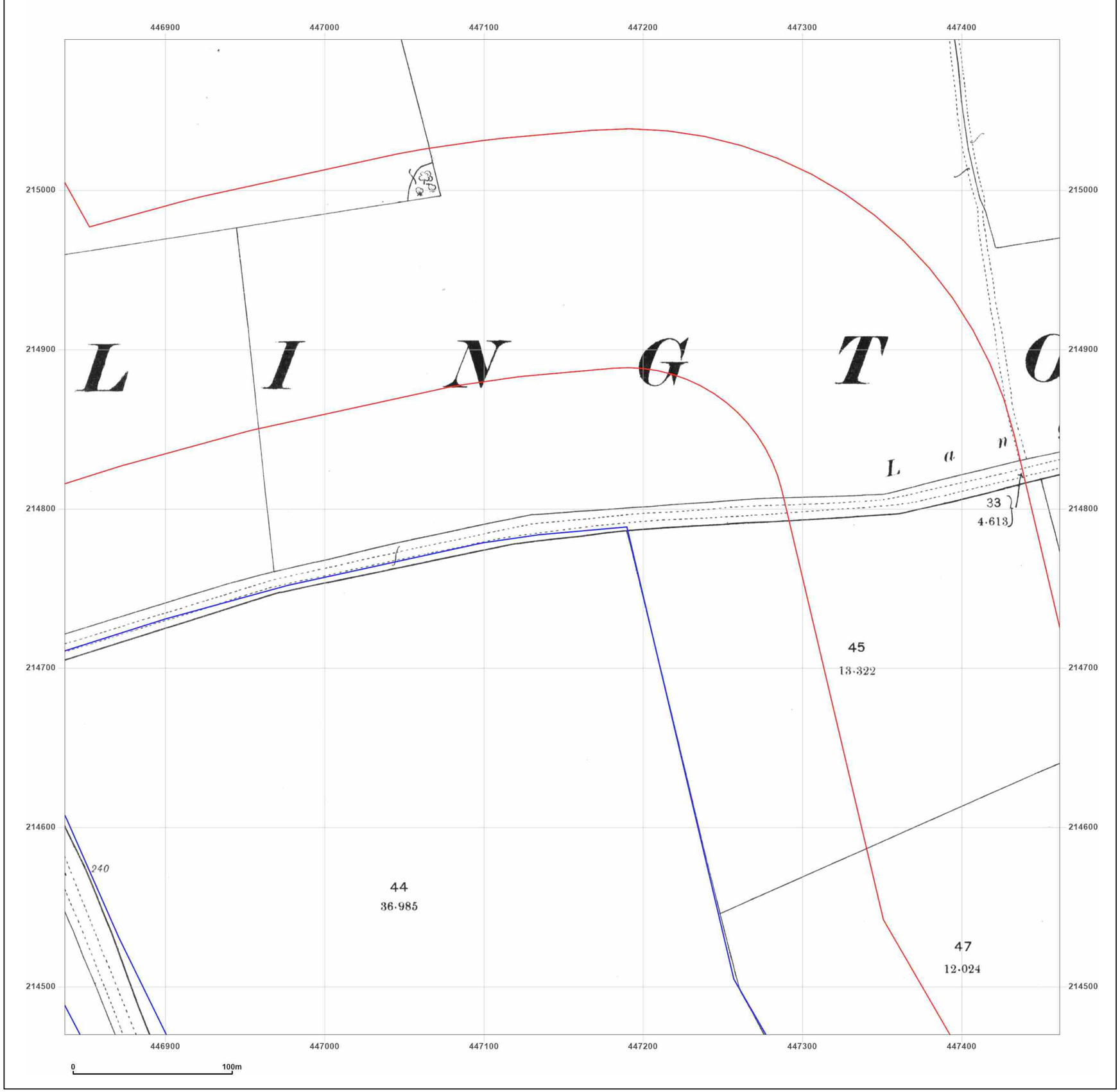
Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_8
Grid Ref: 447149, 214782

Map Name: County Series

Map date: **1899**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

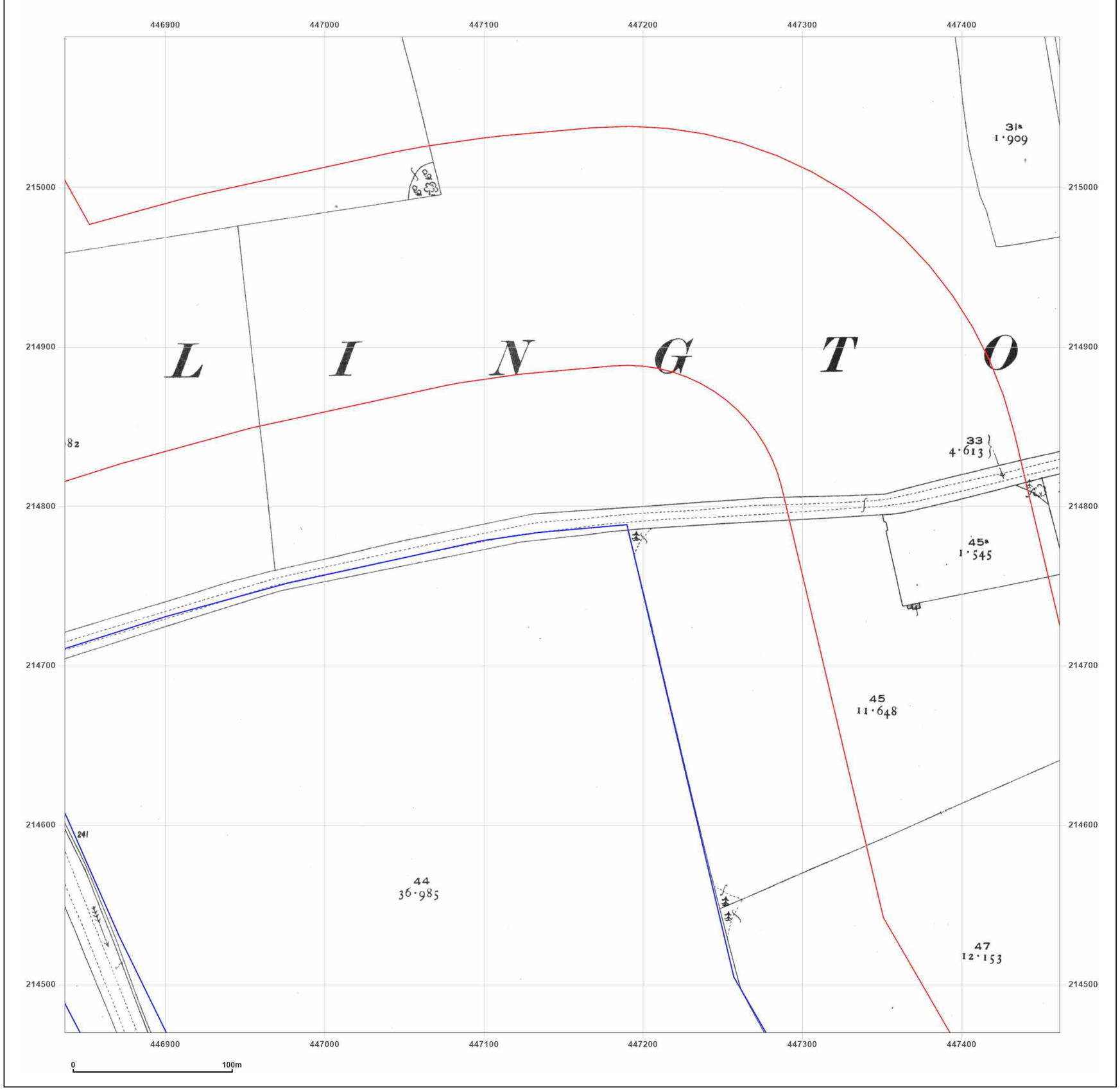
Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_8
Grid Ref: 447149, 214782

Map Name: County Series

Map date: 1922

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

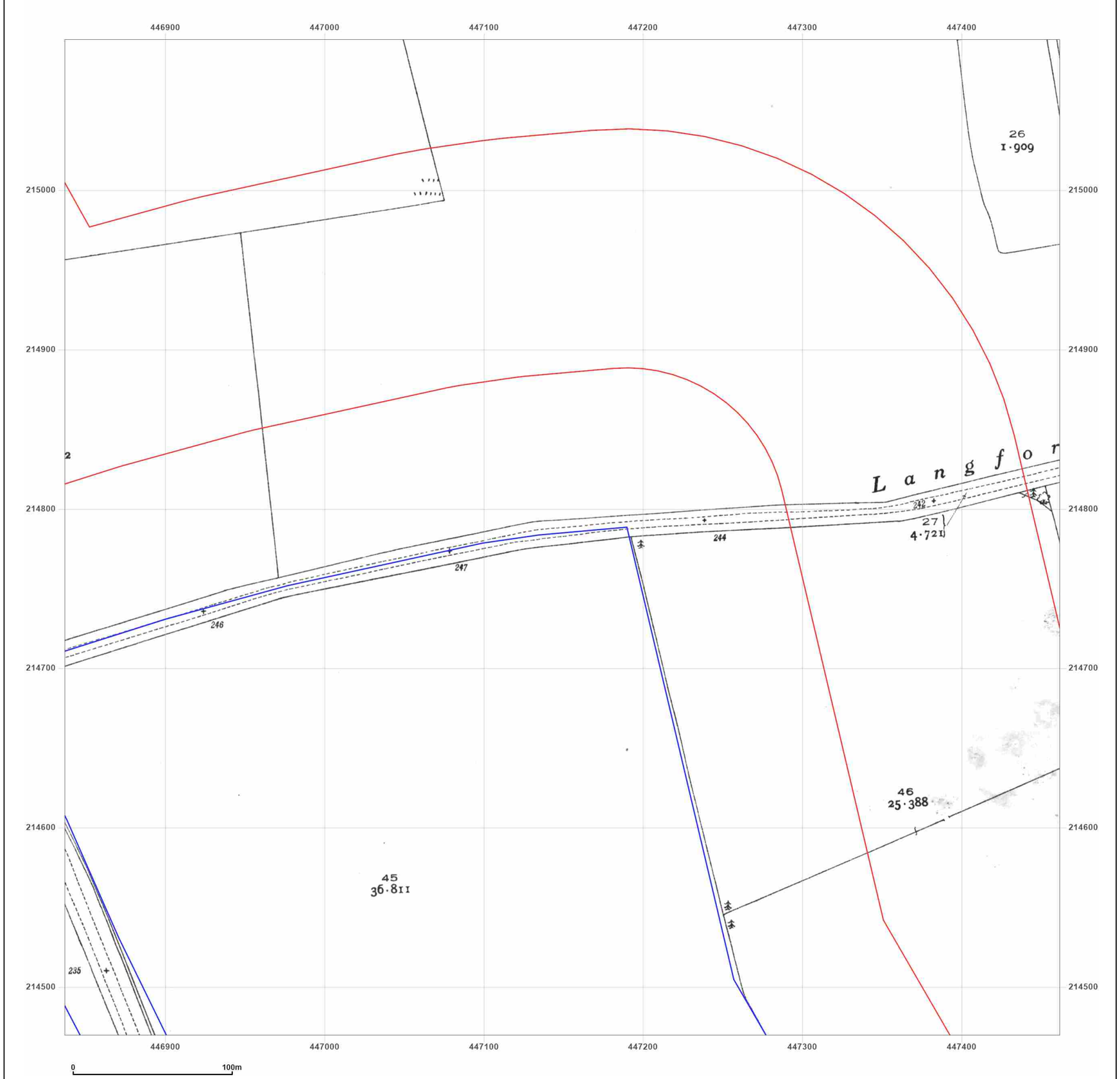
Surveyed 1922
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_8
Grid Ref: 447149, 214782

Map Name: County Series

Map date: **1936**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1936
Revised 1936
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:

Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_8
Grid Ref: 447149, 214782

Map Name: National Grid

Map date: **1973-1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1973
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1973
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]

Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_8
Grid Ref: 447149, 214782

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1970

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1970

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]

Site Details:

Middle - BM Solar

Client Ref:	Middle - BM Solar
Report Ref:	GSIP-2022-12757-10509_LS_8_8
Grid Ref:	447149, 214782

Map Name:	National Grid
Map date:	**1981**
Scale:	1:2,500
Printed at:	1:2,500

N
W E
S

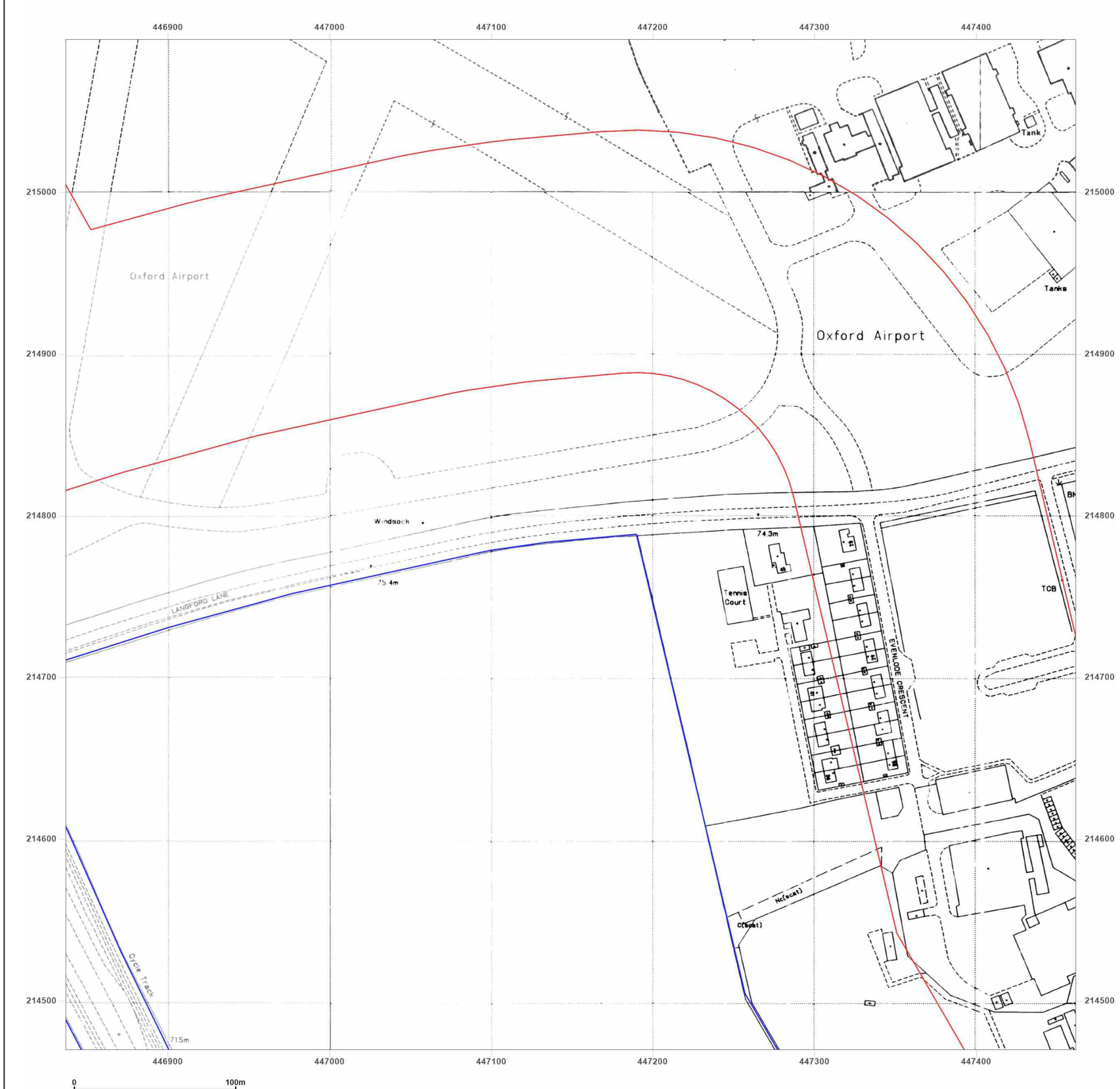
Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:
[redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_8_8
Grid Ref: 447149, 214782

Map Name: National Grid

Map date: **1992-1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1994
Levelled N/A

Surveyed 1970
Revised 1992
Edition N/A
Copyright 1992
Levelled 1970

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1994
Levelled 1970

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]

Annex D
Groundsure Insights Environmental Data Reports

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Middle - BM Solar

Order Details

Date: 25/05/2022

Your ref: Middle - BM Solar

Our Ref: GSIP-2022-12757-10510

Site Details

Location: 445923 214454

Area: 199.17 ha

Authority: West Oxfordshire District Council, Cherwell District Council

Contact us with any questions at:
info@groundsure.com
08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	7	8	13	10	-
15	1.2	Historical tanks	0	1	2	9	-
16	1.3	Historical energy features	0	3	6	7	-
17	1.4	Historical petrol stations	0	0	0	0	-
17	1.5	Historical garages	0	0	2	0	-
17	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
18	2.1	Historical industrial land uses	8	9	17	12	-
20	2.2	Historical tanks	0	1	2	13	-
21	2.3	Historical energy features	0	6	11	14	-
22	2.4	Historical petrol stations	0	0	0	0	-
23	2.5	Historical garages	0	0	3	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
24	3.1	Active or recent landfill	0	0	0	0	-
24	3.2	Historical landfill (BGS records)	0	0	0	0	-
25	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
25	3.4	Historical landfill (EA/NRW records)	0	0	0	1	-
25	3.5	Historical waste sites	0	0	0	0	-
25	3.6	Licensed waste sites	0	0	0	0	-
26	3.7	Waste exemptions	11	3	5	2	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
28	4.1	Recent industrial land uses	1	4	13	-	-
30	4.2	Current or recent petrol stations	0	0	0	1	-
30	4.3	Electricity cables	0	0	0	0	-
30	4.4	Gas pipelines	0	0	0	0	-
30	4.5	Sites determined as Contaminated Land	0	0	0	0	-

30	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
31	4.7	Regulated explosive sites	0	0	0	0	-
31	4.8	Hazardous substance storage/usage	0	0	0	0	-
31	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
31	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
31	**4.11**	**Licensed pollutant release (Part A(2)/B)**	0	0	0	2	-
32	4.12	Radioactive Substance Authorisations	0	0	0	0	-
32	**4.13**	**Licensed Discharges to controlled waters**	0	0	2	2	-
33	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
33	4.15	Pollutant release to public sewer	0	0	0	0	-
33	4.16	List 1 Dangerous Substances	0	0	0	0	-
34	4.17	List 2 Dangerous Substances	0	0	0	0	-
34	**4.18**	**Pollution Incidents (EA/NRW)**	0	0	3	1	-
34	4.19	Pollution inventory substances	0	0	0	0	-
35	4.20	Pollution inventory waste transfers	0	0	0	0	-
35	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
36	**5.1**	**Superficial aquifer**	Identified (within 500m)				
38	**5.2**	**Bedrock aquifer**	Identified (within 500m)				
41	**5.3**	**Groundwater vulnerability**	Identified (within 50m)				
49	**5.4**	**Groundwater vulnerability- soluble rock risk**	Identified (within 0m)				
49	5.5	Groundwater vulnerability- local information	None (within 0m)				
50	**5.6**	**Groundwater abstractions**	0	0	0	0	3
51	**5.7**	**Surface water abstractions**	0	0	0	1	9
54	5.8	Potable abstractions	0	0	0	0	0
54	5.9	Source Protection Zones	0	0	0	0	-
54	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
55	**6.1**	**Water Network (OS MasterMap)**	11	11	14	-	-

58	6.2	Surface water features	1	5	13	-	-
59	6.3	WFD Surface water body catchments	2	-	-	-	-
59	6.4	WFD Surface water bodies	0	0	0	-	-
60	6.5	WFD Groundwater bodies	3	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
61	7.1	Risk of flooding from rivers and the sea	High (within 50m)				
62	7.2	Historical Flood Events	0	0	1	-	-
62	7.3	Flood Defences	0	0	0	-	-
62	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
63	7.5	Flood Storage Areas	0	0	0	-	-
64	7.6	Flood Zone 2	Identified (within 50m)				
65	7.7	Flood Zone 3	Identified (within 50m)				
Page	Section	Surface water flooding					
66	8.1	Surface water flooding	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
68	9.1	Groundwater flooding	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
69	10.1	Sites of Special Scientific Interest (SSSI)	0	0	1	0	2
70	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
70	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
70	10.4	Special Protection Areas (SPA)	0	0	0	0	0
70	10.5	National Nature Reserves (NNR)	0	0	0	0	0
71	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
71	10.7	Designated Ancient Woodland	6	2	8	7	4
72	10.8	Biosphere Reserves	0	0	0	0	0
72	10.9	Forest Parks	0	0	0	0	0
73	10.10	Marine Conservation Zones	0	0	0	0	0
73	10.11	Green Belt	2	0	0	0	1
73	10.12	Proposed Ramsar sites	0	0	0	0	0

73	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
74	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
74	10.15	Nitrate Sensitive Areas	0	0	0	0	0
74	**10.16**	**Nitrate Vulnerable Zones**	3	1	1	2	12
76	**10.17**	**SSSI Impact Risk Zones**	13	-	-	-	-
83	**10.18**	**SSSI Units**	0	0	1	0	7
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
87	**11.1**	**World Heritage Sites**	0	0	1	-	-
88	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
88	11.3	National Parks	0	0	0	-	-
88	**11.4**	**Listed Buildings**	0	1	30	-	-
90	**11.5**	**Conservation Areas**	1	0	1	-	-
91	11.6	Scheduled Ancient Monuments	0	0	0	-	-
91	**11.7**	**Registered Parks and Gardens**	0	0	1	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
92	**12.1**	**Agricultural Land Classification**	Grade 4 (within 250m)				
93	**12.2**	**Open Access Land**	0	0	1	-	-
93	**12.3**	**Tree Felling Licences**	1	0	3	-	-
94	**12.4**	**Environmental Stewardship Schemes**	3	0	3	-	-
94	**12.5**	**Countryside Stewardship Schemes**	2	1	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
96	**13.1**	**Priority Habitat Inventory**	19	12	37	-	-
99	13.2	Habitat Networks	0	0	0	-	-
99	13.3	Open Mosaic Habitat	0	0	0	-	-
99	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
101	**14.1**	**10k Availability**	Identified (within 500m)				
102	**14.2**	**Artificial and made ground (10k)**	0	0	0	2	-
103	**14.3**	**Superficial geology (10k)**	4	1	1	1	-

