

B Historic Maps

County Series 1:10,560 scale

National Grid 1:10,000 scale



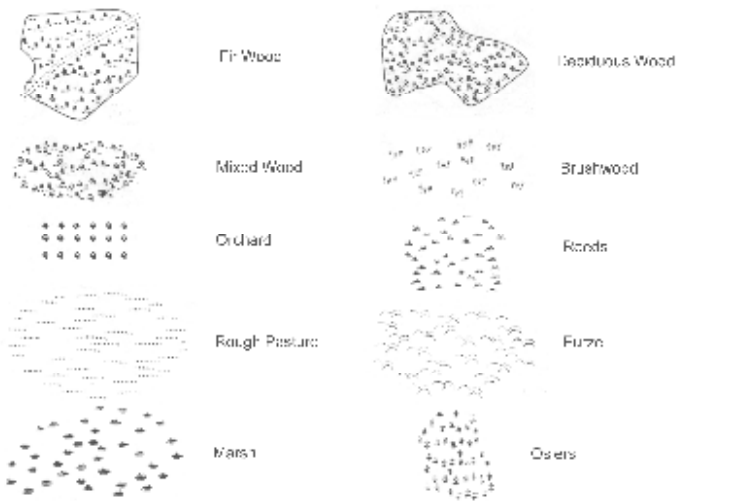
Historical Map Pack Legend

County Series & National Grid

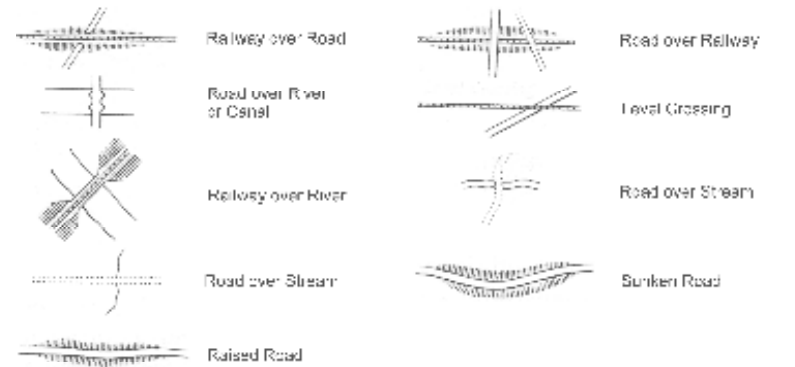
1:10,560 scale

1:10,560 scale

VEGETATION



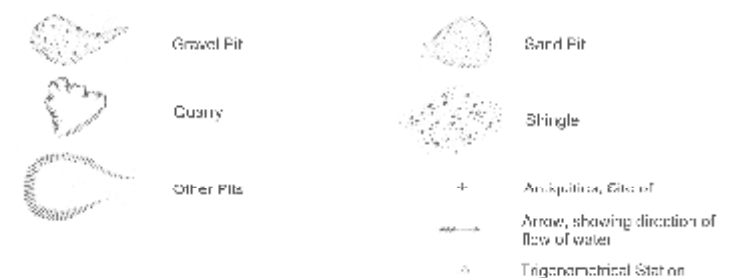
ROADS



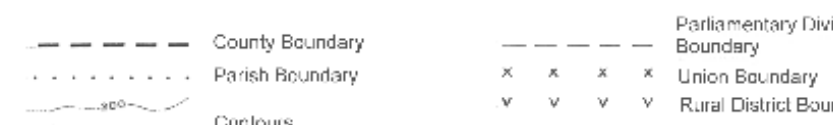
RAILWAYS



GENERAL FEATURES



BOUNDARIES *Journal of Management Inquiry* 20(1)



HIGHLIGHTS (METRES)	ROCK FEATURES	CONVERSION
---------------------	---------------	------------

Yours are given = models given on previous test
or **No-ly-**

Topic: $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

Motives: Free

Surface height contour interval 10 m	Ground survey contour interval 1 m	2000 Machete	2000 Machete
---	--	-----------------	-----------------

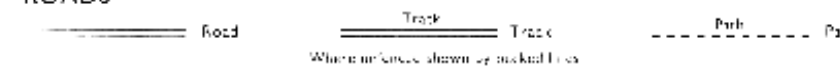
Birth marks and hair values shown on these maps, and the birth date, completing the record usually have identifying information are obtainable from the Census Bureau.
 ☐ Source: *ibid.*