104	14.4	Landslip (10k)	0	0	0	0	-
105	**14.5**	**Bedrock geology (10k)**	11	1	1	0	-
106	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
107	**15.1**	**50k Availability**	Identified (within 500m)				
108	**15.2**	**Artificial and made ground (50k)**	0	0	0	1	-
109	15.3	Artificial ground permeability (50k)	0	0	-	-	-
110	**15.4**	**Superficial geology (50k)**	4	1	2	2	-
111	**15.5**	**Superficial permeability (50k)**	Identified (within 50m)				
111	15.6	Landslip (50k)	0	0	0	0	-
112	15.7	Landslip permeability (50k)	None (within 50m)				
113	**15.8**	**Bedrock geology (50k)**	10	1	3	3	-
114	**15.9**	**Bedrock permeability (50k)**	Identified (within 50m)				
115	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
116	**16.1**	**BGS Boreholes**	0	0	2	-	-
Page	Section	Natural ground subsidence					
117	**17.1**	**Shrink swell clays**	Moderate (within 50m)				
119	**17.2**	**Running sands**	Low (within 50m)				
121	**17.3**	**Compressible deposits**	Negligible (within 50m)				
122	**17.4**	**Collapsible deposits**	Very low (within 50m)				
123	**17.5**	**Landslides**	Very low (within 50m)				
124	**17.6**	**Ground dissolution of soluble rocks**	Low (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
126	18.1	Natural cavities	0	0	0	0	-
127	**18.2**	**BritPits**	1	10	3	6	-
130	**18.3**	**Surface ground workings**	8	4	19	-	-
132	18.4	Underground workings	0	0	0	0	0
132	**18.5**	**Historical Mineral Planning Areas**	0	1	1	1	-

132	18.6	Non-coal mining	0	0	0	0	0
133	18.7	Mining cavities	0	0	0	0	0
133	18.8	JPB mining areas	None (within 0m)				
133	18.9	Coal mining	None (within 0m)				
133	18.10	Brine areas	None (within 0m)				
133	18.11	Gypsum areas	None (within 0m)				
134	18.12	Tin mining	None (within 0m)				
134	18.13	Clay mining	None (within 0m)				

Page	Section	Radon	
135	**19.1**	**Radon**	Between 5% and 10% (within 0m)

Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
137	**20.1**	**BGS Estimated Background Soil Chemistry**	76	14	-	-	-
142	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
142	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-

Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
143	21.1	Underground railways (London)	0	0	0	-	-
143	21.2	Underground railways (Non-London)	0	0	0	-	-
143	21.3	Railway tunnels	0	0	0	-	-
143	21.4	Historical railway and tunnel features	0	0	0	-	-
143	21.5	Royal Mail tunnels	0	0	0	-	-
144	21.6	Historical railways	0	0	0	-	-
144	21.7	Railways	0	0	0	-	-
144	21.8	Crossrail 1	0	0	0	0	-
144	21.9	Crossrail 2	0	0	0	0	-
144	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 24/08/2019

Site Area: 199.17ha

Recent site history - 2018 aerial photograph

Capture Date: 28/06/2018

Site Area: 199.17ha

Recent site history - 2015 aerial photograph

Capture Date: 07/09/2015

Site Area: 199.17ha

Recent site history - 2006 aerial photograph

Capture Date: 12/10/2006

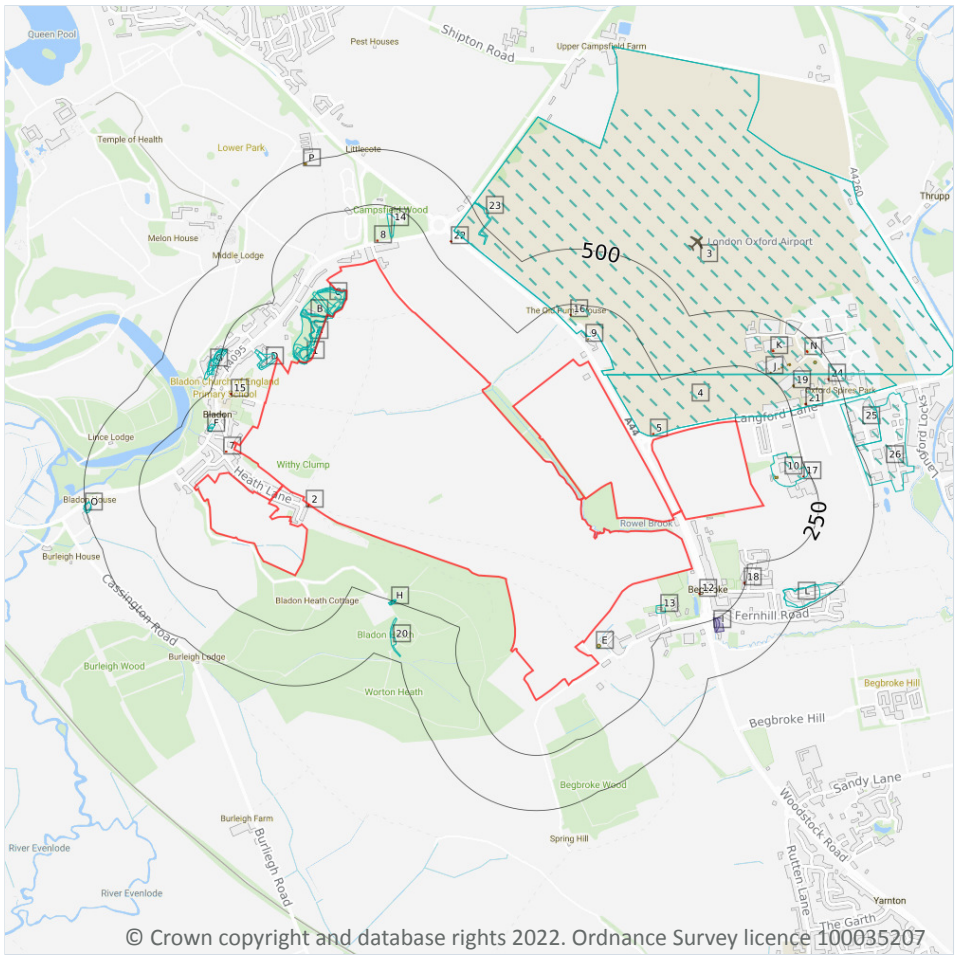
Site Area: 199.17ha

Recent site history - 1999 aerial photograph

Capture Date: 02/09/1999

Site Area: 199.17ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	38

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Unspecified Disused Pits**	**1978**	**1766875**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Quarry**	**1880**	**1762767**
A	**On site**	**Unspecified Pits**	**1923**	**1816411**
B	**On site**	**Unspecified Pits**	**1898 - 1923**	**1788751**
B	**On site**	**Unspecified Pits**	**1950**	**1818385**
C	**On site**	**Unspecified Disused Pits**	**1978**	**1766890**
D	**On site**	**Unspecified Pit**	**1950**	**1778292**
C	0m NW	Unspecified Quarry	1880	1762768
C	1m N	Unspecified Pits	1923	1807626
D	12m W	Unspecified Quarry	1978	1762769
3	13m N	Airport	1978 - 1979	1843285
4	13m N	Airport	1992	1786838
6	32m NE	Aerodrome	1950	1760524
E	45m NE	Unspecified Tank	1992	1769079
D	49m W	Unspecified Pit	1950	1778293
10	100m NE	Unspecified Depot	1979	1763995
F	116m NW	Smithy	1923	1808603
F	116m NW	Smithy	1898 - 1950	1848309
13	122m S	Grave Yard	1876	1762902
14	124m NE	Unspecified Pit	1880	1778281
G	230m W	Unspecified Quarry	1880	1826858
G	234m W	Unspecified Kiln	1880	1769409
H	238m S	Old Gravel Pit	1968	1820255
G	239m W	Unspecified Old Quarry	1950	1850148
H	244m S	Old Gravel Pit	1923	1807250
H	244m S	Old Gravel Pit	1898 - 1923	1818484
G	247m W	Unspecified Old Quarry	1898 - 1923	1842268
G	248m W	Unspecified Old Quarry	1923	1850120
G	259m W	Unspecified Quarry	1950	1819366

ID	Location	Land use	Dates present	Group ID
20	317m S	Unspecified Ground Workings	1880	1755491
L	392m S	Gravel Pit	1947	1839511
L	394m S	Gravel Pit	1968	1850750
M	439m NE	Unspecified Tank	1978	1769082
23	440m NE	Unspecified Ground Workings	1876	1755498
O	473m W	Unspecified Old Quarry	1923 - 1950	1797063
O	475m W	Unspecified Old Quarry	1898 - 1923	1808515
25	476m E	Unspecified Depot	1992	1783581
26	483m E	Unspecified Depot	1992	1786526

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**12**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
E	48m NE	Unspecified Tank	1994	284930
9	100m N	Unspecified Tank	1972	284932
11	106m NE	Unspecified Tank	1972	284927
J	269m NE	Unspecified Tank	1972	284928
19	302m NE	Tanks	1972 - 1994	291193
J	305m NE	Tanks	1972	287686
J	317m NE	Tanks	1972	287685
J	345m NE	Unspecified Tank	1972	284924
J	348m NE	Unspecified Tank	1992 - 1995	289539

ID	Location	Land use	Dates present	Group ID
M	440m NE	Unspecified Tank	1972	284923
P	488m N	Unspecified Tank	1922	288592
P	491m N	Unspecified Tank	1881 - 1898	299478

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**16**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
2	0m SW	Electricity Substation	1972 - 1994	186774
5	23m N	Electricity Substation	1972 - 1994	175911
7	34m W	Electricity Substation	1972 - 1994	183633
8	85m N	Electricity Substation	1972 - 1995	176513
12	115m S	Electricity Substation	1972 - 1994	186899
15	154m W	Electricity Substation	1972 - 1994	187209
16	199m N	Electricity Substation	1972	170654
17	220m NE	Electricity Substation	1972	170763
18	241m E	Electricity Substation	1972 - 1994	180018
21	321m E	Electricity Substation	1972 - 1994	181514
22	335m NE	Electricity Substation	1972 - 1995	180516
K	356m NE	Electricity Substation	1972 - 1992	177259
K	359m NE	Electricity Substation	1995	186970
N	447m NE	Electricity Substation	1972 - 1992	177662
N	448m NE	Electricity Substation	1995	174571

ID	Location	Land use	Dates present	Group ID
24	457m NE	Electricity Substation	1972	170655

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	2

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
I	243m SE	Garage	1986 - 1987	59311
I	246m SE	Garage	1972	57294

This data is sourced from Ordnance Survey / Groundsure.

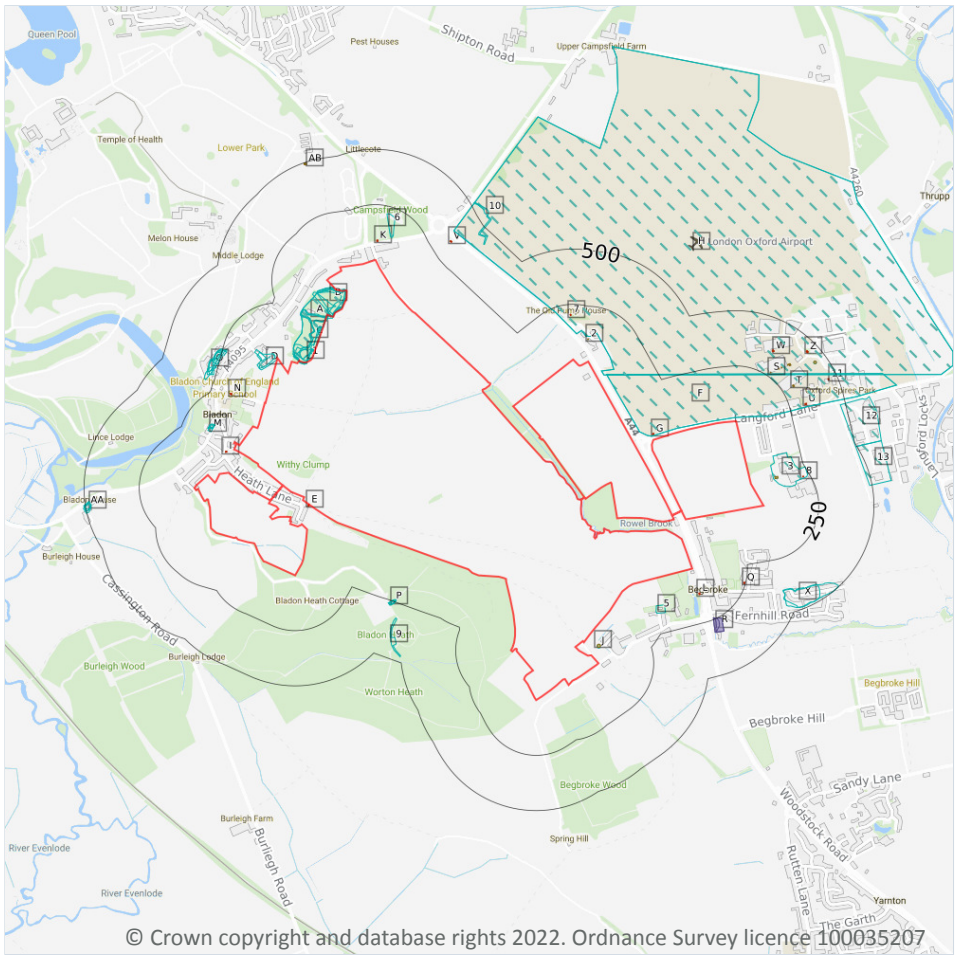
1.6 Historical military land

Records within 500m	0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

2.1 Historical industrial land uses

Records within 500m	46

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Unspecified Disused Pits**	**1978**	**1766875**
A	**On site**	**Unspecified Pits**	**1923**	**1788751**
A	**On site**	**Unspecified Pits**	**1898**	**1788751**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Pits**	**1950**	**1818385**
B	**On site**	**Unspecified Disused Pits**	**1978**	**1766890**
C	**On site**	**Unspecified Quarry**	**1880**	**1762767**
C	**On site**	**Unspecified Pits**	**1923**	**1816411**
D	**On site**	**Unspecified Pit**	**1950**	**1778292**
B	0m NW	Unspecified Quarry	1880	1762768
B	1m N	Unspecified Pits	1923	1807626
D	12m W	Unspecified Quarry	1978	1762769
F	13m N	Airport	1979	1843285
F	13m N	Airport	1992	1786838
H	32m NE	Aerodrome	1950	1760524
H	32m NE	Airport	1978	1843285
J	45m NE	Unspecified Tank	1992	1769079
D	49m W	Unspecified Pit	1950	1778293
3	100m NE	Unspecified Depot	1979	1763995
M	116m NW	Smithy	1923	1808603
M	116m NW	Smithy	1950	1848309
M	119m NW	Smithy	1923	1848309
M	119m NW	Smithy	1898	1848309
5	122m S	Grave Yard	1876	1762902
6	124m NE	Unspecified Pit	1880	1778281
O	230m W	Unspecified Quarry	1880	1826858
O	234m W	Unspecified Kiln	1880	1769409
P	238m S	Old Gravel Pit	1968	1820255
O	239m W	Unspecified Old Quarry	1950	1850148
P	244m S	Old Gravel Pit	1923	1807250
P	244m S	Old Gravel Pit	1923	1818484
P	244m S	Old Gravel Pit	1898	1818484

ID	Location	Land Use	Date	Group ID
O	247m W	Unspecified Old Quarry	1923	1842268
O	247m W	Unspecified Old Quarry	1898	1842268
O	248m W	Unspecified Old Quarry	1923	1850120
O	259m W	Unspecified Quarry	1950	1819366
9	317m S	Unspecified Ground Workings	1880	1755491
X	392m S	Gravel Pit	1947	1839511
X	394m S	Gravel Pit	1968	1850750
Y	439m NE	Unspecified Tank	1978	1769082
10	440m NE	Unspecified Ground Workings	1876	1755498
AA	473m W	Unspecified Old Quarry	1950	1797063
AA	475m W	Unspecified Old Quarry	1923	1808515
AA	475m W	Unspecified Old Quarry	1898	1808515
12	476m E	Unspecified Depot	1992	1783581
AA	476m W	Unspecified Old Quarry	1923	1797063
13	483m E	Unspecified Depot	1992	1786526

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m **16**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
J	48m NE	Unspecified Tank	1994	284930
2	100m N	Unspecified Tank	1972	284932
4	106m NE	Unspecified Tank	1972	284927
S	269m NE	Unspecified Tank	1972	284928
T	302m NE	Tanks	1994	291193

ID	Location	Land Use	Date	Group ID
T	304m NE	Tanks	1972	291193
S	305m NE	Tanks	1972	287686
S	317m NE	Tanks	1972	287685
S	345m NE	Unspecified Tank	1972	284924
S	348m NE	Unspecified Tank	1995	289539
S	349m NE	Unspecified Tank	1992	289539
S	349m NE	Unspecified Tank	1992	289539
Y	440m NE	Unspecified Tank	1972	284923
AB	488m N	Unspecified Tank	1922	288592
AB	491m N	Unspecified Tank	1881	299478
AB	491m N	Unspecified Tank	1898	299478

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**31**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
E	0m SW	Electricity Substation	1994	186774
E	2m SW	Electricity Substation	1972	186774
G	23m N	Electricity Substation	1994	175911
G	23m N	Electricity Substation	1972	175911
I	34m W	Electricity Substation	1972	183633
I	35m W	Electricity Substation	1994	183633
K	85m N	Electricity Substation	1990	176513
K	85m N	Electricity Substation	1972	176513
K	85m N	Electricity Substation	1995	176513

ID	Location	Land Use	Date	Group ID
L	115m S	Electricity Substation	1972	186899
L	115m S	Electricity Substation	1994	186899
N	154m W	Electricity Substation	1972	187209
N	154m W	Electricity Substation	1994	187209
7	199m N	Electricity Substation	1972	170654
8	220m NE	Electricity Substation	1972	170763
Q	241m E	Electricity Substation	1994	180018
Q	242m E	Electricity Substation	1972	180018
U	321m E	Electricity Substation	1994	181514
U	323m E	Electricity Substation	1972	181514
V	335m NE	Electricity Substation	1990	180516
V	336m NE	Electricity Substation	1972	180516
V	337m NE	Electricity Substation	1995	180516
W	356m NE	Electricity Substation	1992	177259
W	356m NE	Electricity Substation	1992	177259
W	357m NE	Electricity Substation	1972	177259
W	359m NE	Electricity Substation	1995	186970
Z	447m NE	Electricity Substation	1972	177662
Z	447m NE	Electricity Substation	1992	177662
Z	447m NE	Electricity Substation	1992	177662
Z	448m NE	Electricity Substation	1995	174571
11	457m NE	Electricity Substation	1972	170655

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	**3**

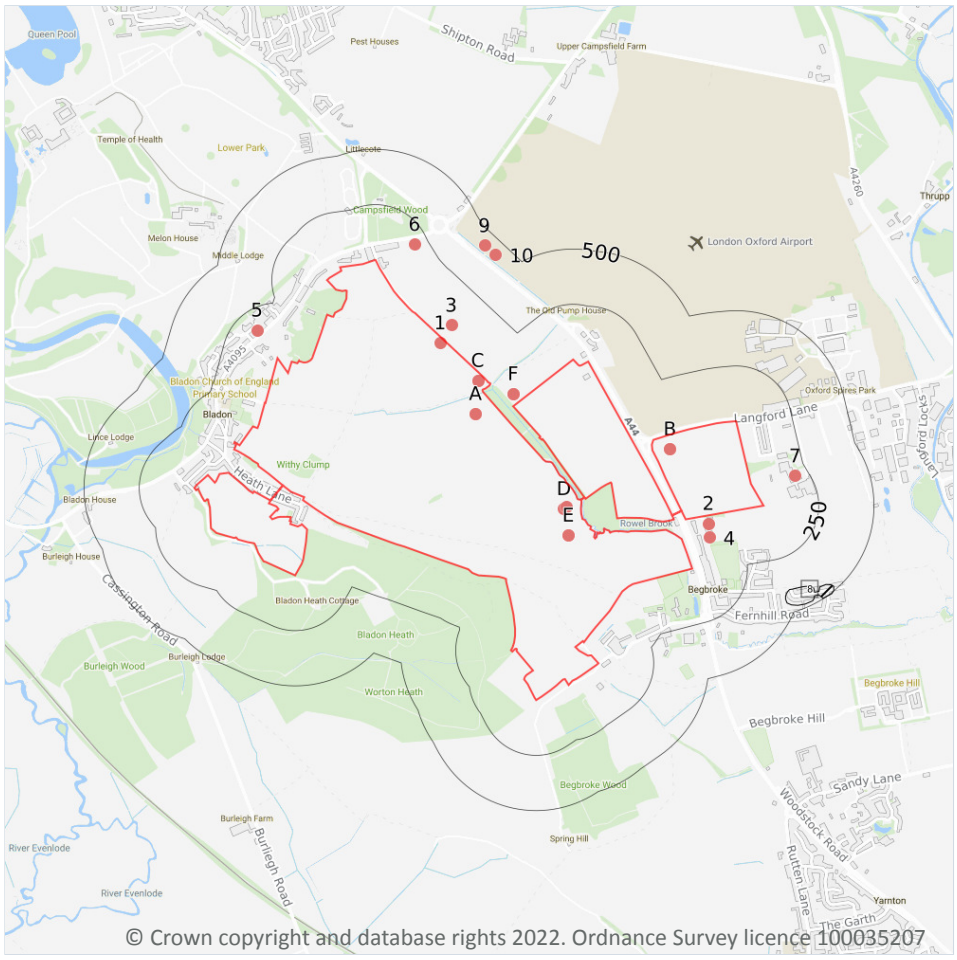
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
R	243m SE	Garage	1986	59311
R	243m SE	Garage	1987	59311
R	246m SE	Garage	1972	57294

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m	0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m	1

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 24**

ID	Location	Details		
8	397m S	Site Address: Willow Way, Begbroke Licence Holder Address: -	Waste Licence: - Site Reference: 13.6.4714, TP0582 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m	0

Waste site records derived from Local Authority planning records and high detail historical mapping.