Contaminant at 5 meters vertical	Value	Unit	Notes
Lead	428	µg/L	5.17

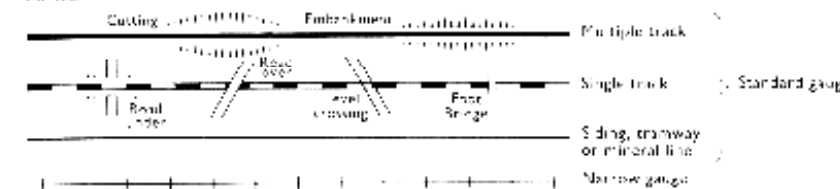
ABBREVIATIONS

SP 55	Bu. day Post Office	FO	Post Office	UNIT 1500
Ch	Church	FC	Public Conference	
Ch	Club House	FH	Public House	
Ch	Fire Station	S	Scene	
FB	Foot Bridge	Sp	Spring	
Fu	Fountain	TCB	Telephone Cabinet	
GP	Gum Store	TCF	Telephone C. Box	
MPH	Mail Post or Store	TH	Thorough	
P	Police Post	W	Wing	
Pol Sta	Police Station	Y	Yards Road	

ROADS

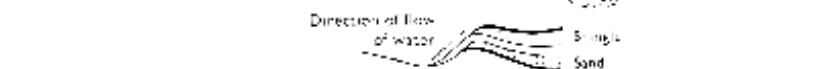


RAILWAYS



GENERAL FEATURES

	Antennary (pole of)		Lake, loch or pond
	Double ...		Stepping masonry
	Building		Grave pit, or sepulchre
	Electrical transmission line		Grave pit
			Sand pit
	Grasshouse		Refuse or slag heap
	Tram station		



VEGETATION

Barren	Barren, rough grassland		Mosses		Coppice
Open	Scrub		Selfings		Orchids
Grassland	Heath		Reeds		Non-coniferous trees

In some areas bracken (*P.*) and rough grass and (*P.*) are shown separately.

Information present on these legends is sourced from the same Ordnance Survey mapping as the maps used in this product.

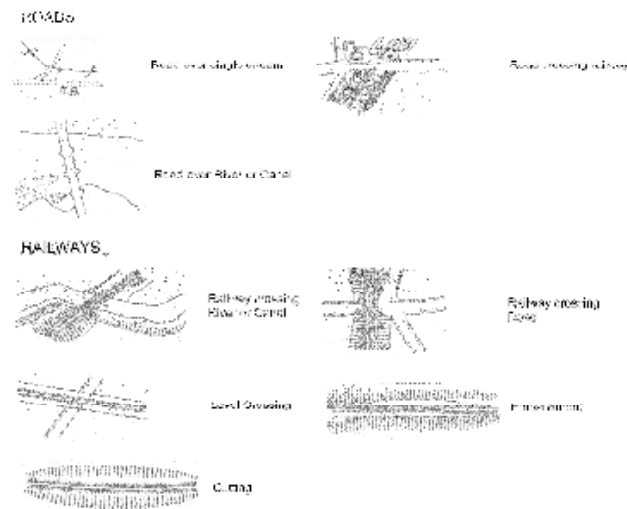
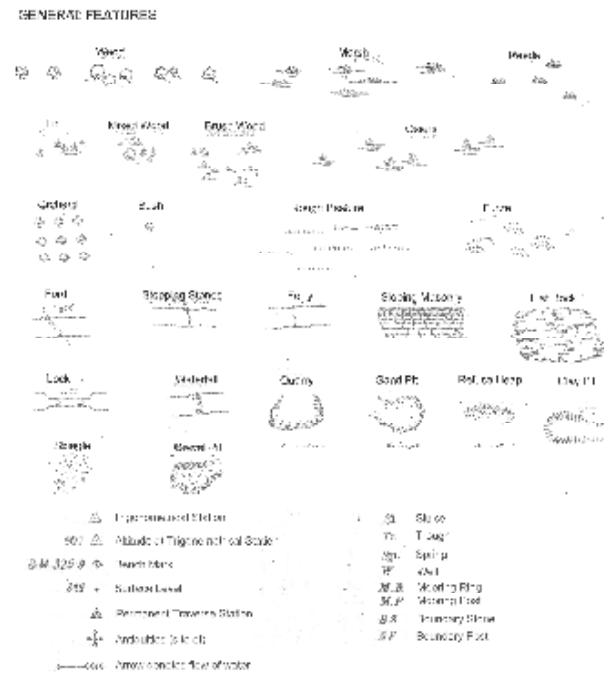
If you have a query regarding any of the maps provided please contact GroundSure's technical helpline. We will endeavour to answer any queries you may have.