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m	0

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m **21**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

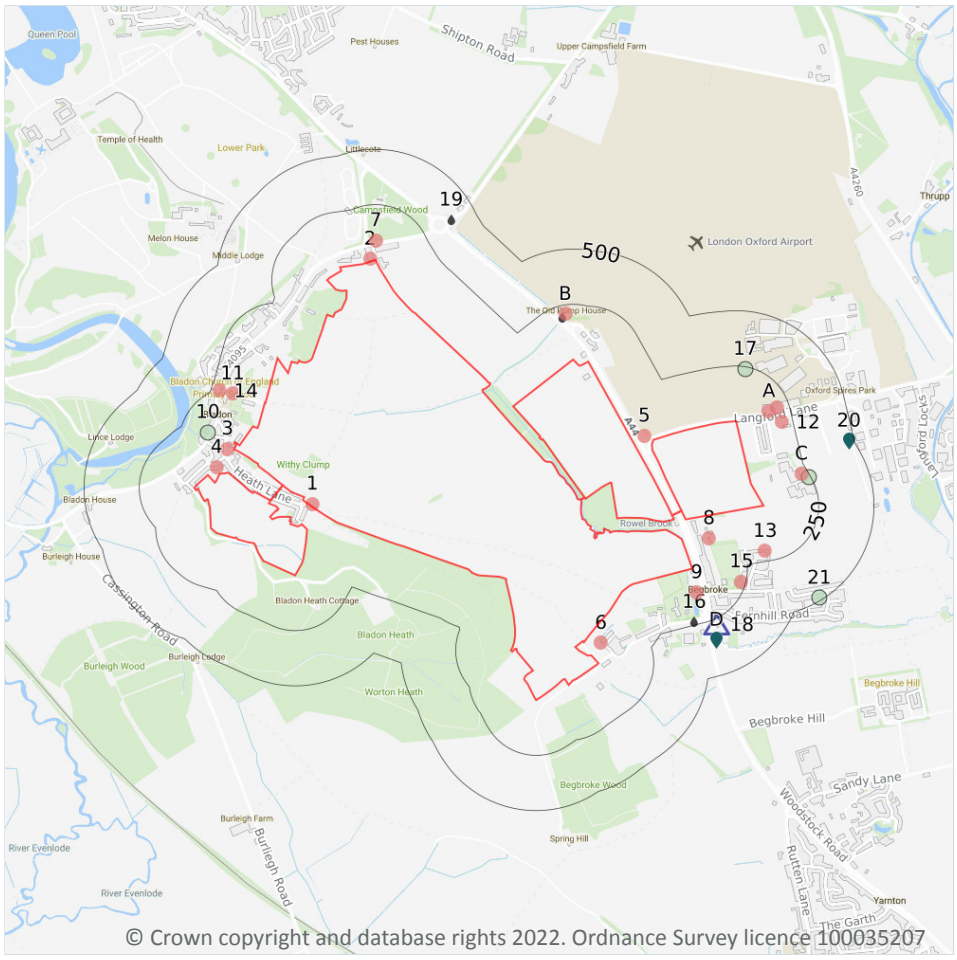
Features are displayed on the Waste and landfill map on **page 24**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	**On site**	**-**	**WEX259198**	**Storing waste exemption**	**On a farm**	**Storage of sludge**
A	**On site**	**-**	**WEX108189**	**Storing waste exemption**	**On a farm**	**Storage of sludge**
A	**On site**	**Home Farm Oxon OX20 1QD**	**EPR/KE5349EL/A001**	**Storing waste exemption**	**Non-Agricultural Waste Only**	**Storage of sludge**
B	**On site**	**-**	**WEX102406**	**Storing waste exemption**	**On a farm**	**Storage of sludge**
B	**On site**	**Perdiswell Farm Woodstock Oxon OX20 1QJ**	**EPR/FE5448UN/A001**	**Storing waste exemption**	**Non-Agricultural Waste Only**	**Storage of sludge**
C	**On site**	**-**	**WEX259911**	**Storing waste exemption**	**On a farm**	**Storage of sludge**
C	**On site**	**-**	**WEX287794**	**Storing waste exemption**	**On a farm**	**Storage of sludge**
D	**On site**	**-**	**WEX292611**	**Storing waste exemption**	**On a farm**	**Storage of sludge**
D	**On site**	**-**	**WEX292612**	**Storing waste exemption**	**On a farm**	**Storage of sludge**
E	**On site**	**-**	**WEX154517**	**Storing waste exemption**	**On a Farm**	**Storage of sludge**
E	**On site**	**Home Farm Oxon OX20 1QD**	**EPR/GE5749EG/A001**	**Storing waste exemption**	**Non-Agricultural Waste Only**	**Storage of sludge**
2	39m S	42 WOODSTOCK ROAD EAST OXFORD OXFORDSHIRE OX5 1RG	EPR/PF0905CL/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
F	43m NW	-	WEX287793	Storing waste exemption	On a farm	Storage of sludge
F	43m NW	-	WEX108185	Storing waste exemption	On a farm	Storage of sludge

ID	Location	Site	Reference	Category	Sub-Category	Description
3	69m NE	-	WEX108183	Storing waste exemption	On a farm	Storage of sludge
4	102m S	42, WOODSTOCK ROAD EAST, BEGBROKE, KIDLINGTON, OX5 1RG	WEX238272	Using waste exemption	Not on a farm	Use of waste in construction
5	156m NW	45, GROVE ROAD, BLADON, WOODSTOCK, OX20 1RH	WEX224831	Using waste exemption	On a farm	Use of waste in construction
6	188m NE	HOME FARM, BLADON ROAD, WOODSTOCK, OX20 1QD	WEX224835	Using waste exemption	On a farm	Use of waste in construction
7	189m NE	-	WEX269081	Using waste exemption	Not on a farm	Use of waste in construction
9	435m NE	-	WEX225025	Storing waste exemption	On a farm	Storage of sludge
10	440m NE	-	WEX139966	Storing waste exemption	On a farm	Storage of sludge

This data is sourced from the Environment Agency and Natural Resources Wales.

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	18

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 28**

ID	Location	Company	Address	Activity	Category
1	**On site**	**Electricity Sub Station**	**Oxfordshire, OX20**	**Electrical Features**	**Infrastructure and Facilities**
2	12m N	Colour Mill Ltd	Orchard House, Bladon Road, Woodstock, Oxfordshire, OX20 1QD	Printing Related Machinery	Industrial Products
3	31m W	Electricity Sub Station	Oxfordshire, OX20	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
4	34m NW	Townhouse Executive Travel Ltd	5, Manor Road, Bladon, Woodstock, Oxfordshire, OX20 1RU	Vehicle Hire and Rental	Hire Services
5	45m NW	Gas Governor	Oxfordshire, OX20	Gas Features	Infrastructure and Facilities
6	64m SE	Tank	Oxfordshire, OX5	Tanks (Generic)	Industrial Features
7	88m N	Electricity Sub Station	Oxfordshire, OX20	Electrical Features	Infrastructure and Facilities
8	102m S	Vans for Bands Ltd	42, Woodstock Road East, Begbroke, Kidlington, Oxfordshire, OX5 1RG	Vehicle Hire and Rental	Hire Services
9	109m S	Electricity Sub Station	Oxfordshire, OX5	Electrical Features	Infrastructure and Facilities
11	151m W	Electricity Sub Station	Oxfordshire, OX20	Electrical Features	Infrastructure and Facilities
A	155m E	Gas Governors	Oxfordshire, OX5	Gas Features	Infrastructure and Facilities
A	197m E	J M I Jet Maintenance International	Hangar 14 Bay 4, Langford Lane, Oxford Airport, Kidlington, Oxfordshire, OX5 1QX	Aviation Engineers	Engineering Services
12	201m E	Kidlington Ambulance Station	Oxfordshire, OX5	Ambulance and Medical Transportation Services	Health Support Services
13	204m S	Priceys Recovery	29, Begbroke Crescent, Begbroke, Kidlington, Oxfordshire, OX5 1RW	Vehicle Breakdown and Recovery Services	Personal, Consumer and Other Services
B	209m N	Pump House	Oxfordshire, OX20	Water Pumping Stations	Industrial Features
14	211m W	Pump	Oxfordshire, OX20	Water Pumping Stations	Industrial Features
C	221m NE	Electricity Sub Station	Oxfordshire, OX5	Electrical Features	Infrastructure and Facilities
15	230m E	Electricity Sub Station	Oxfordshire, OX5	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 28**

ID	Location	Company	Address	LPG	Status
18	271m SE	OBSOLETE	Woodstock Road East, Begbroke, Kidlington, Oxfordshire, OX5 1RQ	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m	2

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 28**

ID	Location	Address	Details	
D	340m S	Halfway Service Station, Woodstock Road East, Begbroke, Kidlington, Oxfordshire, OX5 1RL	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
20	476m E	Hartwells Oxford, Oxford Motor Park, Langford Lane, Kidlington, Oxfordshire, OX5 1RY	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	**0**

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m	**4**

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 28**

ID	Location	Address	Details	
B	199m N	DEVELOPMENT OF 13 DWELLINGS, CAMPSF, DEVELOPMENT OF 13 DWELLINGS CAM, PSFIELD FARM BEGBROKE OXFORDSH, IRE`	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CATM.2301 Permit Version: 1 Receiving Water: ROWEL BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 06/06/1996 Effective Date: 06/06/1996 Revocation Date: -
16	235m S	OFFICES & FACTORY, BEGBROKE, OXFORD, OFFICES & FACTORY BEGBROKE OXF, ORD OXON	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.1988 Permit Version: 1 Receiving Water: CULVERTED TRIB OF ROWEL BROOK	Status: TRANSFERRED FROM COPA 1974 Issue date: 03/11/1987 Effective Date: 03/11/1987 Revocation Date: -

ID	Location	Address	Details	
D	339m S	HALFWAY SERVICE STATION, WOODSTOCK, HALFWAY SERVICE STATION WOODSTO, CK ROAD BEGBROKE OXON	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.1441 Permit Version: 1 Receiving Water: ROWEL BROOK	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 10/02/1987 Effective Date: 10/02/1987 Revocation Date: 01/10/1996
19	387m NE	WOODSTOCK BOARDING KENNELS, UPPER C, WOODSTOCK BOARDING KENNELS UPPE, R CAMPSFIELD RD KIDLINGTON OXO, N	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - NOT WATER COMPANY Permit Number: CTCU.0689 Permit Version: 1 Receiving Water: SHALE/GRAVELSTRATA	Status: REVOKED - UNSPECIFIED Issue date: 03/12/1975 Effective Date: 03/12/1975 Revocation Date: 26/09/1985

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m	4

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 28**

ID	Location	Details	
10	129m NW	Incident Date: 01/08/2002 Incident Identification: 96356 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
17	239m N	Incident Date: 19/08/2003 Incident Identification: 183486 Pollutant: Oils and Fuel Pollutant Description: Kerosene and Aviation Fuel	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
C	244m NE	Incident Date: 21/07/2001 Incident Identification: 18051 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
21	487m SE	Incident Date: 31/07/2002 Incident Identification: 96200 Pollutant: Oils and Fuel Pollutant Description: Lubricating Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m	0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

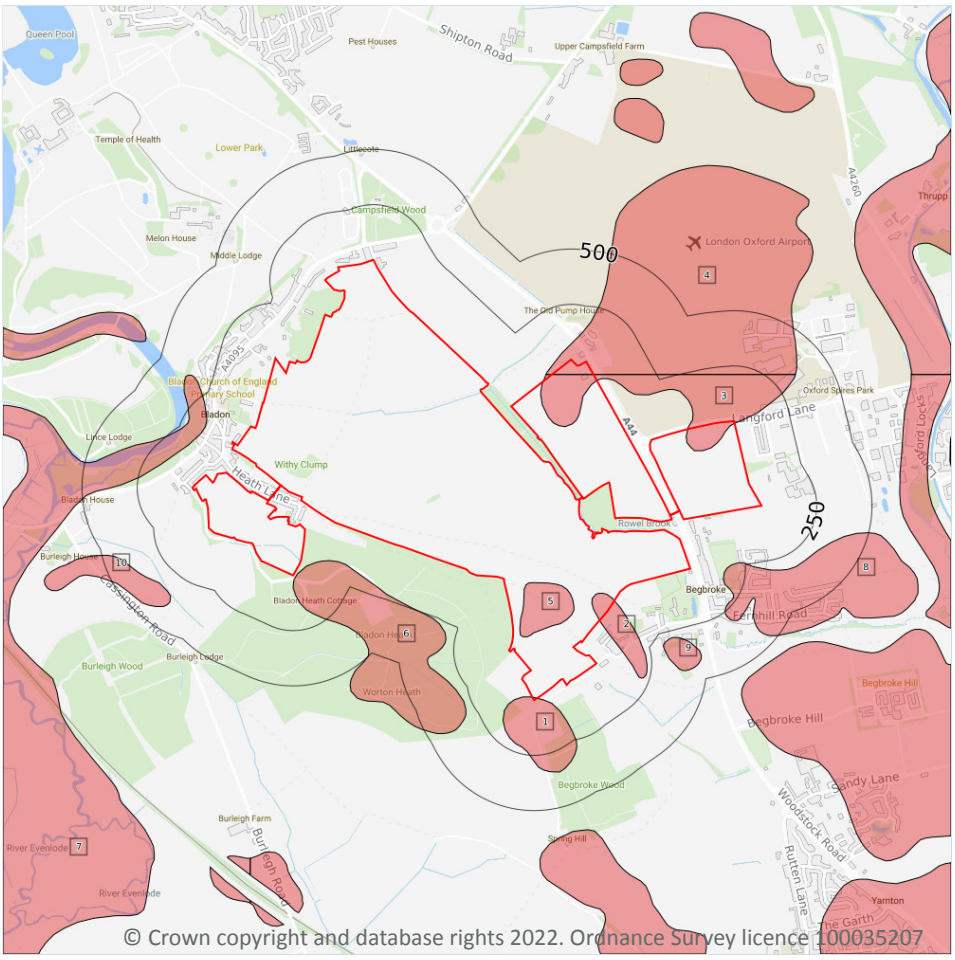
4.21 Pollution inventory radioactive waste

Records within 500m	0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m	10

Aquifer status of groundwater held within superficial geology.

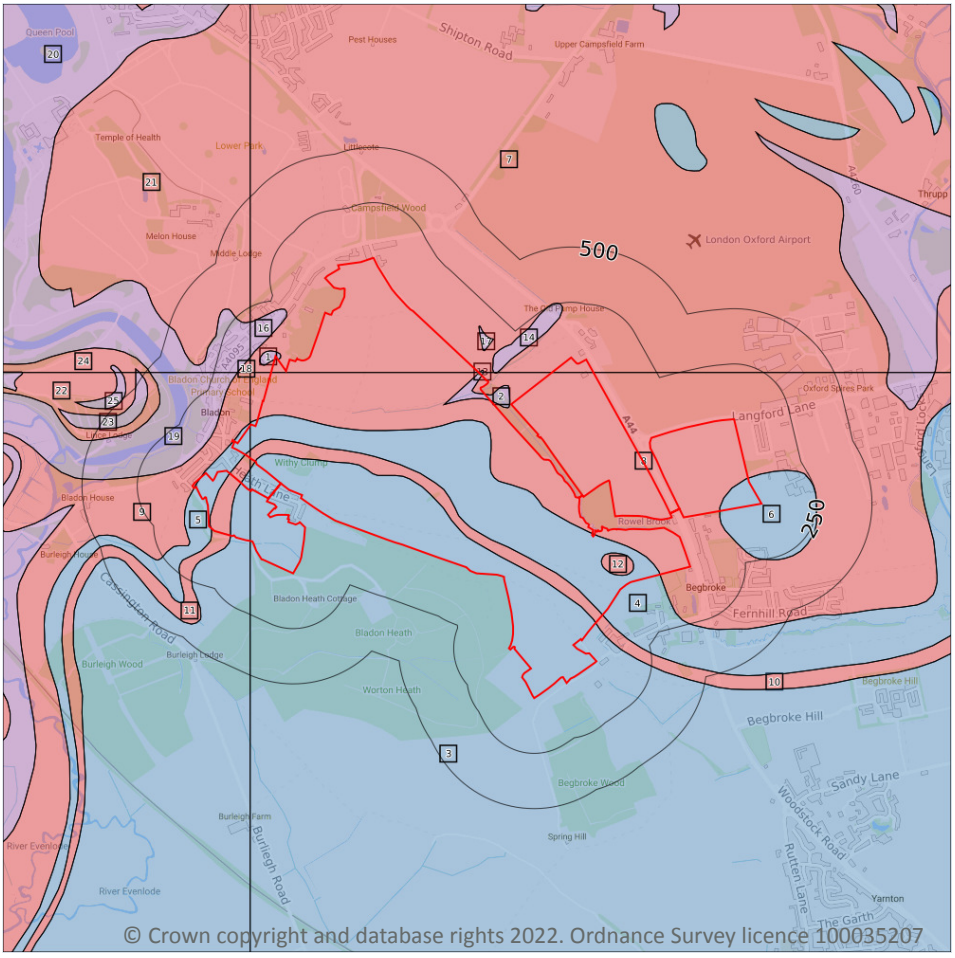
Features are displayed on the Hydrogeology map on **page 36**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
4	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
5	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
6	13m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
7	142m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
8	155m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
9	282m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
10	334m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	25

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 38**

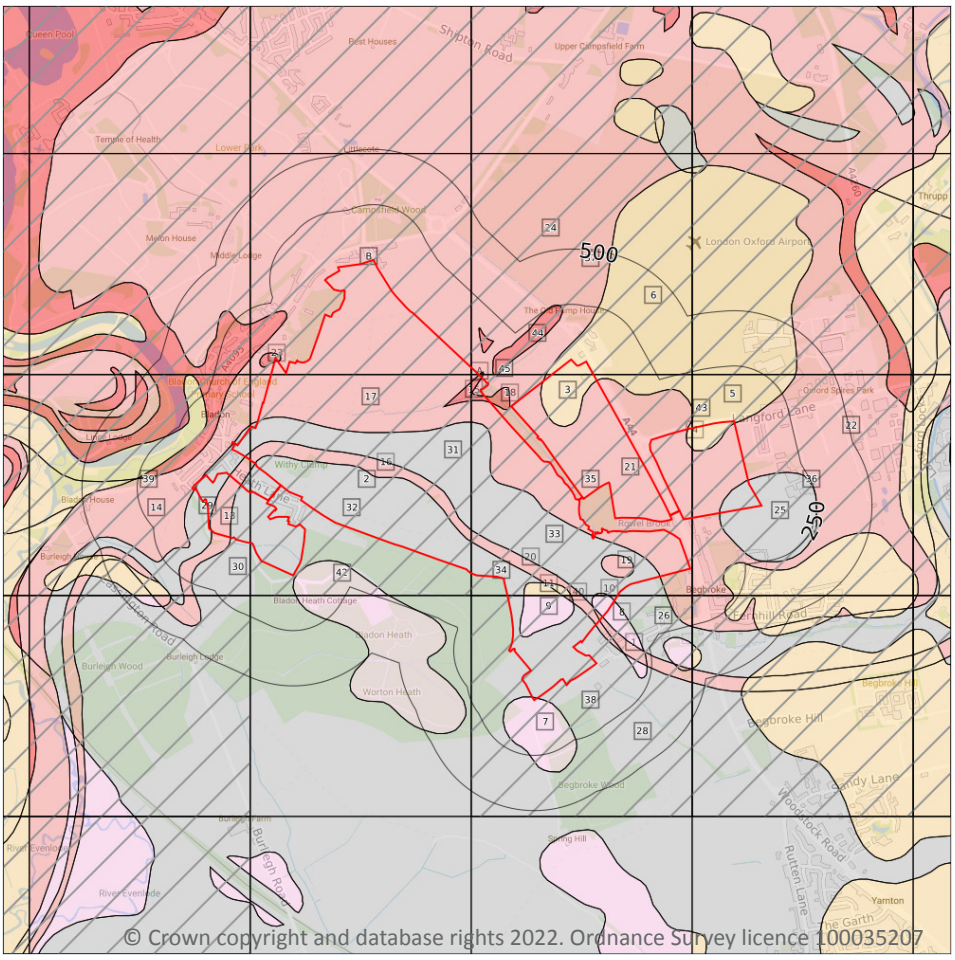
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

ID	Location	Designation	Description
3	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
4	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
5	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
6	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
7	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
8	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
9	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
10	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
11	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
12	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
13	2m NE	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
14	48m NE	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
15	48m NE	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
16	81m NW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

ID	Location	Designation	Description
17	88m NE	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
18	92m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
19	94m NW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
20	109m W	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
21	193m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
22	351m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
23	395m NW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
24	484m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
25	496m NW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	42

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 41**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
6	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
7	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
8	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
9	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
10	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
11	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
12	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
13	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
14	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
15	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
16	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
17	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
18	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
19	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
20	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
21	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
22	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
23	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
24	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
25	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
26	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
27	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
28	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
29	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
30	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
31	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
32	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
33	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
34	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
40	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
41	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
A	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
B	**On site**	**Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: <300mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures**
A	2m NE	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
42	13m SE	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
43	33m N	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
44	48m NE	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
45	48m NE	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	7

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
2	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**22.0%**
35	**Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.**	**7.000000000000001%**
36	**Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.**	**28.000000000000004%**
37	**Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.**	**36.0%**
38	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**1.0%**
39	**Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.**	**12.0%**
B	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**63.0%**

This data is sourced from the British Geological Survey and the Environment Agency.