Technical Helpline

Tel 08444159000

groundsureinsight@groundsure.com
www.groundsure.com

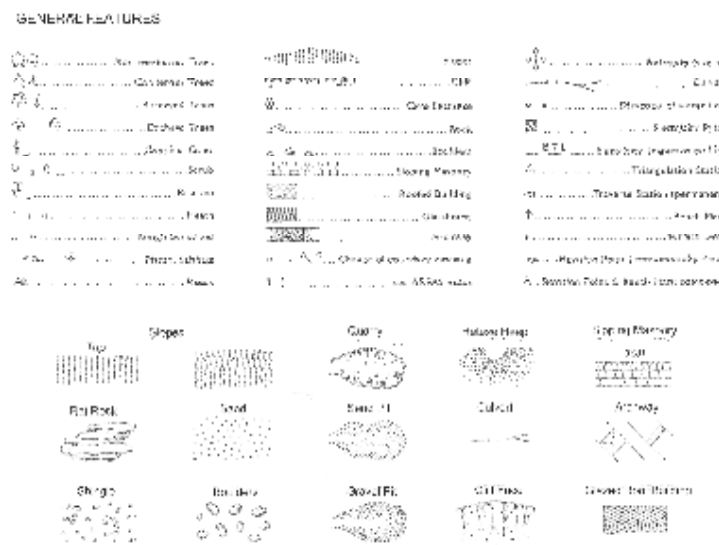
County Series 1:2,500 scale



ABBREVIATIONS

△	Engineered Station	△	Shrub
△	Abandoned Station	△	Tree
△	Marsh	△	Spill
△	Subsided Level	△	Wet
△	Permanent Township Station	△	Wetland
△	Abandoned Station	△	Wetland
△	Abandoned Station	△	Wetland

National Grid 1:2,500 / 1:1,250 scale



BOUNDARIES

England & Wales	County Boundary (geographical)
County & Civil Parish Boundary (continuous)	
Admin County or County Borough Boundary	
London Borough Boundary	
County District Boundaries based on civil parish	
England, Wales & Scotland	Civil Parish Boundary
Borough, Burgh, Cony & Ward Bdy	Parish & Ward Boundaries based on civil parish
County District Boundary	
Scotland	County Boundary (geographical)
County Council Boundary	
City of Edinburgh	
County of the City Boundary	
Borough Boundary	
County District Boundary	
County District Boundary	
County District Boundary	

ABBREVIATIONS

B.H.	Burn House	P.S.	Police Station
B.M.	Burn Mark	P.P.	Police Post
B.P.	Boundary Point	P.P.	Police Post
B.S.	Boundary Stone	P.P.	Police Post
C.	Church	P.P.	Police Post
C.H.	Club House	P.P.	Police Post
C.H.	Club House	P.P.	Police Post
C.H.	Club House	P.P.	Police Post



Historical Map Pack Legend

County Series

1:1,250 scale



County Series & National Grid

1:2,500 scale

Information present on these legends is sourced from the same Ordnance Survey mapping as the maps used in this product.

If you have a query regarding any of the maps provided within this map pack, please contact GroundSure's technical helpline. We will endeavour to answer any queries you may have.

Technical Helpline:

Tel 08444159000

groundsuresight@groundsures.com
www.groundsure.com

clarkebond

Site Details:

New Farm, Warminster, BA12 8RY

Client Ref: EMS_659518_870208
Report Ref: EMS-CB-659518_870208
Grid Ref: 386995, 146347

Map Name: County Series

Map date: 1886

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1886
Revised 1886
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1886
Revised 1886
Edition N/A
Copyright N/A
Levelled N/A



Produced by
Groundsure Insights
www.groundsure.com

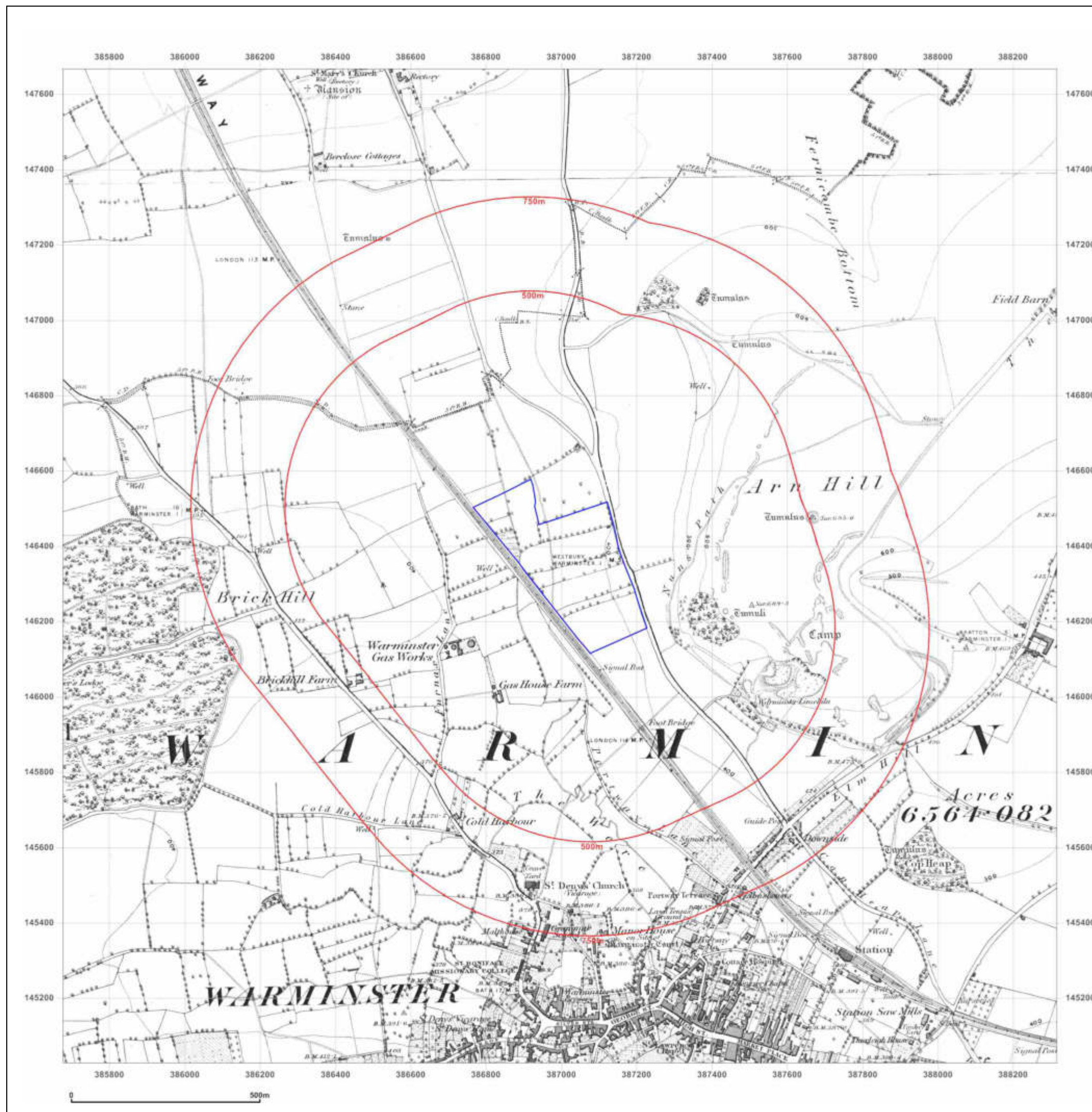


Supplied by:
www.emapsite.com
sales@emapsite.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 05 January 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



clarkebond

Site Details:

New Farm, Warminster, BA12 8RY

Client Ref: EMS_659518_870208
Report Ref: EMS-CB-659518_870208
Grid Ref: 386995, 146347

Map Name: County Series

Map date: 1899

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1884
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1884
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A