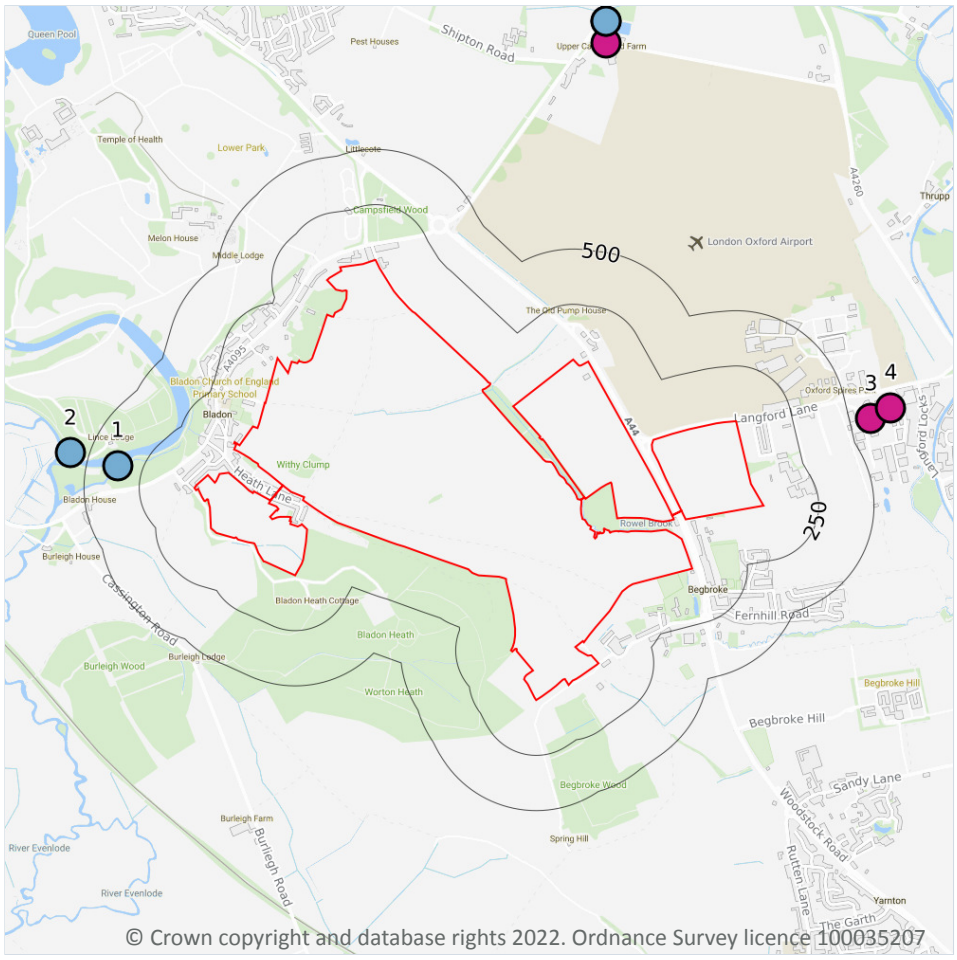
5.5 Groundwater vulnerability- local information

Records on site	0

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m	3

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 50**

ID	Location	Details	
3	596m E	Status: Historical Licence No: 28/39/13/0001 Details: General use relating to Secondary Category (Low Loss) Direct Source: THAMES GROUNDWATER Point: LANGFORD LANE, KIDLINGTON, - WELL 'A' Data Type: Point Name: UNIGATE DAIRIES LTD Easting: 447800 Northing: 214800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 11/10/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1993 Version End Date: -
4	695m E	Status: Historical Licence No: 28/39/13/0001 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: THAMES GROUNDWATER Point: LANGFORD LANE, KIDLINGTON, - WELL 'A' Data Type: Point Name: INCHCAPE ESTATES LTD Easting: 447890 Northing: 214850	Annual Volume (m^3): 66371 Max Daily Volume (m^3): 181.84 Original Application No: - Original Start Date: 11/10/1965 Expiry Date: - Issue No: 102 Version Start Date: 22/03/2004 Version End Date: -
6	1431m NE	Status: Active Licence No: 28/39/14/0285 Details: Make-Up Or Top Up Water Direct Source: THAMES GROUNDWATER Point: UPPER CAMPSFIELD, WOODSTOCK, OXON Data Type: Point Name: PRICE Easting: 446600 Northing: 216500	Annual Volume (m^3): 6,819 Max Daily Volume (m^3): 163.66 Original Application No: WRA./2973/1 Original Start Date: 06/12/1977 Expiry Date: - Issue No: 100 Version Start Date: 30/09/1991 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m	**10**

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 50**

ID	Location	Details	
1	362m W	Status: Active Licence No: TH/039/0012/002 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: THAMES SURFACE WATER - NON TIDAL Point: SOUTHERN GLYME OUTFALL Data Type: Point Name: Vanbrugh Unit Trust Easting: 444391 Northing: 214589	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/WR/009490 Original Start Date: 25/04/2013 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/10/2014 Version End Date: -
2	583m W	Status: Active Licence No: TH/039/0012/002 Details: Hydroelectric Power Generation Direct Source: THAMES SURFACE WATER - NON TIDAL Point: BLADON DAM Data Type: Point Name: Vanbrugh Unit Trust Easting: 444177 Northing: 214645	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/WR/009490 Original Start Date: 25/04/2013 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/10/2014 Version End Date: -
-	1251m NW	Status: Historical Licence No: 28/39/12/0035 Details: General Farming & Domestic Direct Source: THAMES SURFACE WATER - NON TIDAL Point: BLENHEIM PARK, WOODSTOCK, OXON Data Type: Point Name: TRUSTEES OF THE BLENHEIM EST Easting: 443710 Northing: 215200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 13/06/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/12/2000 Version End Date: -
-	1251m NW	Status: Historical Licence No: 28/39/12/0035 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: BLENHEIM PARK, WOODSTOCK, OXON Data Type: Point Name: TRUSTEES OF THE BLENHEIM EST Easting: 443710 Northing: 215200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 13/06/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/12/2000 Version End Date: -
-	1251m NW	Status: Active Licence No: 28/39/12/0035 Details: General Farming & Domestic Direct Source: THAMES SURFACE WATER - NON TIDAL Point: BLENHEIM PARK, WOODSTOCK, OXON - BLENHEIM LAKE Data Type: Point Name: TRUSTEES OF THE BLENHEIM ESTATE Easting: 443710 Northing: 215200	Annual Volume (m^3): 57,684 Max Daily Volume (m^3): 237 Original Application No: - Original Start Date: 13/06/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/12/2000 Version End Date: -

ID	Location	Details	
-	1251m NW	Status: Active Licence No: 28/39/12/0035 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: BLENHEIM PARK, WOODSTOCK, OXON - BLENHEIM LAKE Data Type: Point Name: TRUSTEES OF THE BLENHEIM ESTATE Easting: 443710 Northing: 215200	Annual Volume (m^3): 57,684 Max Daily Volume (m^3): 237 Original Application No: - Original Start Date: 13/06/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/12/2000 Version End Date: -
-	1294m NW	Status: Active Licence No: TH/039/0012/013 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: THAMES SURFACE WATER - NON TIDAL Point: SIPHONS AT POINT C Data Type: Point Name: Blenheim Palace Heritage Foundation Easting: 443707 Northing: 215270	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/WR/032949 Original Start Date: 30/04/2020 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 30/04/2020 Version End Date: -
B	1501m NE	Status: Historical Licence No: 28/39/14/0294 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: UPPER CAMPSFIELD FARM, WOODSTOCK, OXON Data Type: Point Name: PRICE Easting: 446600 Northing: 216600	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 22/07/1962 Expiry Date: - Issue No: 100 Version Start Date: 30/09/1991 Version End Date: -
B	1501m NE	Status: Active Licence No: 28/39/14/0294 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: UPPER CAMPSFIELD FARM, WOODSTOCK, OXON - TRIB.RIVER.CHERWELL Data Type: Point Name: PRICE Easting: 446600 Northing: 216600	Annual Volume (m^3): 6,819 Max Daily Volume (m^3): 164 Original Application No: WRA./2973/3 Original Start Date: 30/09/1991 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2012 Version End Date: -

ID	Location	Details	
-	1919m NW	Status: Active Licence No: TH/039/0012/013 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: THAMES SURFACE WATER - NON TIDAL Point: OPEN CHANNEL AT POINT A Data Type: Point Name: Blenheim Palace Heritage Foundation Easting: 444170 Northing: 216960	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/WR/032949 Original Start Date: 30/04/2020 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 30/04/2020 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m	**0**

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m	**0**

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

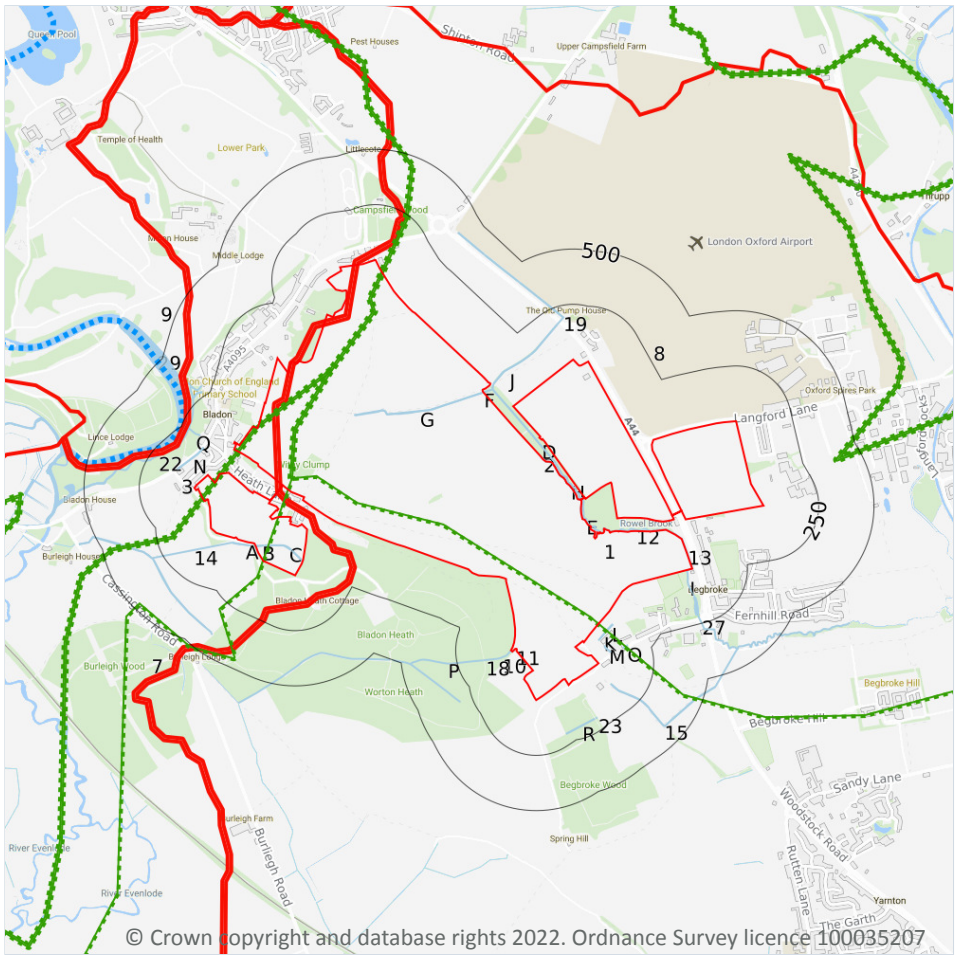
5.10 Source Protection Zones (confined aquifer)

Records within 500m	**0**

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.

6 Hydrology



Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	**36**

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 55**

ID	Location	Type of water feature	Ground level	Permanence	Name
2	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Rowel Brook
E	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Rowel Brook
10	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
11	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
12	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**Rowel Brook**
I	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**Rowel Brook**
13	1m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Rowel Brook
E	4m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Rowel Brook
J	13m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Rowel Brook
14	22m S	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
K	47m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	48m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	70m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	103m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
15	107m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
18	126m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
O	132m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
P	132m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
19	135m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Rowel Brook
Q	157m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
22	182m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	190m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
23	194m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
27	209m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Rowel Brook
Q	216m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
29	229m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Glyme

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**19**

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 55**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	2

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 55**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Thames (Evenlode to Thame)**	**GB106039030334**	**Ock**	**Gloucestershire and the Vale**
3	**On site**	**River**	**Evenlode (Glyme to Thames)**	**GB106039029880**	**Evenlode**	**Cotswolds**

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	2

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 55**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	615m W	River	Evenlode (Glyme to Thames)	GB106039029880	Poor	Fail	Poor	2019
-	1327m SW	River	Thames (Evenlode to Thame)	GB106039030334	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	3

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 55**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
7	**On site**	**Kemble Forest Marble**	**GB40602G600500**	**Poor**	**Poor**	**Good**	**2019**
8	**On site**	**Bicester-Otmoor Cornbrash**	**GB40602G600800**	**Poor**	**Poor**	**Good**	**2019**
9	**On site**	**Burford Jurassic**	**GB40601G600400**	**Poor**	**Poor**	**Good**	**2019**

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding

Site Outline

Search buffers in metres (m)

River and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m	15

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on **page 61**

Distance	Flood risk category
On site	**High**
0 - 50m	High

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m	**1**

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on **page 61**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
D	125m W	Bladon Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m	**0**

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m	**0**

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m	0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.

River and coastal flooding - Flood Zones

Site Outline

Search buffers in metres (m)

Flood zone 2

Flood zone 3

7.6 Flood Zone 2

Records within 50m	1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on **page 61**

Location	Type
On site	**Zone 2 - (Fluvial /Tidal Models)**

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m	1

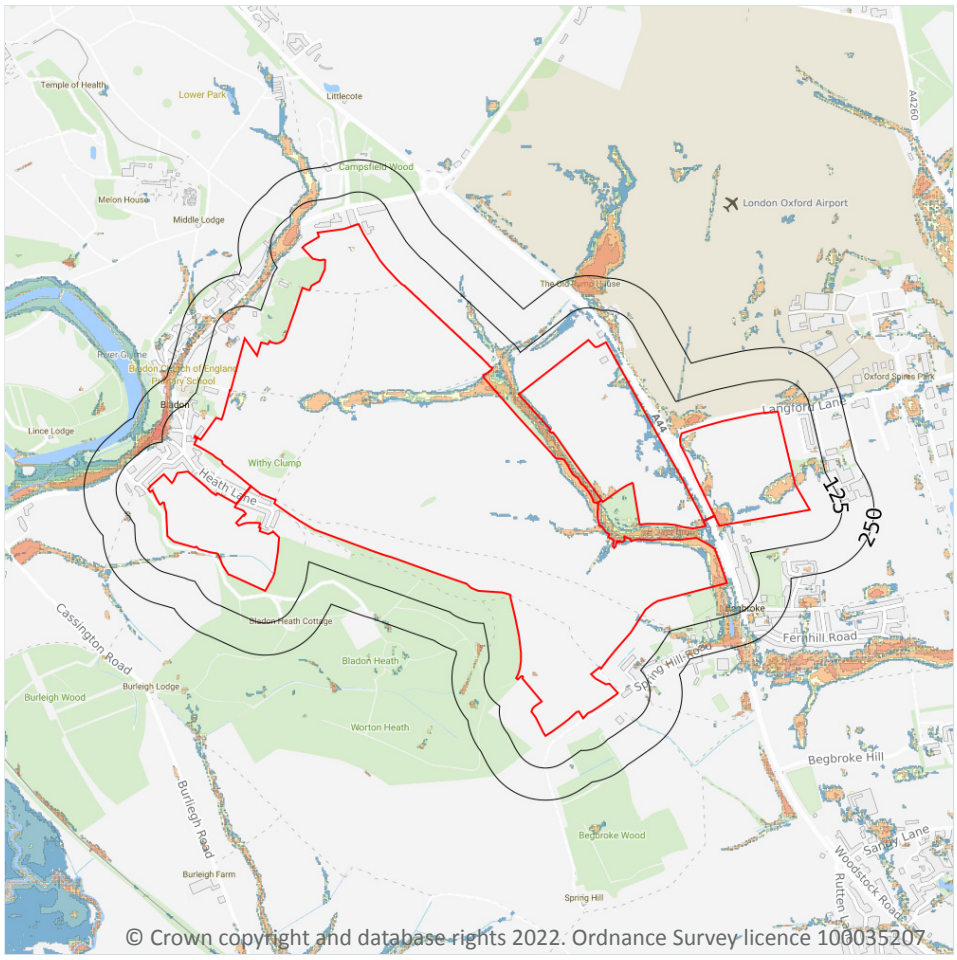
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 61**

Location	Type
On site	**Zone 3 - (Fluvial Models)**

This data is sourced from the Environment Agency and Natural Resources Wales.

8 Surface water flooding



Site Outline

Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 30 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 66**

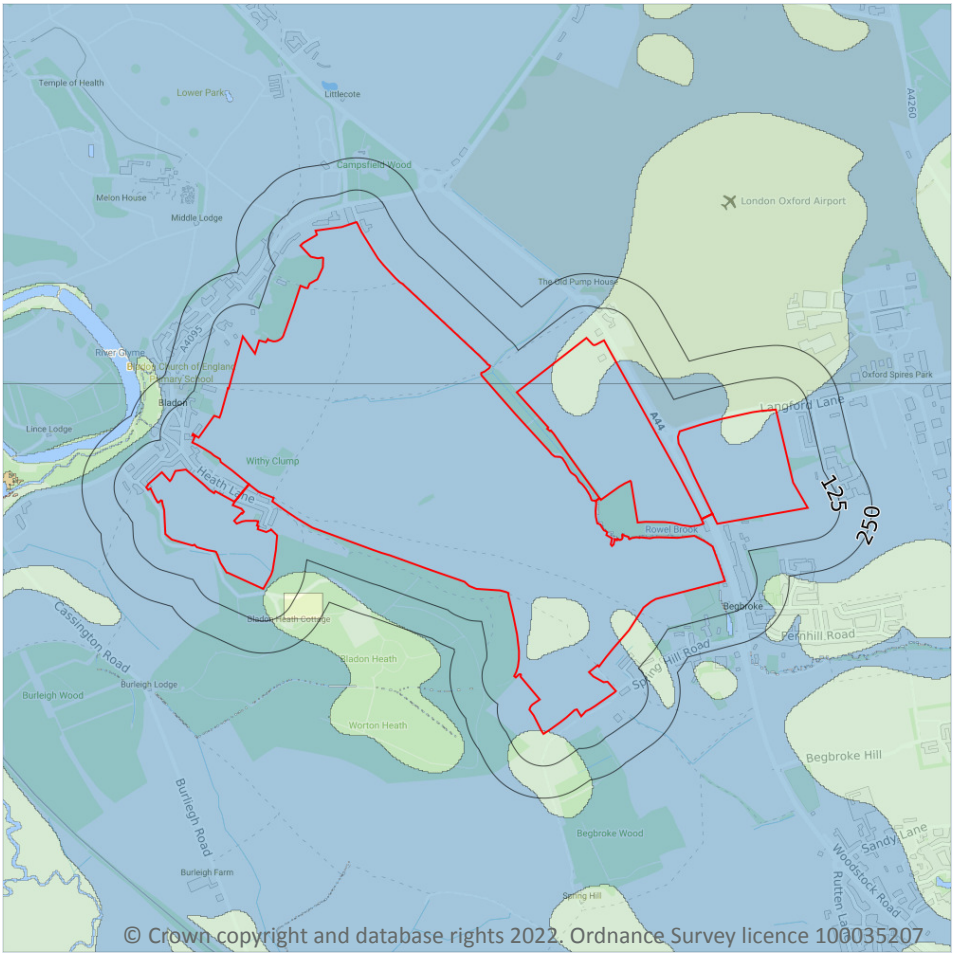
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

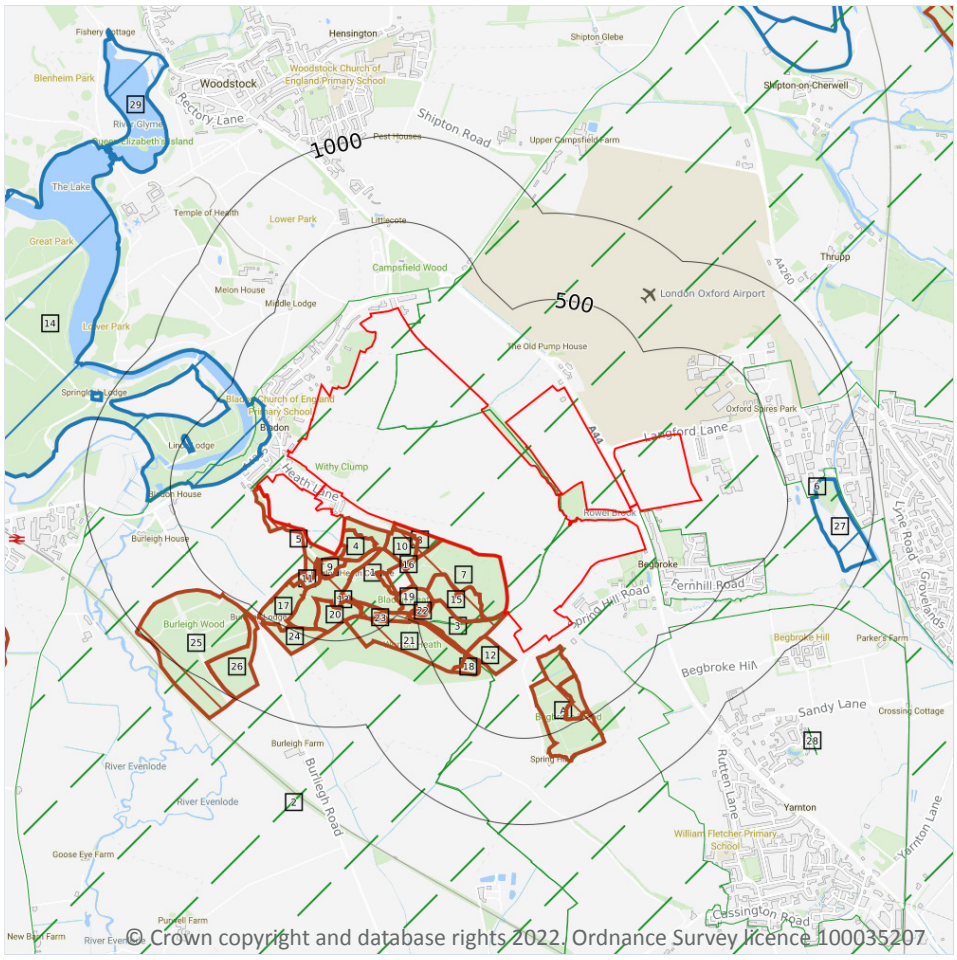
Highest risk on site	**Low**
Highest risk within 50m	**Low**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 68**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

Sites of Special Scientific Interest (SSSI)

Special Areas of Conservation (SAC)

Designated Ancient Woodland

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	3

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 69**

ID	Location	Name	Data source
14	118m NW	Blenheim Park	Natural England

ID	Location	Name	Data source
27	641m E	Rushy Meadows	Natural England
29	1503m NW	Blenheim Park	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m	0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m	0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m	0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m	27

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 69**

ID	Location	Name	Woodland Type
1	**On site**	**Bladon Heath**	**Ancient & Semi-Natural Woodland**
3	**On site**	**Worton Heath?**	**Ancient & Semi-Natural Woodland**
4	**On site**	**Bladon Heath**	**Ancient Replanted Woodland**
5	**On site**	**Bladon Heath**	**Ancient & Semi-Natural Woodland**
7	**On site**	**Bladon Heath**	**Ancient & Semi-Natural Woodland**
8	**On site**	**Bladon Heath**	**Ancient & Semi-Natural Woodland**
9	18m S	Bladon Heath	Ancient Replanted Woodland
10	31m S	Bladon Heath	Ancient Replanted Woodland
A	66m SE	Begbroke Wood	Ancient & Semi-Natural Woodland
11	69m SW	Bladon Heath	Ancient Replanted Woodland
12	70m SW	Unknown	Ancient & Semi-Natural Woodland
13	72m SE	Bladon Heath	Ancient & Semi-Natural Woodland
15	127m W	Bladon Heath	Ancient Replanted Woodland
16	163m S	Bladon Heath	Ancient Replanted Woodland

ID	Location	Name	Woodland Type
17	224m SW	Bladon Heath	Ancient & Semi-Natural Woodland
18	249m SW	Worton Heath	Ancient & Semi-Natural Woodland
A	251m SE	Begbroke Wood	Ancient Replanted Woodland
19	260m SE	Bladon Heath	Ancient Replanted Woodland
20	271m S	Bladon Heath	Ancient Replanted Woodland
21	298m W	Worton Heath	Ancient Replanted Woodland
22	350m S	Worton Heath	Ancient & Semi-Natural Woodland
23	417m SE	Bladon Heath	Ancient Replanted Woodland
24	442m S	Bladon Heath	Ancient Replanted Woodland
25	517m SW	Burleigh Wood	Ancient Replanted Woodland
26	542m SW	Burleigh Wood	Ancient & Semi-Natural Woodland
30	1663m SW	Pinsley Wood	Ancient & Semi-Natural Woodland
-	1759m SW	Pinsley Wood	Ancient Replanted Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m	0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m	0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m	3

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on **page 69**

ID	Location	Name	Local Authority name
2	**On site**	**Oxford**	**West Oxfordshire**
6	**On site**	**Oxford**	**Cherwell**
28	1406m SE	Oxford	Cherwell

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m	0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m	19

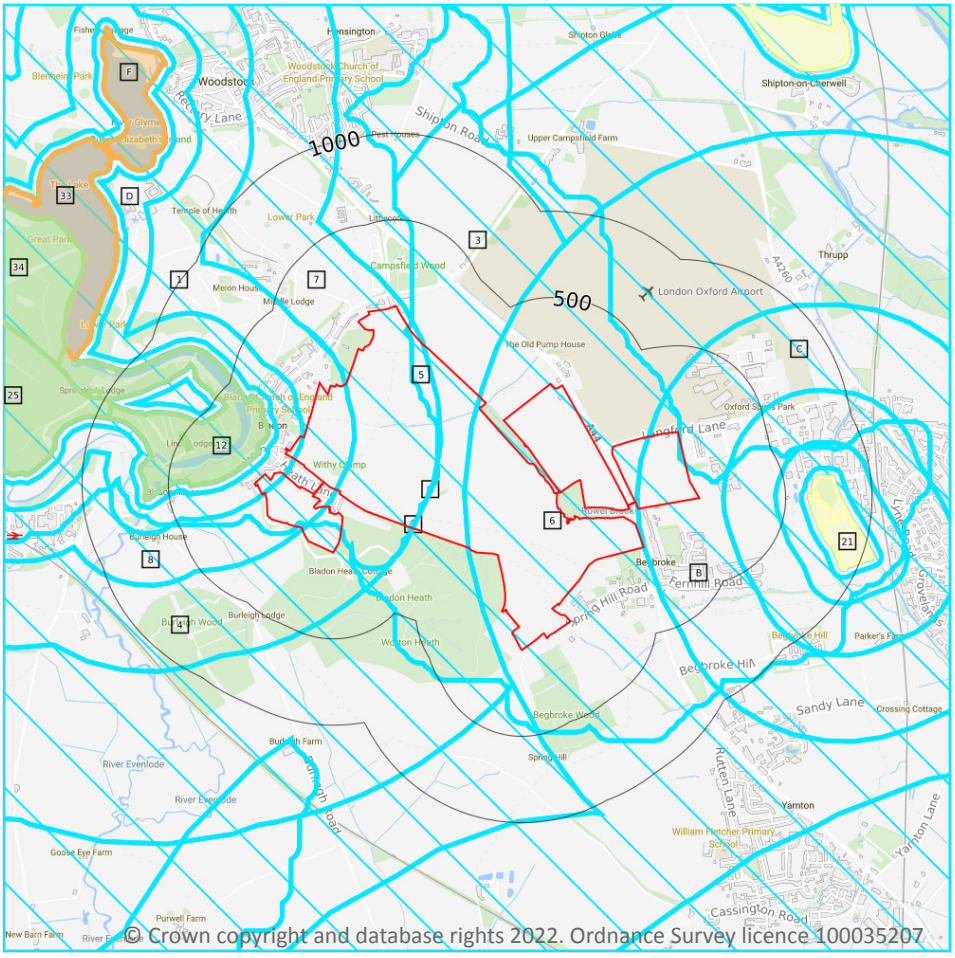
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	**Glyme (Dorn confluence to Evenlode) NVZ**	**Surface Water**	**474**	**Existing**
On site	**Cherwell (Ray to Thames) and Woodeaton Brook NVZ**	**Surface Water**	**472**	**Existing**
On site	**THAMES (LEACH TO EVENLODE) NVZ**	**Surface Water**	**482**	**Existing**
18m SW	Evenlode (Glyme to Thames) NVZ	Surface Water	473	Existing
82m W	Cotswold Jurassic	Groundwater	83	Existing
463m NE	Cherwell (Ray to Thames) and Woodeaton Brook NVZ	Surface Water	472	Existing
466m N	Glyme (Dorn confluence to Evenlode) NVZ	Surface Water	474	Existing
608m W	Evenlode (Bledington to Glyme confluence) NVZ	Surface Water	475	Existing

Location	Name	Type	NVZ ID	Status
628m W	Evenlode (Glyme to Thames) NVZ	Surface Water	473	Existing
640m W	Evenlode (Glyme to Thames) NVZ	Surface Water	473	Existing
647m SW	Evenlode (Glyme to Thames) NVZ	Surface Water	473	Existing
653m W	Glyme (Dorn confluence to Evenlode) NVZ	Surface Water	474	Existing
653m W	Cotswold Jurassic	Groundwater	83	Existing
657m W	Evenlode (Bledington to Glyme confluence) NVZ	Surface Water	475	Existing
697m W	Evenlode (Bledington to Glyme confluence) NVZ	Surface Water	475	Existing
705m W	Glyme (Dorn confluence to Evenlode) NVZ	Surface Water	474	Existing
1365m NW	Glyme (Dorn confluence to Evenlode) NVZ	Surface Water	474	Existing
1482m NW	Cotswold Jurassic	Groundwater	83	Existing
1506m N	Cotswold Jurassic	Groundwater	83	Existing

This data is sourced from Natural England and Natural Resources Wales.

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site	13

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 76**

ID	Location	Type of developments requiring consultation
1	On site	**Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas. Air pollution - Any development that could cause air pollution (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores). Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management. Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .**
2	On site	**Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Wind and Solar - Wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .**

ID	Location	Type of developments requiring consultation
3	On site	**Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.**
4	On site	**Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Wind and Solar - Wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .**

ID	Location	Type of developments requiring consultation
5	On site	**Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Wind and Solar - Wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .**
6	On site	**Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha. Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.**

ID	Location	Type of developments requiring consultation
7	On site	**Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Wind and Solar - Wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 2m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .**
8	On site	**Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas. Air pollution - Any development that could cause air pollution (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores). Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management. Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .**

ID	Location	Type of developments requiring consultation
A	On site	**Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t). Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.**
A	On site	**Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha. Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.**

ID	Location	Type of developments requiring consultation
B	On site	Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 2m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .
C	On site	Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .

ID	Location	Type of developments requiring consultation
D	**On site**	**All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures. Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha. Residential - Residential development of 10 units or more. Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units. Air pollution - Any development that could cause air pollution or dust either in its construction or operation (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores). Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management. Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**8**

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 76**

ID:	12
Location:	118m NW
SSSI name:	Blenheim Park
Unit name:	3
Broad habitat:	Broadleaved, Mixed And Yew Woodland - Lowland
Condition:	Favourable
Reportable features:	

Feature name	Feature condition	Date of assessment
Invert. assemblage A211 heartwood decay	Favourable	17/06/2020
Invert. assemblage A212 bark and sapwood decay	Favourable	17/06/2020
Invert. assemblage A213 fungal fruiting body	Favourable	17/06/2020

ID: C
Location: 641m E
SSSI name: Rushy Meadows
Unit name: 3
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mire grassland and rush pasture	Unfavourable - Recovering	10/07/2013

ID: C
Location: 664m E
SSSI name: Rushy Meadows
Unit name: 2
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mire grassland and rush pasture	Unfavourable - Recovering	10/07/2013

ID: 21
Location: 717m E
SSSI name: Rushy Meadows
Unit name: 1
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mire grassland and rush pasture	Unfavourable - Recovering	10/07/2013

ID: 25
Location: 926m NW
SSSI name: Blenheim Park
Unit name: 2
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage A211 heartwood decay	Favourable	17/06/2020
Invert. assemblage A212 bark and sapwood decay	Favourable	17/06/2020
Invert. assemblage A213 fungal fruiting body	Favourable	17/06/2020

ID: 33
Location: 1268m NW
SSSI name: Blenheim Park
Unit name: 4
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Great crested grebe, Podiceps cristatus	Favourable	10/11/2011
Aggregations of non-breeding birds - Gadwall, Anas strepera	Favourable	10/11/2011
Mesotrophic lakes	Unfavourable - Declining	10/11/2011

ID: 34
Location: 1331m NW
SSSI name: Blenheim Park
Unit name: 1
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

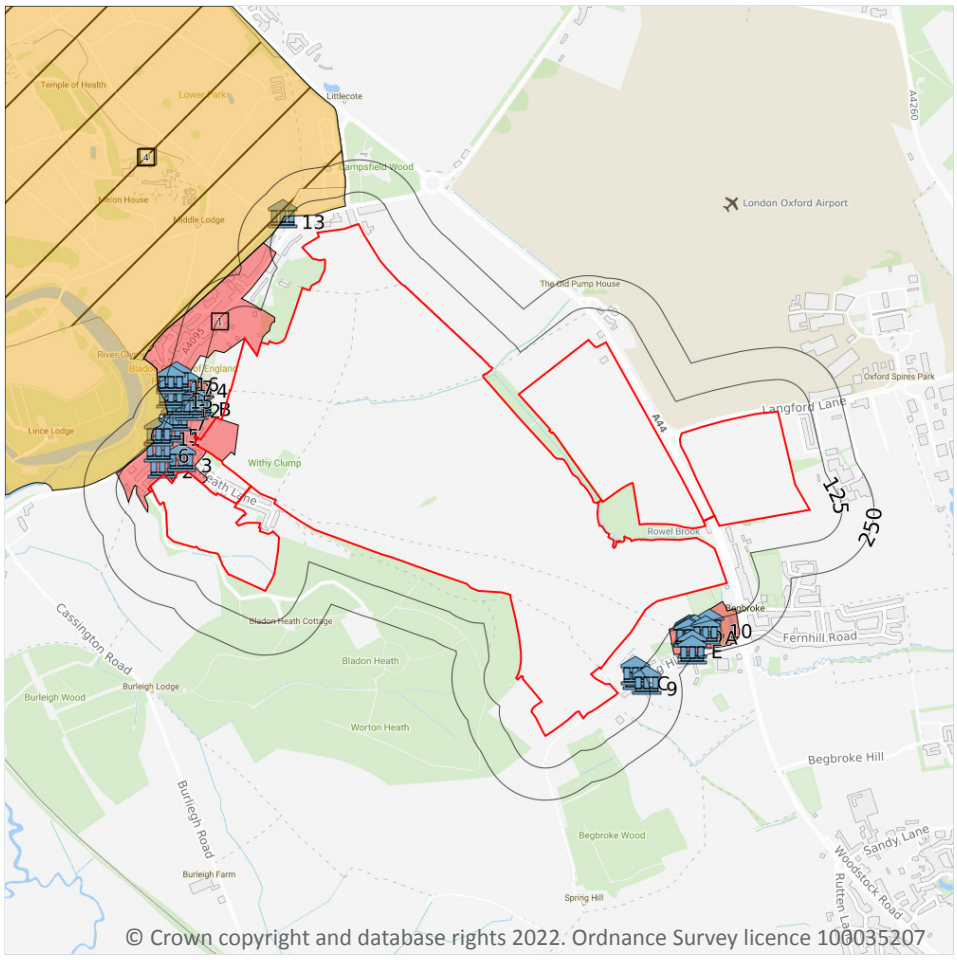
Feature name	Feature condition	Date of assessment
Invert. assemblage A211 heartwood decay	Favourable	17/06/2020
Invert. assemblage A212 bark and sapwood decay	Favourable	17/06/2020
Invert. assemblage A213 fungal fruiting body	Favourable	17/06/2020

ID: F
Location: 1503m NW
SSSI name: Blenheim Park
Unit name: 4
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Great crested grebe, Podiceps cristatus	Favourable	10/11/2011
Aggregations of non-breeding birds - Gadwall, Anas strepera	Favourable	10/11/2011
Mesotrophic lakes	Unfavourable - Declining	10/11/2011

This data is sourced from Natural England and Natural Resources Wales.

11 Visual and cultural designations



Site Outline

Search buffers in metres (m)

- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m	1

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

Features are displayed on the Visual and cultural designations map on **page 87**

ID	Location	Name	Data Source
8	123m NW	Blenheim Palace	Historic England

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m	0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m	31

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on **page 87**

ID	Location	Name	Grade	Reference Number	Listed date
2	41m N	Manor Farmhouse, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1053030	29/06/1988
3	59m N	2 and 4, Heath Lane, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1053029	29/06/1988
B	91m NW	Chest Tomb Approximately 6 Metres East North East of Chancel of Church of St Martin, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1053026	29/06/1988

ID	Location	Name	Grade	Reference Number	Listed date
B	100m NW	Headstone Approximately 7 Metres South East of South Porch and 8 Metres South of Nave of Church of St Martin, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1367946	29/06/1988
B	101m NW	Church of St Martin, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1053025	29/06/1988
C	104m NE	Hall Farmhouse, Begbroke, Cherwell, Oxfordshire, OX5	II	1291300	26/02/1988
B	106m NW	Chest Tomb Approximately 5 Metres South of South Porch of Church of St Martin, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1053027	29/06/1988
5	106m W	Knutsford House, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1053033	29/06/1988
6	106m N	Cobblers Cottage, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1198513	29/06/1988
7	107m NW	21 and 23, Park Street, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1198506	29/06/1988
C	110m SE	Barn Approximately 10 Metres North North West of Hall Farmhouse, Begbroke, Cherwell, Oxfordshire, OX5	II	1291301	26/02/1988
B	111m NW	Chest Tomb Approximately 12 Metres South West of South Porch of Church of St Martin, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1367947	29/06/1988
B	113m NW	Chest Tomb Approximately One Metre West of South Porch and 4 Metres South of Nave of Church of St Martin, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1053028	29/06/1988
9	123m NE	Cartshed Approximately 25 Metres South East of Hall Farmhouse, Begbroke, Cherwell, Oxfordshire, OX5	II	1219796	26/02/1988
10	133m S	St Philip's Priory, Begbroke, Cherwell, Oxfordshire, OX5	II	1219760	07/12/1966
D	137m S	Church of St Michael, Begbroke, Cherwell, Oxfordshire, OX5	II*	1291232	07/12/1966
D	138m S	Chest Tomb Approximately 2 Metres East of Chancel of Church of St Michael, Begbroke, Cherwell, Oxfordshire, OX5	II	1291303	26/02/1988
D	140m S	Chest Tomb Approximately 8 Metres East of Chancel of Church of St Michael, Begbroke, Cherwell, Oxfordshire, OX5	II	1219797	26/02/1988
D	141m S	Grave Slab Approximatel 5 Metres South of South Door of Church of St Michael, Begbroke, Cherwell, Oxfordshire, OX5	II	1291246	26/02/1988
11	143m W	Moyallon, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1053035	29/06/1988
12	143m NW	Kings View, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1053032	29/06/1988

ID	Location	Name	Grade	Reference Number	Listed date
D	147m S	Haeadstone Approximately 8 Metres South South West of South Door of Church of St Michael, Begbroke, Cherwell, Oxfordshire, OX5	II	1219921	26/02/1988
D	148m S	Base and Shaft of Churchyard Cross Approximately 9 Metres South of South Door of Church of St Michael, Begbroke, Cherwell, Oxfordshire, OX5	II	1219798	26/02/1988
13	150m NW	Eagle Lodge, Blenheim Palace, West Oxfordshire, Oxfordshire, OX20	II	1281709	27/07/1988
A	157m S	Church of St Philip, Begbroke, Cherwell, Oxfordshire, OX5	II	1291288	22/05/1973
14	176m W	Bladon Church of England Primary School and School House, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1198498	29/06/1988
15	191m NW	14 and 16, Park Street, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1283800	29/06/1988
E	194m S	The Old Rectory, Begbroke, Cherwell, Oxfordshire, OX5	II	1211241	08/10/1992
16	215m W	Village Pump, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1053031	29/06/1988
E	216m S	The Old Rectory Coach House and Stable, Begbroke, Cherwell, Oxfordshire, OX5	II	1211242	08/10/1992
17	230m NW	2-8, Park Street, Bladon, West Oxfordshire, Oxfordshire, OX20	II	1053034	29/06/1988

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m	**2**

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

Features are displayed on the Visual and cultural designations map on **page 87**

ID	Location	Name	District	Date of designation
1	**On site**	**Bladon**	**West Oxfordshire**	**08/08/1990**
A	66m S	Begbroke	Cherwell	07/1991

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m	0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

Records within 250m	1

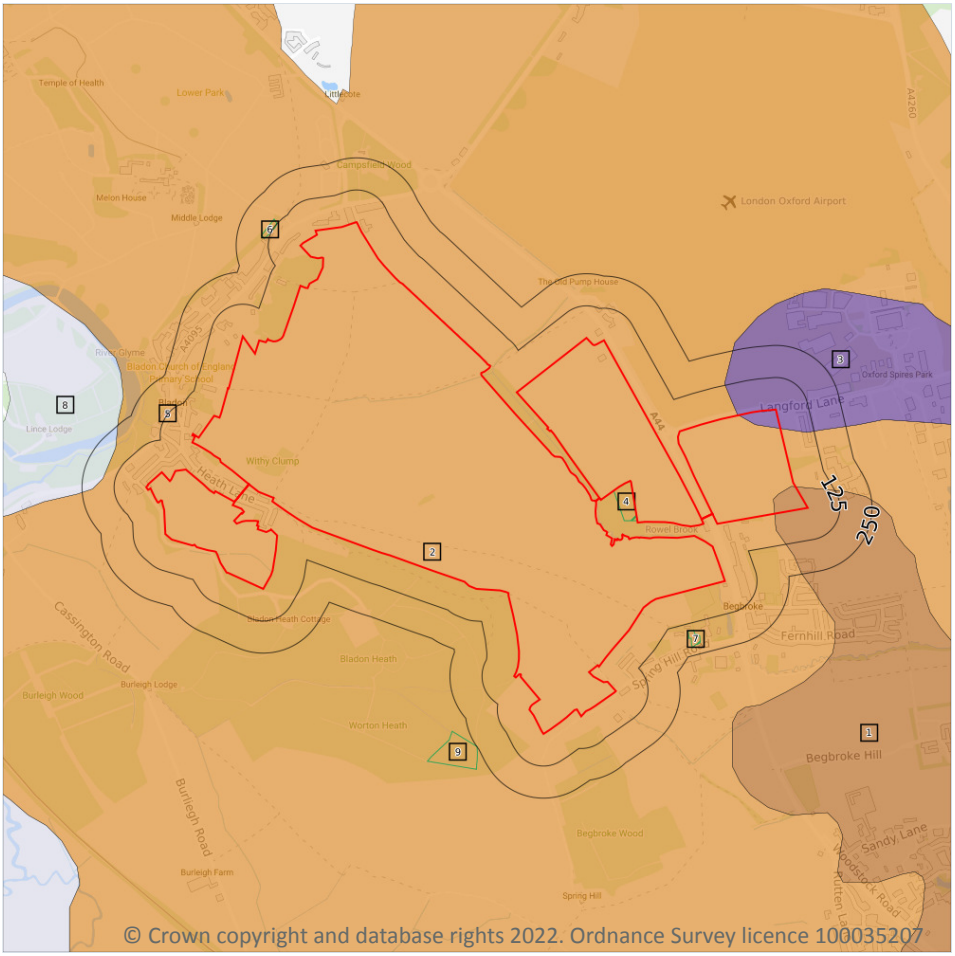
Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