Produced by
Groundsure Insights
www.groundsure.com

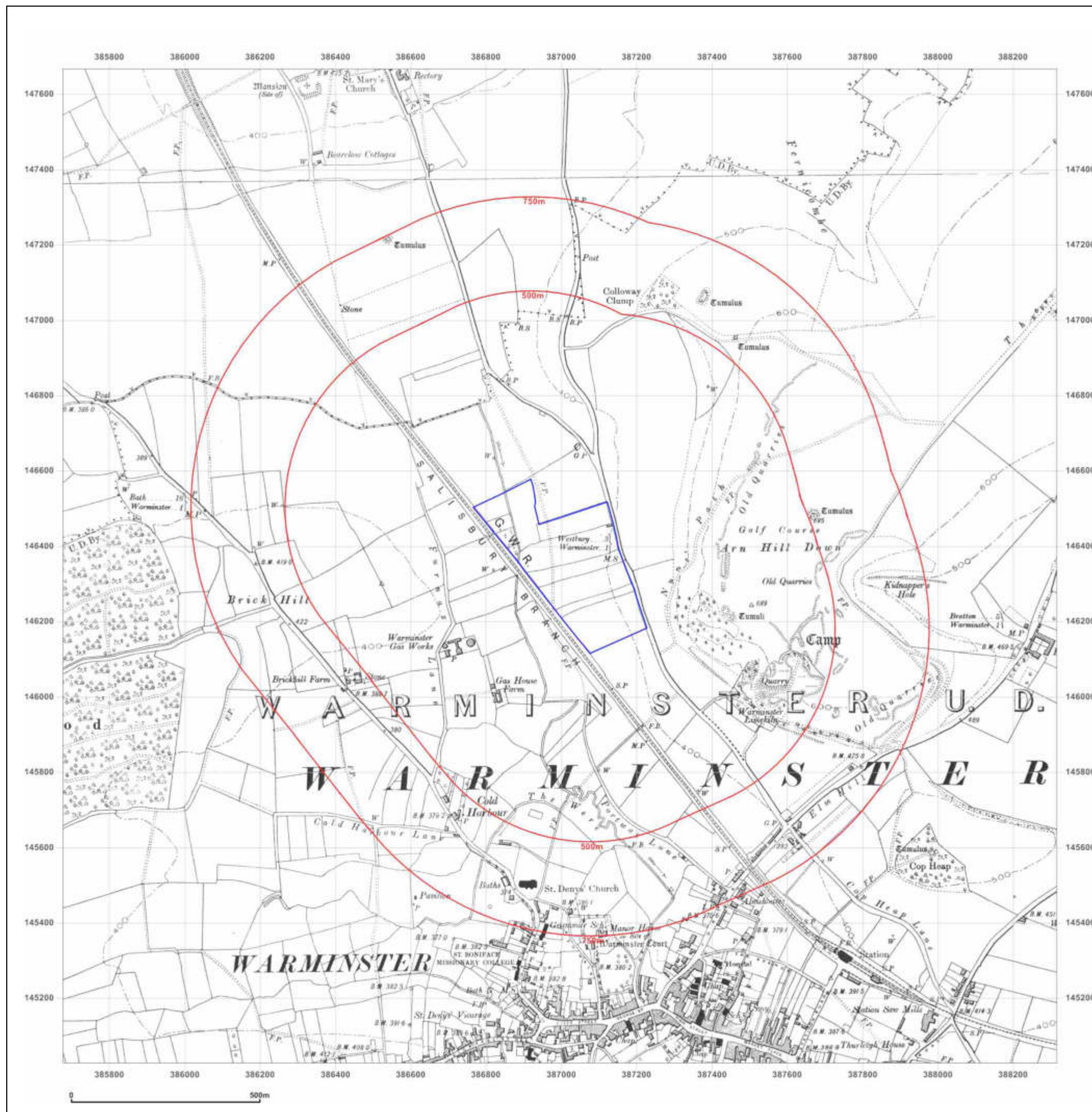


Supplied by:
www.emapsite.com
sales@emapsite.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 05 January 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



clarkebond

Site Details:

New Farm, Warminster, BA12 8RY

Client Ref: EMS_659518_870208
Report Ref: EMS-CB-659518_870208
Grid Ref: 386995, 146347

Map Name: County Series

Map date: 1922-1923

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1884
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1884
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A