Features are displayed on the Visual and cultural designations map on **page 87**

ID	Location	Name	Grade
4	69m N	Blenheim Palace	I

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m	4

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 92**

ID	Location	Classification	Description
1	**On site**	**Grade 2**	**Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.**
2	**On site**	**Grade 3**	**Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.**
3	**On site**	**Urban**	**-**
8	169m NW	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	**1**

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

Features are displayed on the Agricultural designations map on **page 92**

ID	Location	Name	Classification	Other relevant legislation
5	119m NW	The Brook	Section 4 Conclusive Registered Common Land	-

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m	**4**

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

Features are displayed on the Agricultural designations map on **page 92**

ID	Location	Description	Reference	Application date
4	**On site**	**Selective Fell/Thin (Conditional)**	**019/84/18-19**	**01/01/1970**
6	121m NW	Clear Fell (Conditional)	019/221/03-04	01/03/2004
7	154m S	Clear Fell (Conditional)	019/35/04-05	26/07/2004
9	249m SW	Selective Fell/Thin (Conditional)	019/84/18-19	01/01/1970

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m **6**

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

Location	Reference	Scheme	Start Date	End date
On site	**AG00358666**	**Entry Level plus Higher Level Stewardship**	**01/03/2012**	**28/02/2022**
On site	**AG00358666**	**Entry Level plus Higher Level Stewardship**	**01/03/2012**	**28/02/2022**
On site	**AG00713123**	**Entry Level Stewardship**	**01/11/2013**	**31/10/2018**
54m SE	AG00713123	Entry Level Stewardship	01/11/2013	31/10/2018
83m N	AG00358666	Entry Level plus Higher Level Stewardship	01/03/2012	28/02/2022
92m NW	AG00358666	Entry Level plus Higher Level Stewardship	01/03/2012	28/02/2022

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m **3**

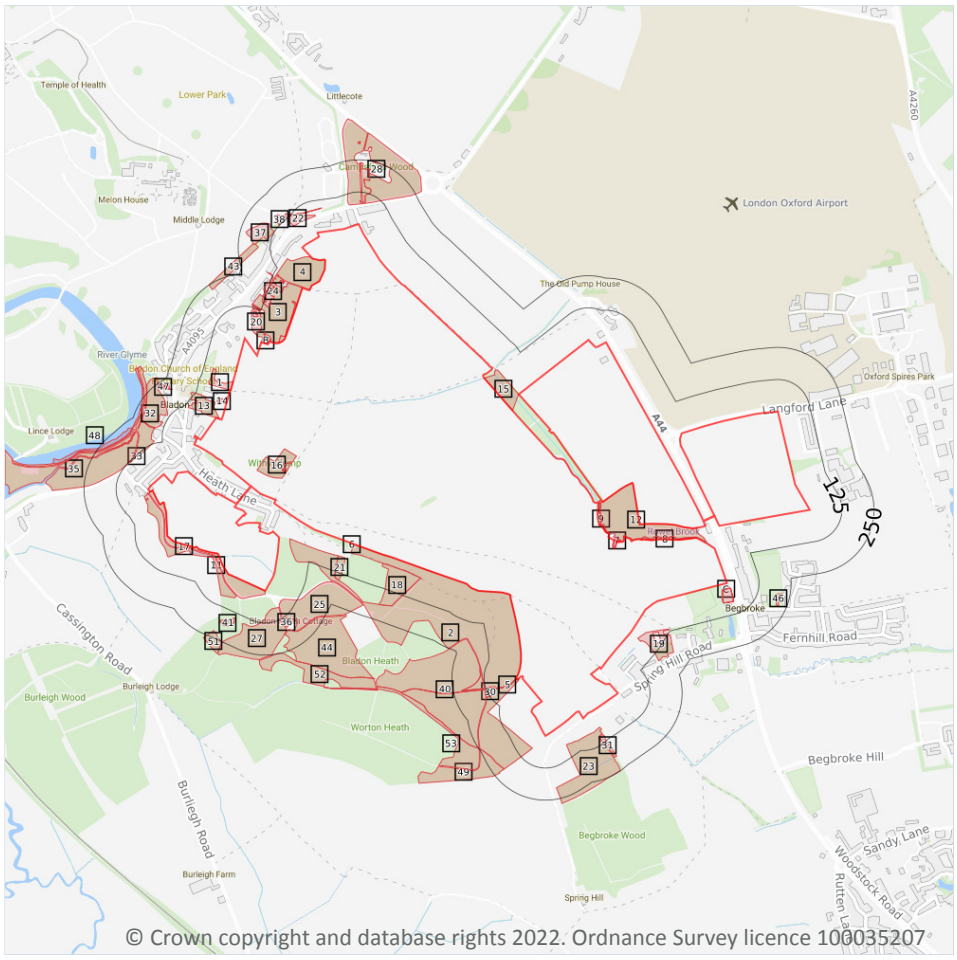
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	**1029566**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**325436**	**Countryside Stewardship (Middle Tier)**	**01/01/2017**	**31/12/2021**

Location	Reference	Scheme	Start Date	End Date
18m W	325436	Countryside Stewardship (Middle Tier)	01/01/2017	31/12/2021

This data is sourced from Natural England.

13 Habitat designations



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks

Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m	68

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 96**

ID	Location	Main Habitat	Other habitats
1	On site	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
2	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
6	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
7	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
8	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
9	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
10	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
11	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
12	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
13	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
14	**On site**	**Traditional orchard**	**Overruled by Traditional Orchards HAP Inventory dataset**
15	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
16	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
A	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
A	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
B	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
17	10m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	21m S	Traditional orchard	Main habitat: TORCH (INV > 50%)
C	22m S	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
C	22m S	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
C	22m SE	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
C	24m S	Traditional orchard	Main habitat: TORCH (INV > 50%)
C	24m SE	Traditional orchard	Main habitat: TORCH (INV > 50%)
C	25m SE	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
B	31m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	31m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	35m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
20	40m NW	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)
21	62m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
22	63m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
23	66m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	69m S	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
C	70m S	Traditional orchard	Main habitat: TORCH (INV > 50%)
24	70m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
25	72m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
26	73m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
27	75m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
28	78m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
29	86m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
30	90m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
31	97m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
32	118m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
33	118m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
D	118m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
34	119m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
D	122m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
35	122m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
36	123m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
37	126m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
38	126m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
39	129m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
40	130m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
41	145m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
42	163m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
43	171m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
44	176m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
45	180m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
46	194m E	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
47	202m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
48	203m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
49	206m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
50	208m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
51	224m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
52	248m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
53	249m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	**0**

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	**0**

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

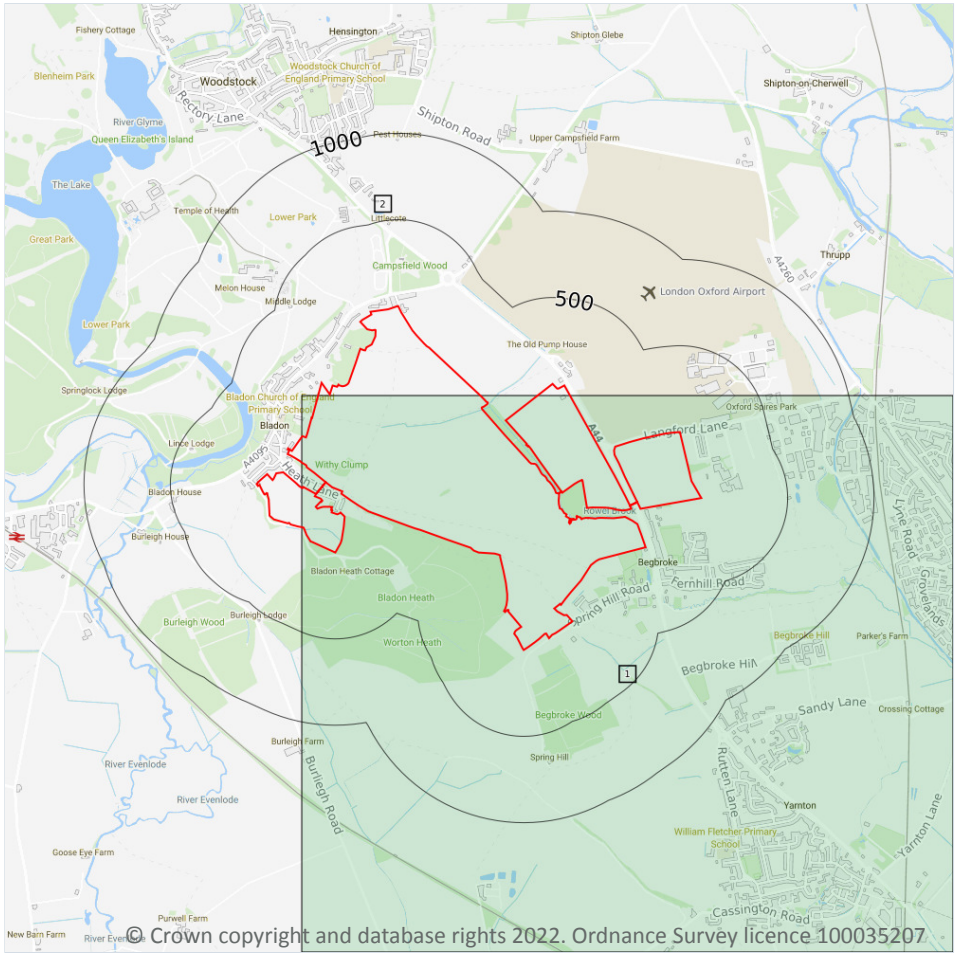
Records within 250m	**0**

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK

Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	2

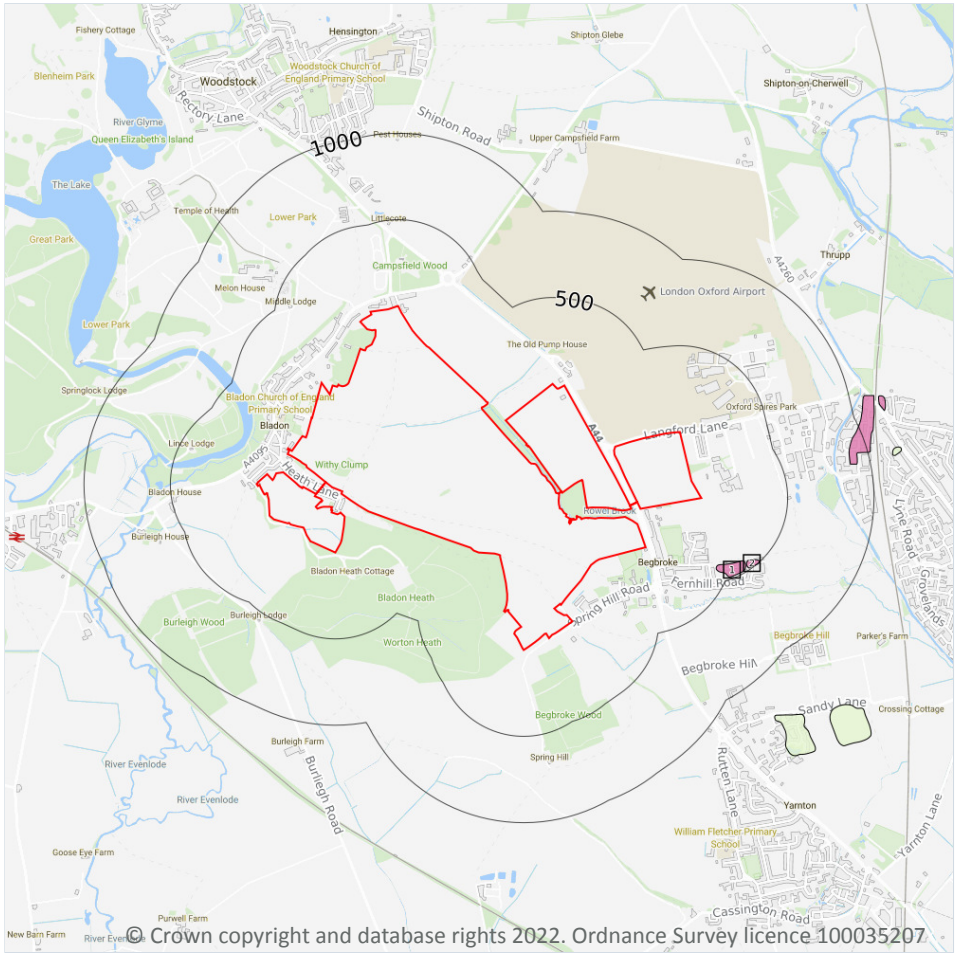
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 101**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SP41SE**
2	**On site**	**No coverage**	**No coverage**	**No coverage**	**No coverage**	**NoCov**

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground



Site Outline

Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m	2

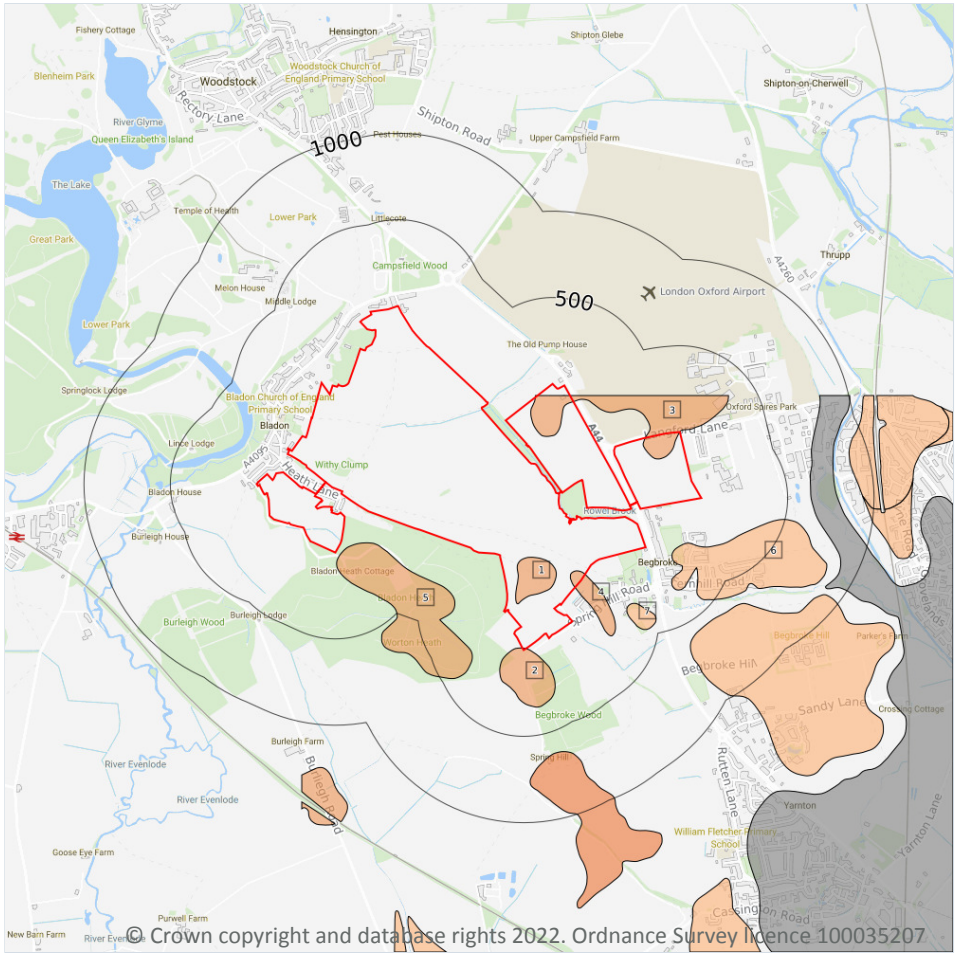
Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 102**

ID	Location	LEX Code	Description	Rock description
1	400m S	WGR-VOID	Worked Ground (Undivided)	Void
2	452m SE	WGR-VOID	Worked Ground (Undivided)	Void

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m **7**

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 103**

ID	Location	LEX Code	Description	Rock description
1	On site	WV-XSV	Wolvercote Sand And Gravel Member - Sand And Gravel	Sand And Gravel
2	On site	NDR-XSV	Northern Drift Formation - Sand And Gravel	Sand And Gravel
3	On site	WV-XSV	Wolvercote Sand And Gravel Member - Sand And Gravel	Sand And Gravel
4	On site	WV-XSV	Wolvercote Sand And Gravel Member - Sand And Gravel	Sand And Gravel

ID	Location	LEX Code	Description	Rock description
5	30m SE	NDR-XSV	Northern Drift Formation - Sand And Gravel	Sand And Gravel
6	159m E	SURA-XSV	Summertown-radley Sand And Gravel Member - Sand And Gravel	Sand And Gravel
7	296m S	SURA-XSV	Summertown-radley Sand And Gravel Member - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

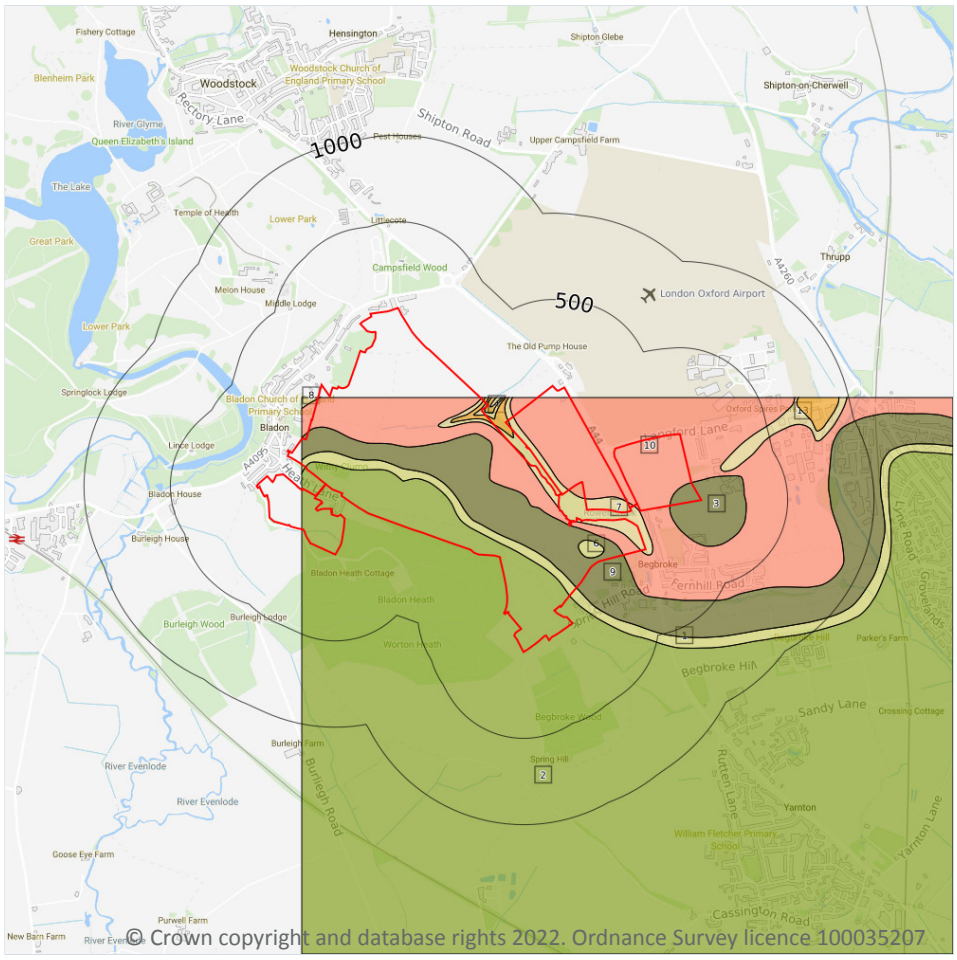
14.4 Landslip (10k)

Records within 500m	**0**

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m	13

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 105**

ID	Location	LEX Code	Description	Rock age
1	On site	KLS-SDST	Kellaways Sand Member - Sandstone	Callovian Age
2	On site	OXWW-MDST	Oxford Clay Formation And West Walton Formation (undifferentiated) - Mudstone	Oxfordian Age - Callovian Age
3	On site	KLC-MDST	Kellaways Clay Member - Mudstone	Callovian Age

ID	Location	LEX Code	Description	Rock age
4	**On site**	**FMB-LMST**	**Forest Marble Formation - Limestone**	**Bathonian Age**
5	**On site**	**FMB-MDST**	**Forest Marble Formation - Mudstone**	**Bathonian Age**
6	**On site**	**KLS-SDST**	**Kellaways Sand Member - Sandstone**	**Callovian Age**
7	**On site**	**FMB-MDST**	**Forest Marble Formation - Mudstone**	**Bathonian Age**
8	**On site**	**FMB-MDST**	**Forest Marble Formation - Mudstone**	**Bathonian Age**
9	**On site**	**KLC-MDST**	**Kellaways Clay Member - Mudstone**	**Callovian Age**
10	**On site**	**CB-LMST**	**Cornbrash Formation - Limestone**	**Callovian Age - Bathonian Age**
11	**On site**	**FMB-LMST**	**Forest Marble Formation - Limestone**	**Bathonian Age**
12	16m E	FMB-MDST	Forest Marble Formation - Mudstone	Bathonian Age
13	184m E	FMB-MDST	Forest Marble Formation - Mudstone	Bathonian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**0**