Produced by
Groundsure Insights
www.groundsure.com

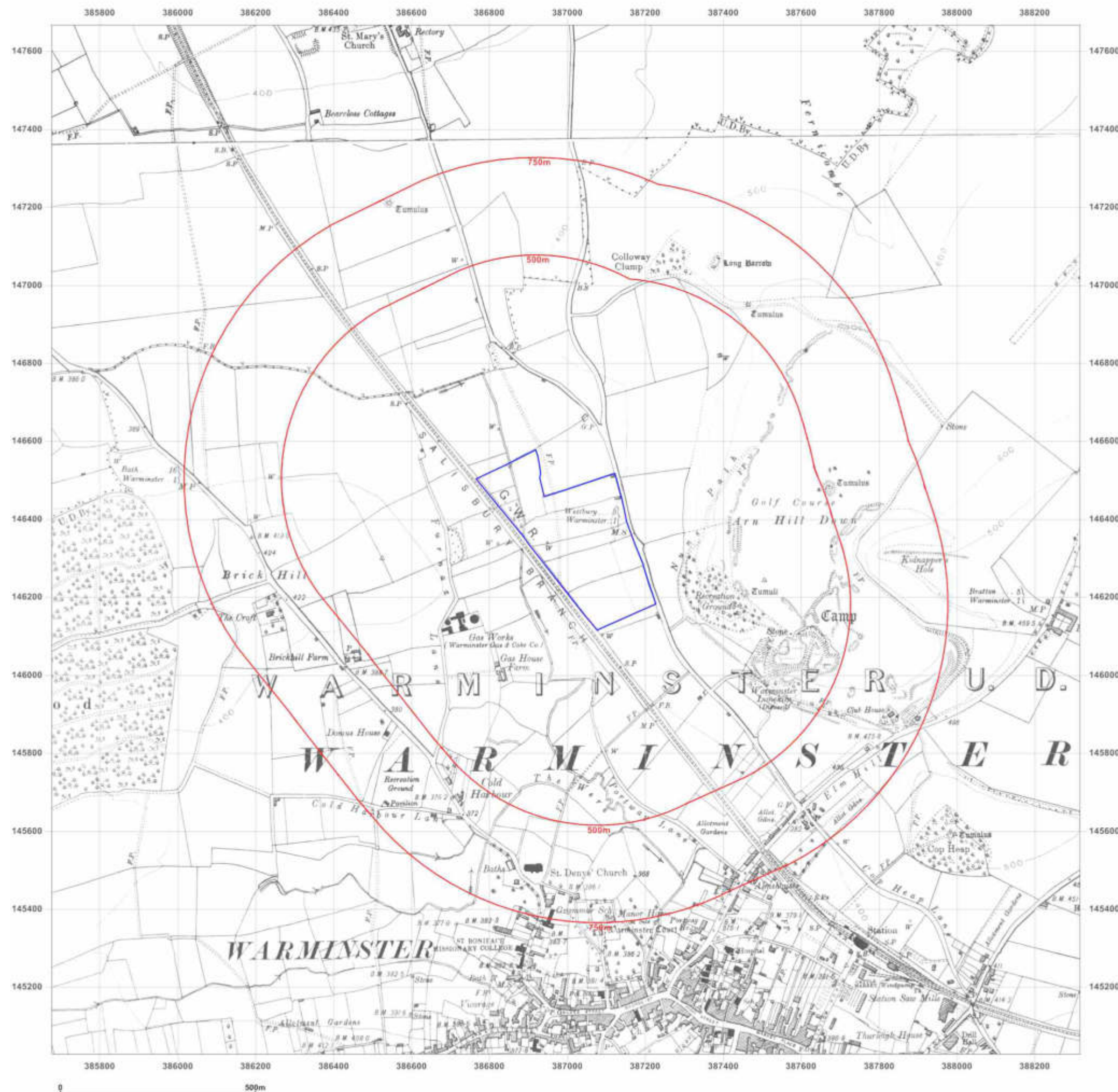


Supplied by:
www.emapsite.com
sales@emapsite.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 05 January 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

New Farm, Warminster, BA12
8RY

Client Ref: EMS_659518_870208
Report Ref: EMS-CB-659518_870208
Grid Ref: 386995, 146347

Map Name: County Series

Map date: 1941

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1884
Revised 1941
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1884
Revised 1941
Edition N/A
Copyright N/A
Levelled N/A