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability

Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

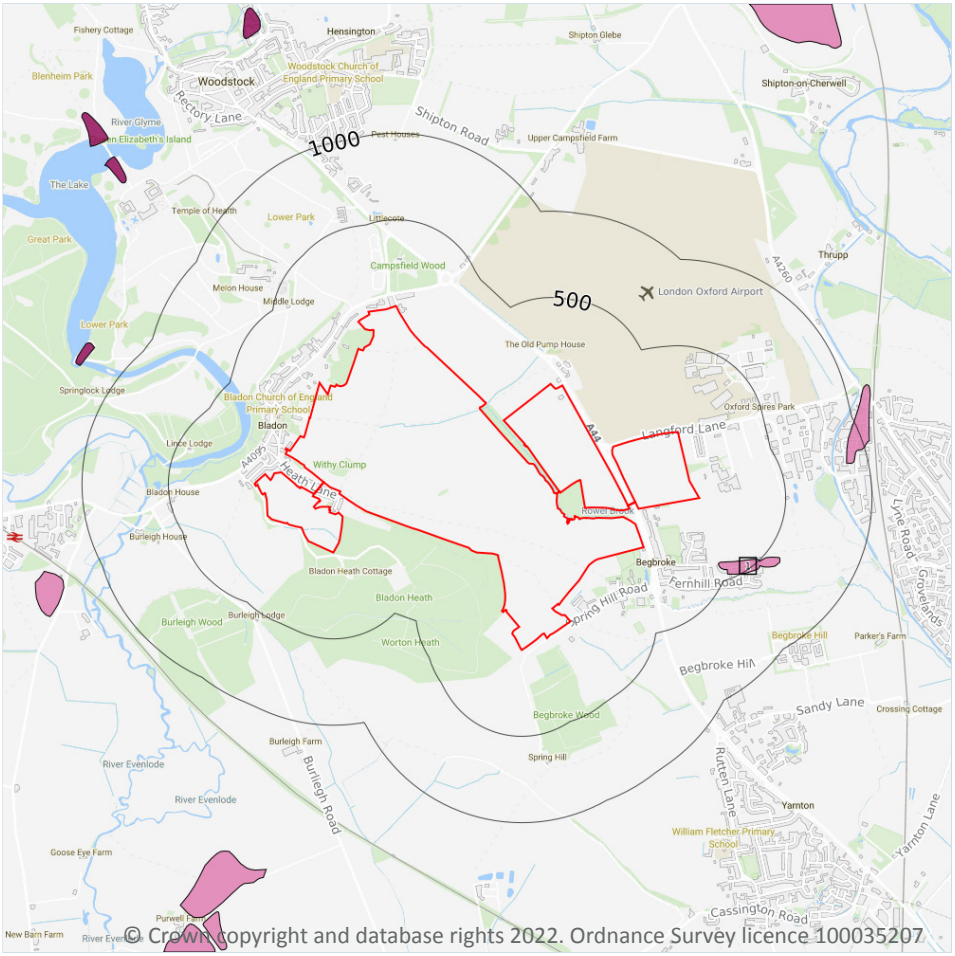
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 107**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW236_witney_v4**

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made ground



Site Outline

Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m	1

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 108**

ID	Location	LEX Code	Description	Rock description
1	391m S	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

This data is sourced from the British Geological Survey.

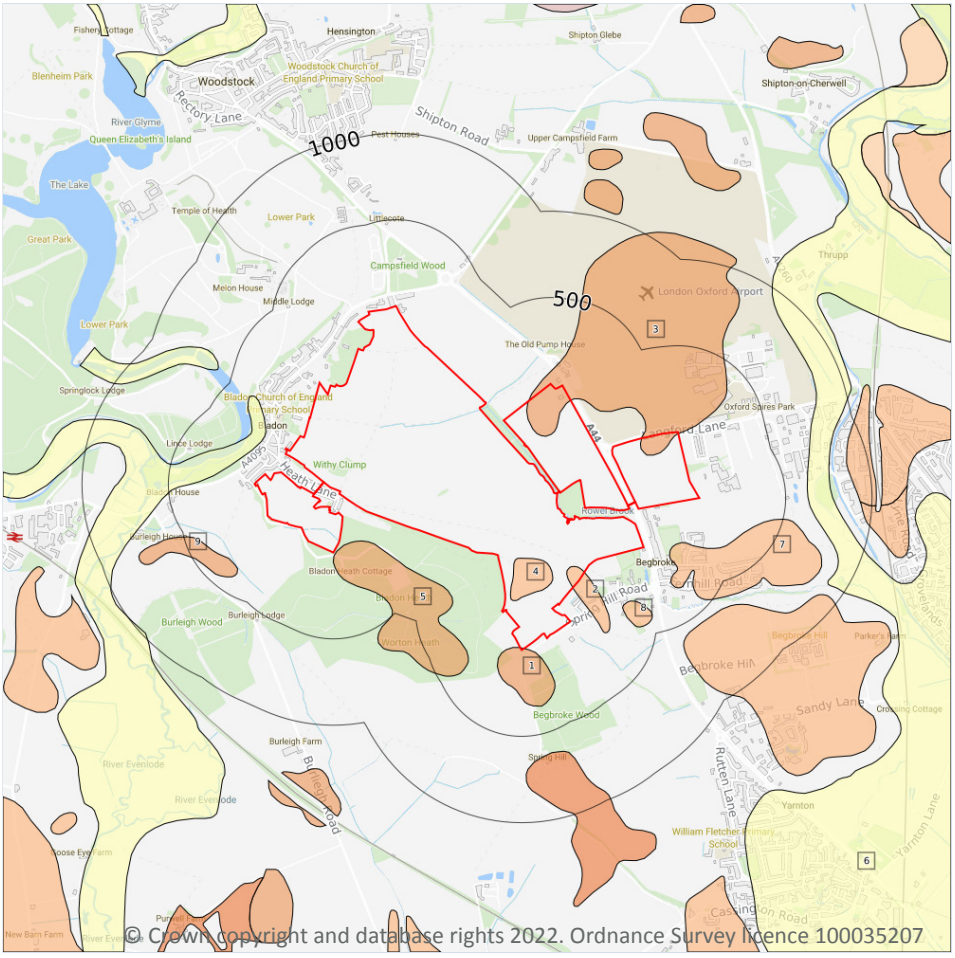
15.3 Artificial ground permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m	9

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 110**

ID	Location	LEX Code	Description	Rock description
1	On site	NDR-XSV	NORTHERN DRIFT FORMATION	SAND AND GRAVEL
2	On site	SURA-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER	SAND AND GRAVEL
3	On site	WV-XSV	WOLVERCOTE SAND AND GRAVEL MEMBER	SAND AND GRAVEL
4	On site	SURA-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER	SAND AND GRAVEL

ID	Location	LEX Code	Description	Rock description
5	13m SE	NDR-XSV	NORTHERN DRIFT FORMATION	SAND AND GRAVEL
6	142m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
7	155m E	SURA-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER	SAND AND GRAVEL
8	282m S	SURA-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER	SAND AND GRAVEL
9	334m SW	WV-XSV	WOLVERCOTE SAND AND GRAVEL MEMBER	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	**6**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Intergranular**	**Very High**	**High**
On site	**Intergranular**	**Very High**	**High**
On site	**Intergranular**	**Very High**	**High**
On site	**Intergranular**	**Very High**	**High**
On site	**Intergranular**	**Very High**	**High**
13m SW	Intergranular	Very High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	**0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

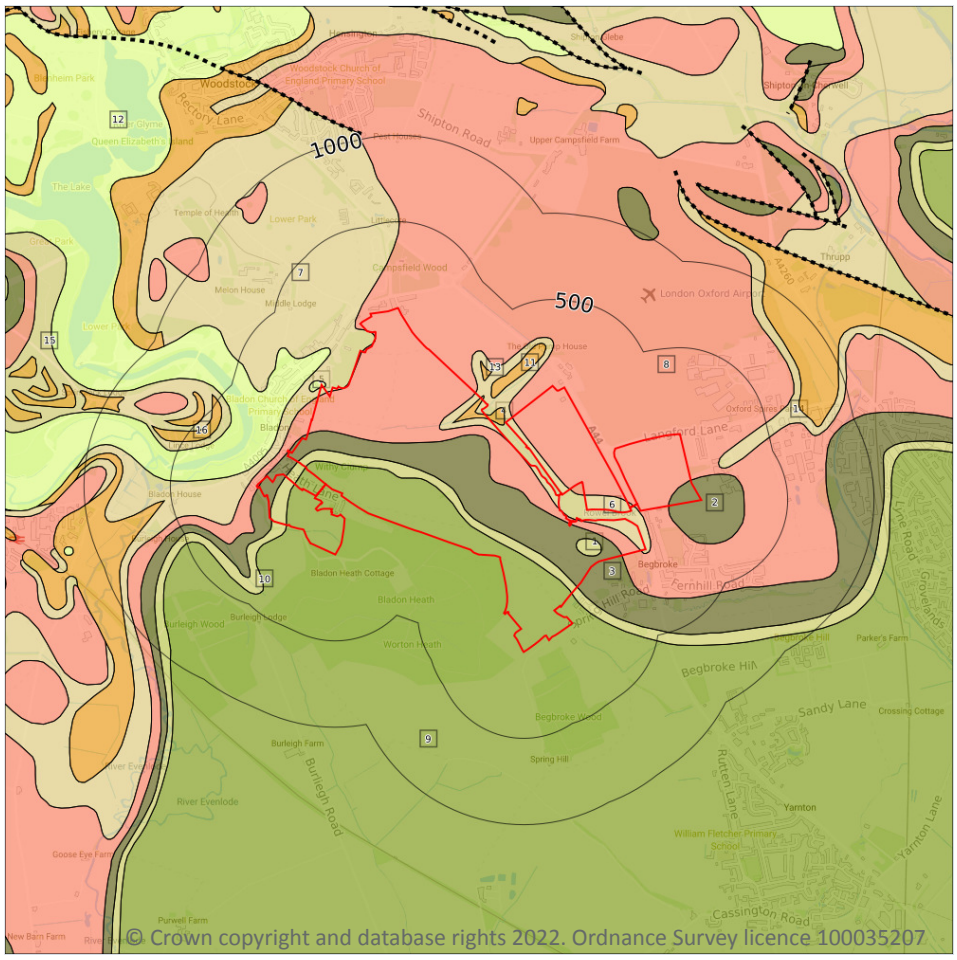
15.7 Landslip permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m **17**

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 113**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**KLS-SDSL**	**KELLAWAYS SAND MEMBER - SANDSTONE AND SILTSTONE, INTERBEDDED**	**CALLOVIAN**
2	**On site**	**KLC-MDST**	**KELLAWAYS CLAY MEMBER - MUDSTONE**	**CALLOVIAN**
3	**On site**	**KLC-MDST**	**KELLAWAYS CLAY MEMBER - MUDSTONE**	**CALLOVIAN**

ID	Location	LEX Code	Description	Rock age
4	**On site**	**FMB-LMST**	**FOREST MARBLE FORMATION - LIMESTONE**	**BATHONIAN**
5	**On site**	**WHL-LMST**	**WHITE LIMESTONE FORMATION - LIMESTONE**	**BATHONIAN**
6	**On site**	**FMB-MDST**	**FOREST MARBLE FORMATION - MUDSTONE**	**BATHONIAN**
7	**On site**	**FMB-MDST**	**FOREST MARBLE FORMATION - MUDSTONE**	**BATHONIAN**
8	**On site**	**CB-LMST**	**CORNBRASH FORMATION - LIMESTONE**	**BATHONIAN**
9	**On site**	**OXWW-MDST**	**OXFORD CLAY FORMATION AND WEST WALTON FORMATION (UNDIFFERENTIATED) - MUDSTONE**	**CALLOVIAN**
10	**On site**	**KLS-SDSL**	**KELLAWAYS SAND MEMBER - SANDSTONE AND SILTSTONE, INTERBEDDED**	**CALLOVIAN**
11	48m NE	FMB-LMST	FOREST MARBLE FORMATION - LIMESTONE	BATHONIAN
12	81m NW	WHL-LMST	WHITE LIMESTONE FORMATION - LIMESTONE	BATHONIAN
13	88m NE	FMB-LMST	FOREST MARBLE FORMATION - LIMESTONE	BATHONIAN
14	179m E	FMB-MDST	FOREST MARBLE FORMATION - MUDSTONE	BATHONIAN
15	351m NW	FMB-MDST	FOREST MARBLE FORMATION - MUDSTONE	BATHONIAN
16	395m NW	FMB-LMST	FOREST MARBLE FORMATION - LIMESTONE	BATHONIAN
17	496m NW	FMB-LMST	FOREST MARBLE FORMATION - LIMESTONE	BATHONIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **21**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Very High**	**High**
On site	**Mixed**	**Moderate**	**Moderate**
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Very High**	**Very High**
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Very High**	**High**

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Low**	**Very Low**
On site	**Mixed**	**Moderate**	**Moderate**
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Very High**	**High**
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Very High**	**High**
On site	**Mixed**	**Moderate**	**Moderate**
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Low**	**Very Low**
2m N	Fracture	Very High	High
8m NW	Fracture	Low	Very Low
40m SW	Fracture	Low	Very Low
48m N	Fracture	Very High	High
48m NE	Fracture	Very High	High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	**0**

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

16 Boreholes

Site Outline

Search buffers in metres (m)

Confidential

0 - 10m

10 - 30m

30m+

Unknown

16.1 BGS Boreholes

Records within 250m	2

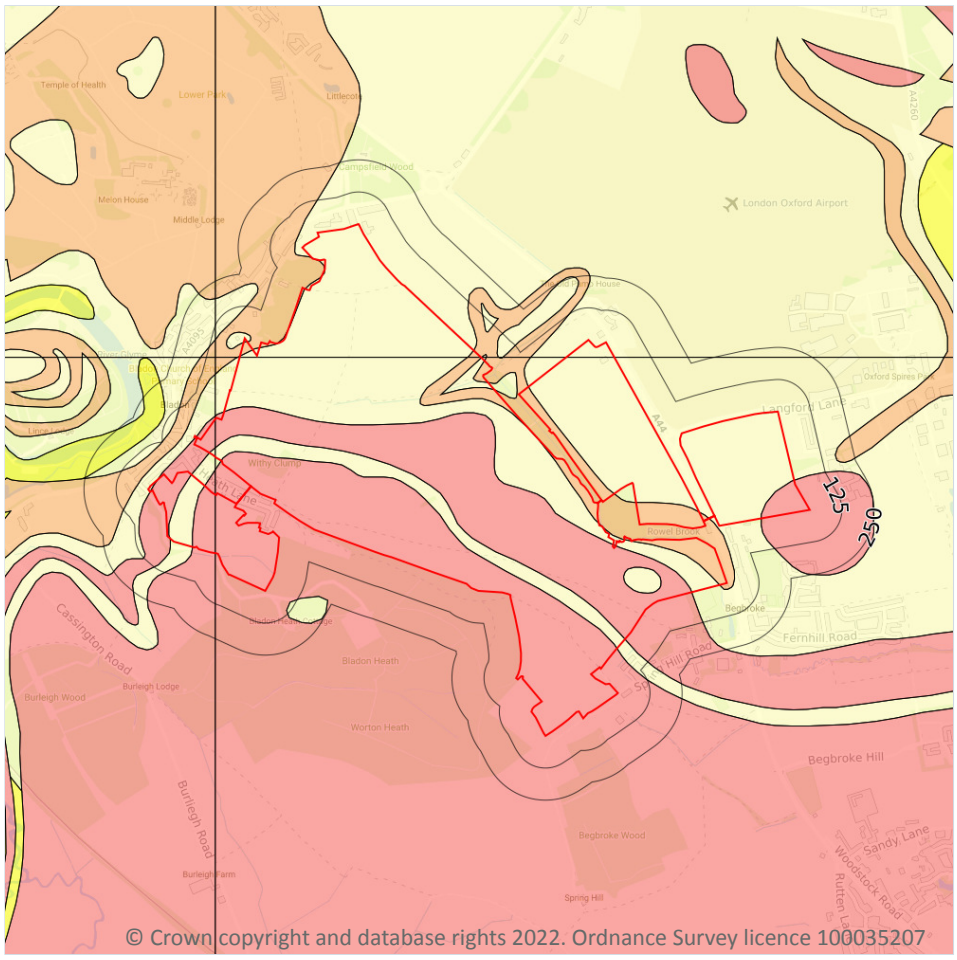
The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on **page 116**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	183m W	444930 215090	HENSINGTON BLADON	-2.0	N	330670
2	224m W	444860 214990	HENSINGTON BLADON	3.97	N	330975

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.1 Shrink swell clays

Records within 50m	8

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

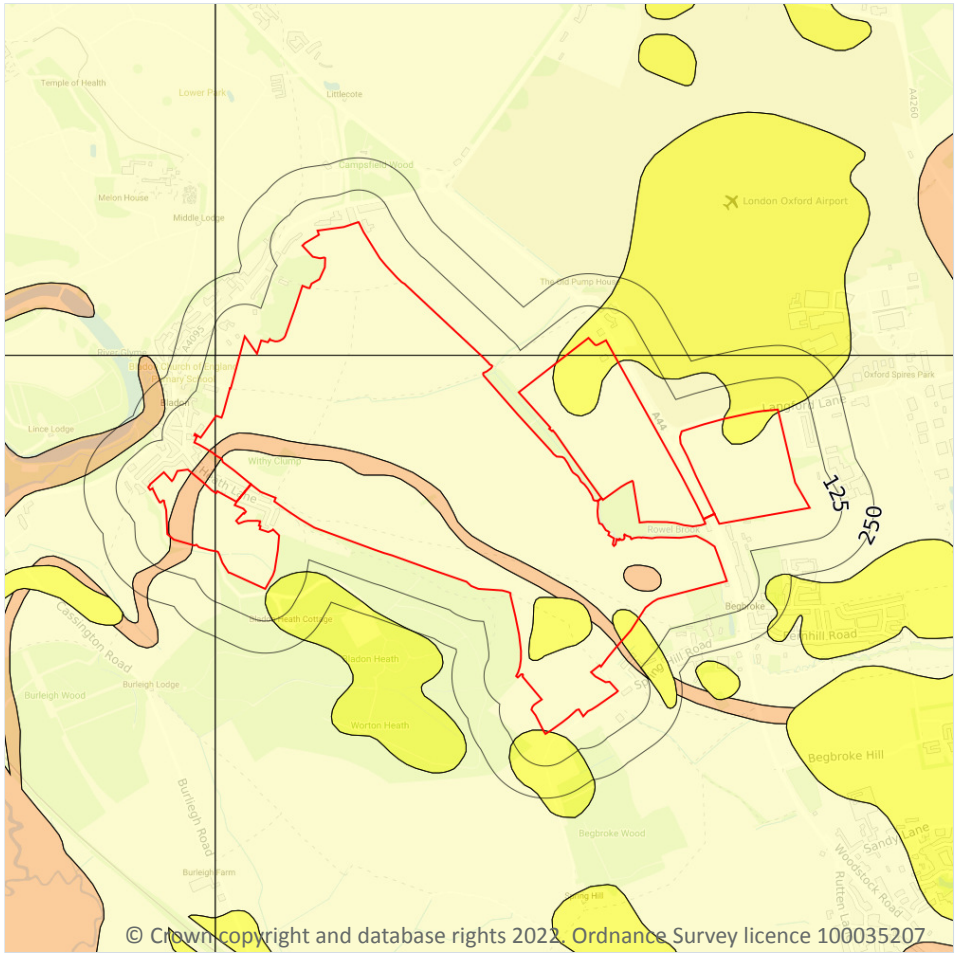
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 117**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
On site	**Low**	**Ground conditions predominantly medium plasticity.**
On site	**Moderate**	**Ground conditions predominantly high plasticity.**

Location	Hazard rating	Details
2m NE	Negligible	Ground conditions predominantly non-plastic.
8m W	Low	Ground conditions predominantly medium plasticity.
41m NW	Low	Ground conditions predominantly medium plasticity.
48m NE	Negligible	Ground conditions predominantly non-plastic.
48m NE	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.2 Running sands