Produced by
Groundsure Insights
www.groundsure.com

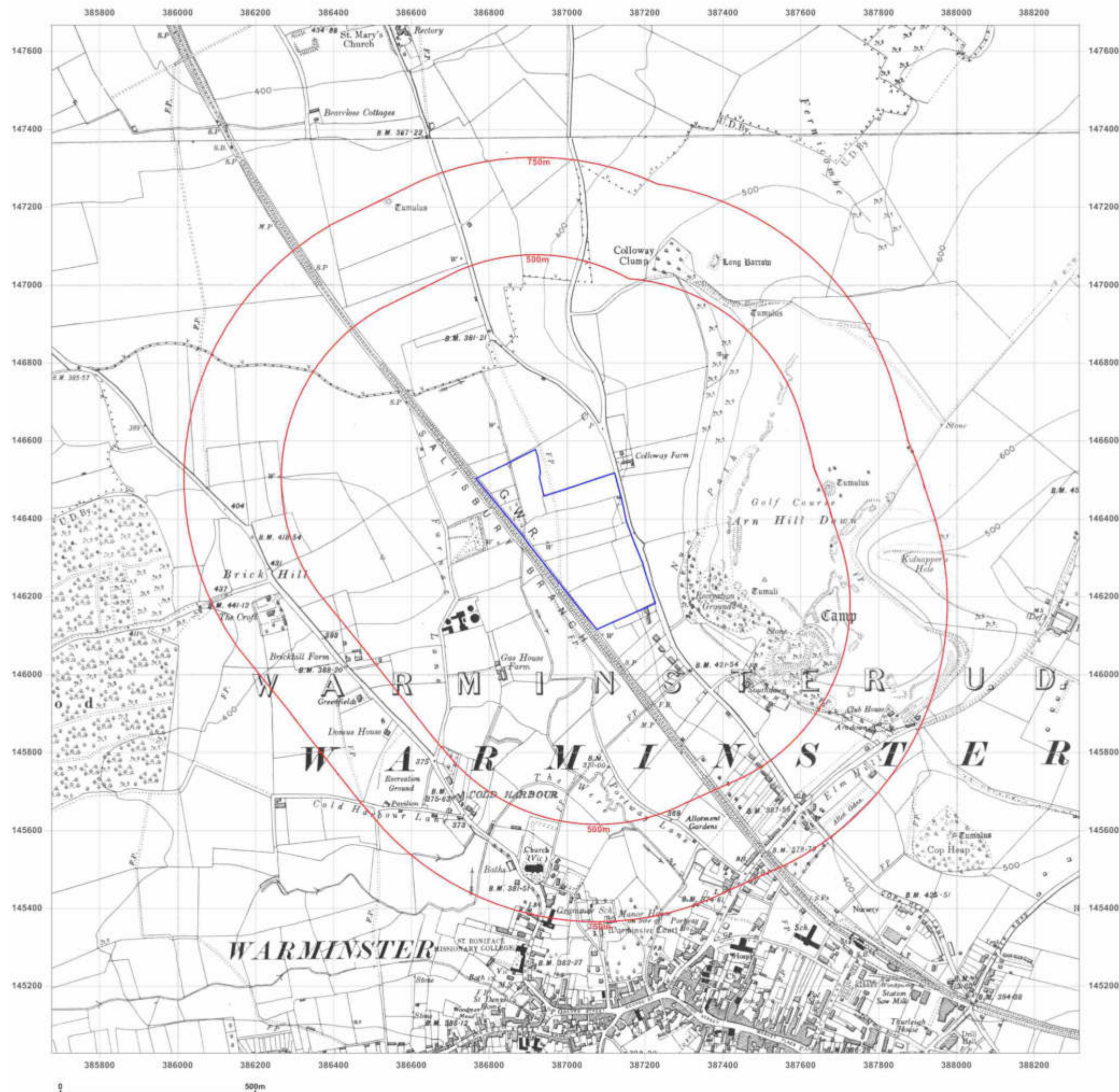


Supplied by:
www.emapsite.com
sales@emapsite.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 05 January 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



clarkebond

Site Details:

New Farm, Warminster, BA12
8RY

Client Ref: EMS_659518_870208
Report Ref: EMS-CB-659518_870208
Grid Ref: 386995, 146347

Map Name: Provisional

Map date: 1956

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1956
Revised 1956
Edition N/A
Copyright N/A
Levelled N/A