Records within 50m	4

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

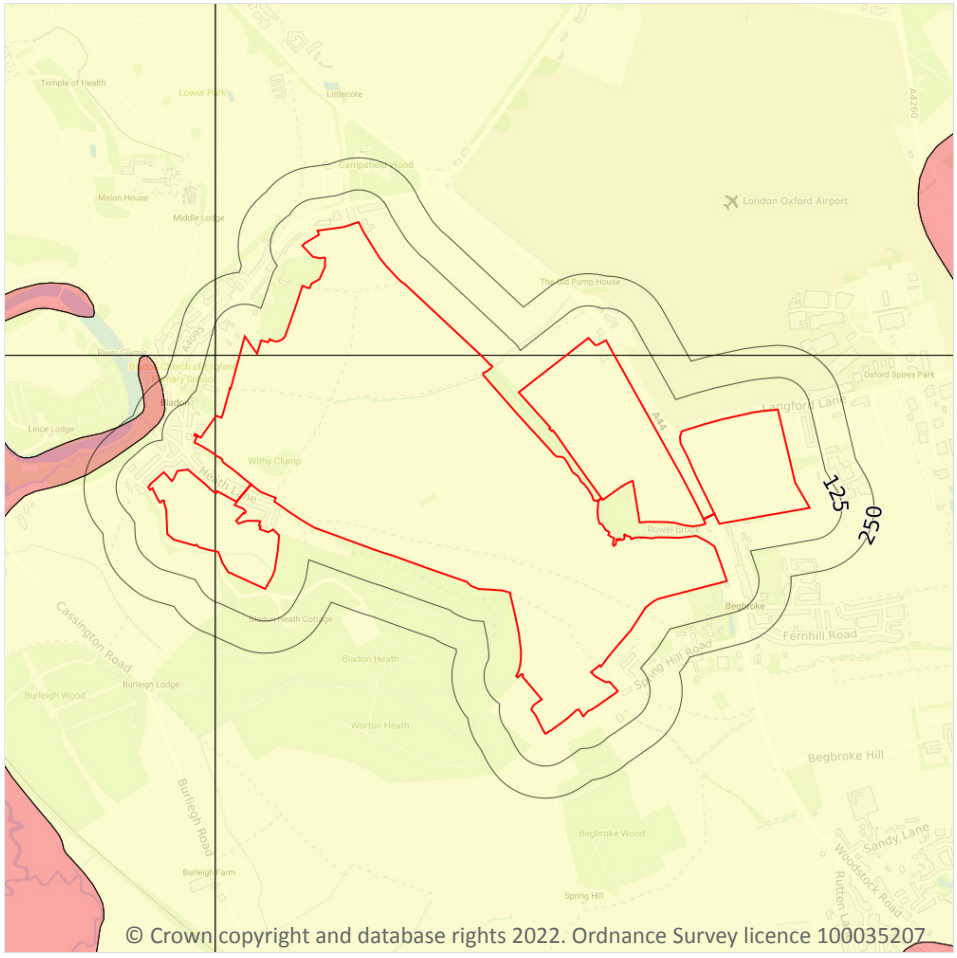
Features are displayed on the Natural ground subsidence - Running sands map on **page 119**

Location	Hazard rating	Details
On site	**Negligible**	**Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.**

Location	Hazard rating	Details
On site	**Very low**	**Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.**
On site	**Low**	**Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.**
13m SE	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.3 Compressible deposits

Records within 50m	1

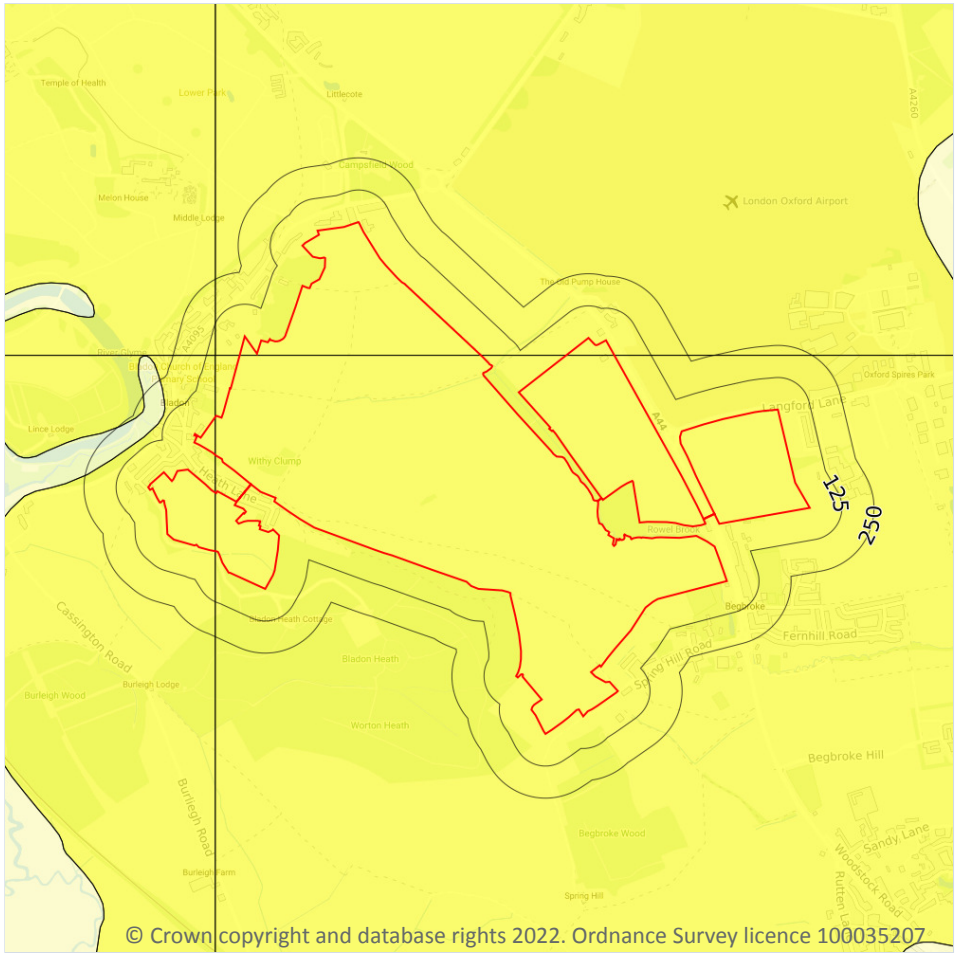
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 121**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.4 Collapsible deposits

Records within 50m	1

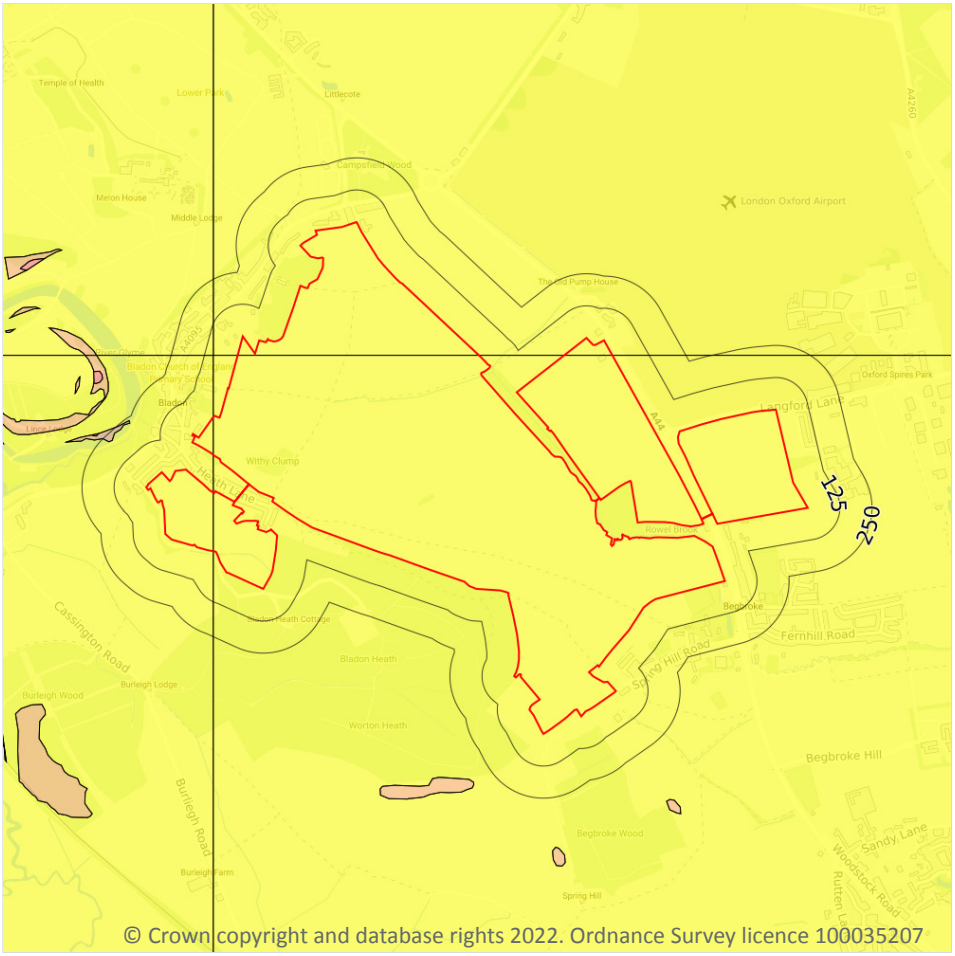
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 122**

Location	Hazard rating	Details
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.5 Landslides

Records within 50m	1

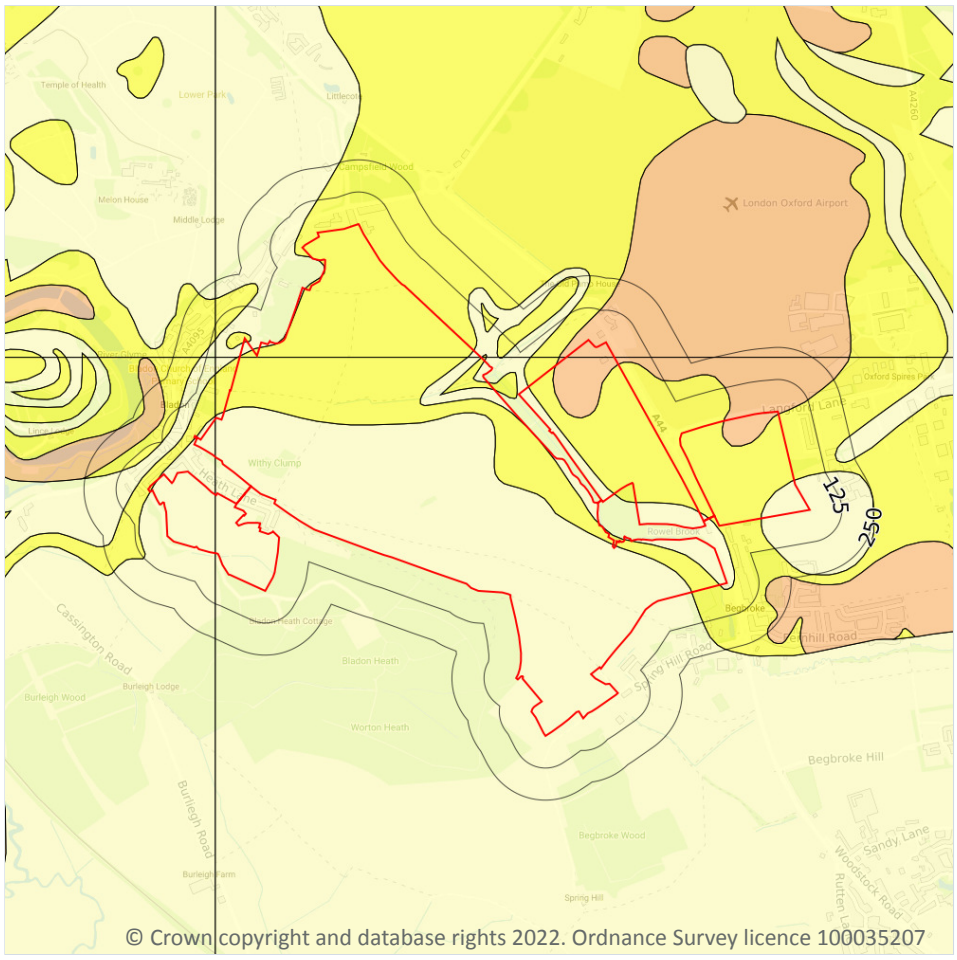
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 123**

Location	Hazard rating	Details
On site	**Very low**	**Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m	8

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

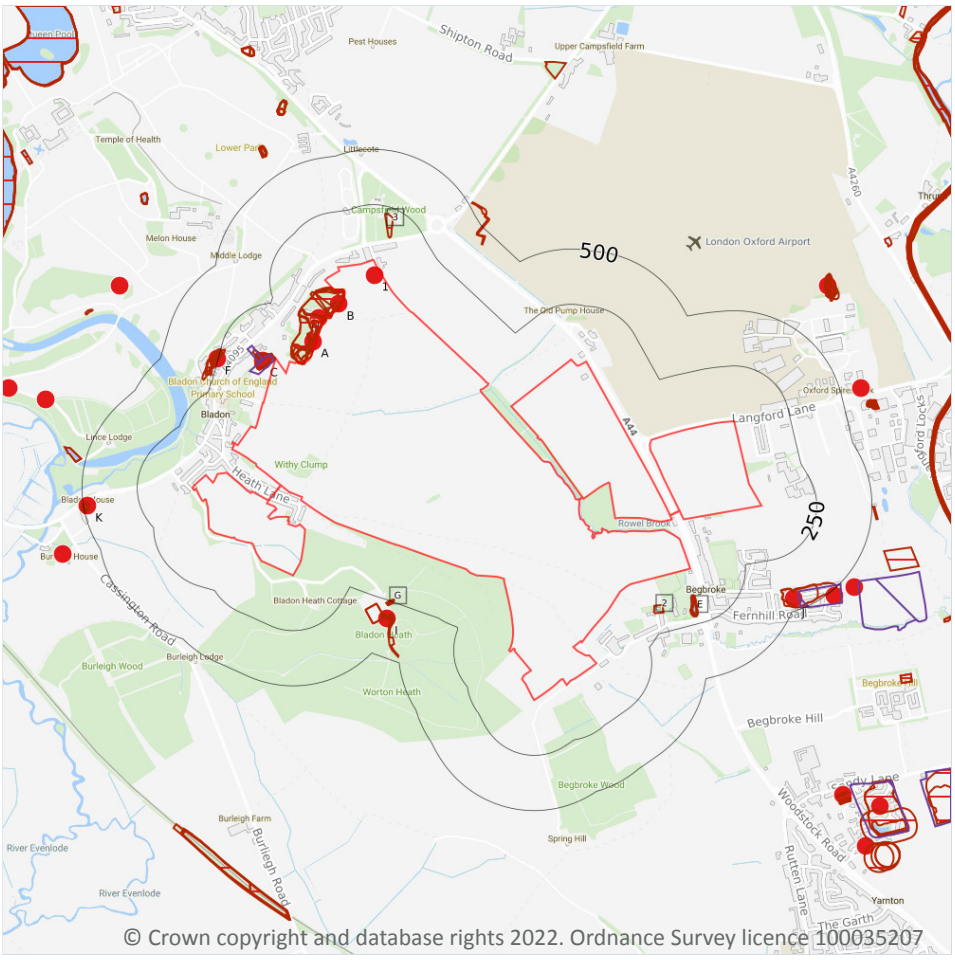
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 124**

Location	Hazard rating	Details
On site	**Negligible**	**Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.**

Location	Hazard rating	Details
On site	**Very low**	**Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.**
On site	**Low**	**Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances.**
2m NE	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.
8m W	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.
41m NW	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.
48m NE	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.
48m NE	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18 Mining, ground workings and natural cavities



Site Outline

Search buffers in metres (m)

- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities

Non Coal Mining

- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m	0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m	**20**

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining, ground workings and natural cavities map on **page 126**

ID	Location	Details	Description
1	**On site**	**Name: Campsfield Lodge Pit** **Address: Bladon, WOODSTOCK, Oxfordshire** **Commodity: Limestone** **Status: Ceased**	**Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site** **Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority**
A	11m W	Name: Beeches Pit Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
A	11m W	Name: Beeches Pit Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
B	12m NW	Name: Spinney Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
B	12m NW	Name: Spinney Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

ID	Location	Details	Description
A	23m W	Name: Spinney Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
A	23m W	Name: Spinney Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
A	29m W	Name: Spinney Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
A	29m W	Name: Spinney Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
B	32m S	Name: Spinney Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
A	39m N	Name: Beeches Pit Address: Bladon, Woodstock, KIDLINGTON, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

ID	Location	Details	Description
C	55m W	Name: Diamond Pit Address: Blenheim, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
D	97m W	Name: Spinney Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
D	97m W	Name: Spinney Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
F	254m W	Name: Old White House Inn Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
F	281m NW	Name: Old White House Inn Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	330m S	Name: Bladon Heath Gravel Pit Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

ID	Location	Details	Description
J	445m S	Name: Fern Hill Gravel Pit Address: Begbroke, KIDLINGTON, Oxfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
J	474m SE	Name: Fern Hill Gravel Pit Address: Begbroke, KIDLINGTON, Oxfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
K	481m W	Name: Bladon Quarry Address: Bladon, WOODSTOCK, Oxfordshire Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	**31**

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 126**

ID	Location	Land Use	Year of mapping	Mapping scale
A	**On site**	**Unspecified Pits**	**1923**	**1:10560**
A	**On site**	**Unspecified Pits**	**1950**	**1:10560**
A	**On site**	**Unspecified Disused Pits**	**1978**	**1:10000**
A	**On site**	**Unspecified Pits**	**1923**	**1:10560**
A	**On site**	**Unspecified Pits**	**1898**	**1:10560**
A	**On site**	**Unspecified Quarry**	**1880**	**1:10560**
B	**On site**	**Unspecified Disused Pits**	**1978**	**1:10000**

ID	Location	Land Use	Year of mapping	Mapping scale
C	**On site**	**Unspecified Pit**	**1950**	**1:10560**
B	0m NW	Unspecified Quarry	1880	1:10560
B	1m N	Unspecified Pits	1923	1:10560
C	12m W	Unspecified Quarry	1978	1:10000
C	49m W	Unspecified Pit	1950	1:10560
E	120m S	Pond	1919	1:10560
2	122m S	Grave Yard	1876	1:10560
E	123m S	Pond	1947	1:10560
E	124m S	Pond	1898	1:10560
E	124m S	Pond	1968	1:10560
3	124m NE	Unspecified Pit	1880	1:10560
E	125m S	Pond	1876	1:10560
E	125m S	Pond	1979	1:10000
E	125m S	Pond	1992	1:10000
E	131m S	Pond	1919	1:10560
F	230m W	Unspecified Quarry	1880	1:10560
G	238m S	Old Gravel Pit	1968	1:10560
F	239m W	Unspecified Old Quarry	1950	1:10560
G	244m S	Old Gravel Pit	1923	1:10560
G	244m S	Old Gravel Pit	1923	1:10560
G	244m S	Old Gravel Pit	1898	1:10560
F	247m W	Unspecified Old Quarry	1923	1:10560
F	247m W	Unspecified Old Quarry	1898	1:10560
F	248m W	Unspecified Old Quarry	1923	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m	0

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	3

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining, ground workings and natural cavities map on **page 126**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
C	2m W	Diamond Pit and Beeches	Limestone	Surface mineral working	Valid	Not available
C	56m W	Diamond Pit and Beeches	Limestone	Surface mineral working	Application	Not available
J	422m SE	Fern Hill	Sand and gravel	Surface mineral working	Valid	29/11/48

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	0

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m	0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site	0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site	0

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.11 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

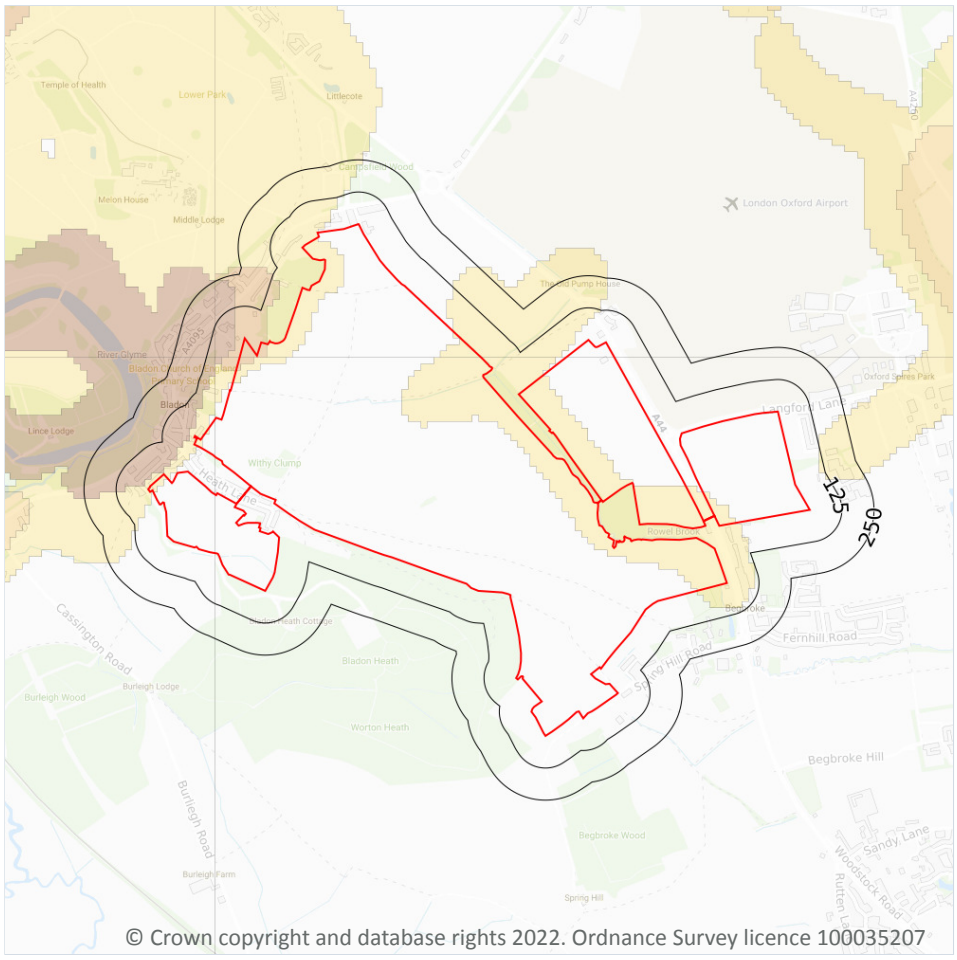
18.13 Clay mining

Records on site	0

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Radon



Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

19.1 Radon

Records on site	3

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 135**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 5% and 10%**	**Basic**
On site	**Between 1% and 3%**	**None**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Less than 1%**	**None****

This data is sourced from the British Geological Survey and Public Health England.

20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m	90

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km^2. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km^2; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
1m NW	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
2m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
7m W	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
8m NW	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
9m E	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
13m SW	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
17m N	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
26m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
28m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
34m E	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
40m W	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
46m W	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
48m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
48m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

This data is sourced from the British Geological Survey.

21 Railway infrastructure and projects

21.1 Underground railways (London)

Records within 250m	0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m	0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m	0

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m	0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m	0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m	0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m	0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m	0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m	0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see [redacted]

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: [redacted]