Produced by
Groundsure Insights
www.groundsure.com

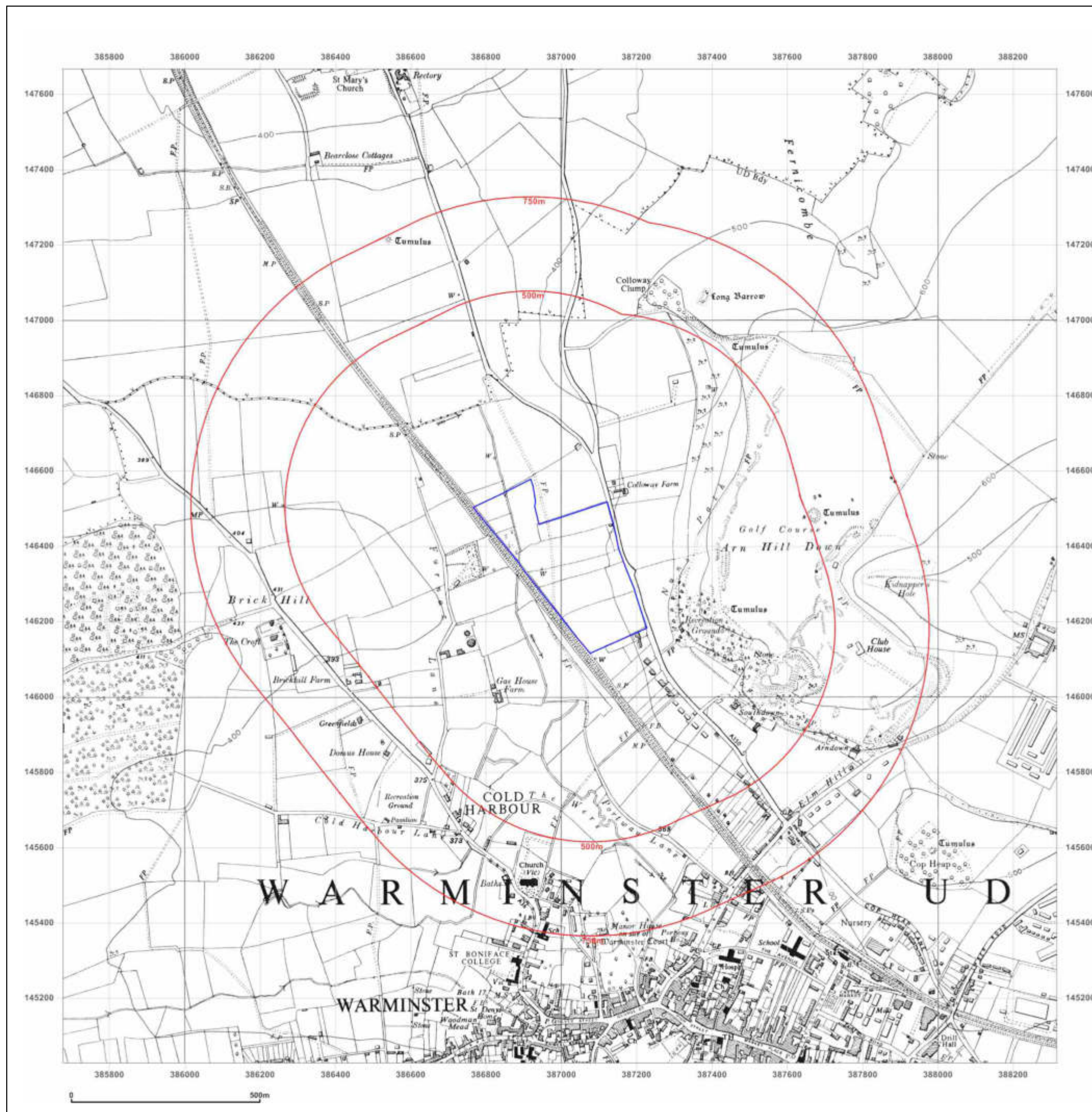


Supplied by:
www.emapsite.com
sales@emapsite.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 05 January 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



clarkebond

Site Details:

New Farm, Warminster, BA12 8RY

Client Ref: EMS_659518_870208
Report Ref: EMS-CB-659518_870208
Grid Ref: 386995, 146347

Map Name: National Grid

Map date: 1973

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1972
Revised 1973
Edition N/A
Copyright 1973
Levelled N/A



Produced by
Groundsure Insights
www.groundsure.com

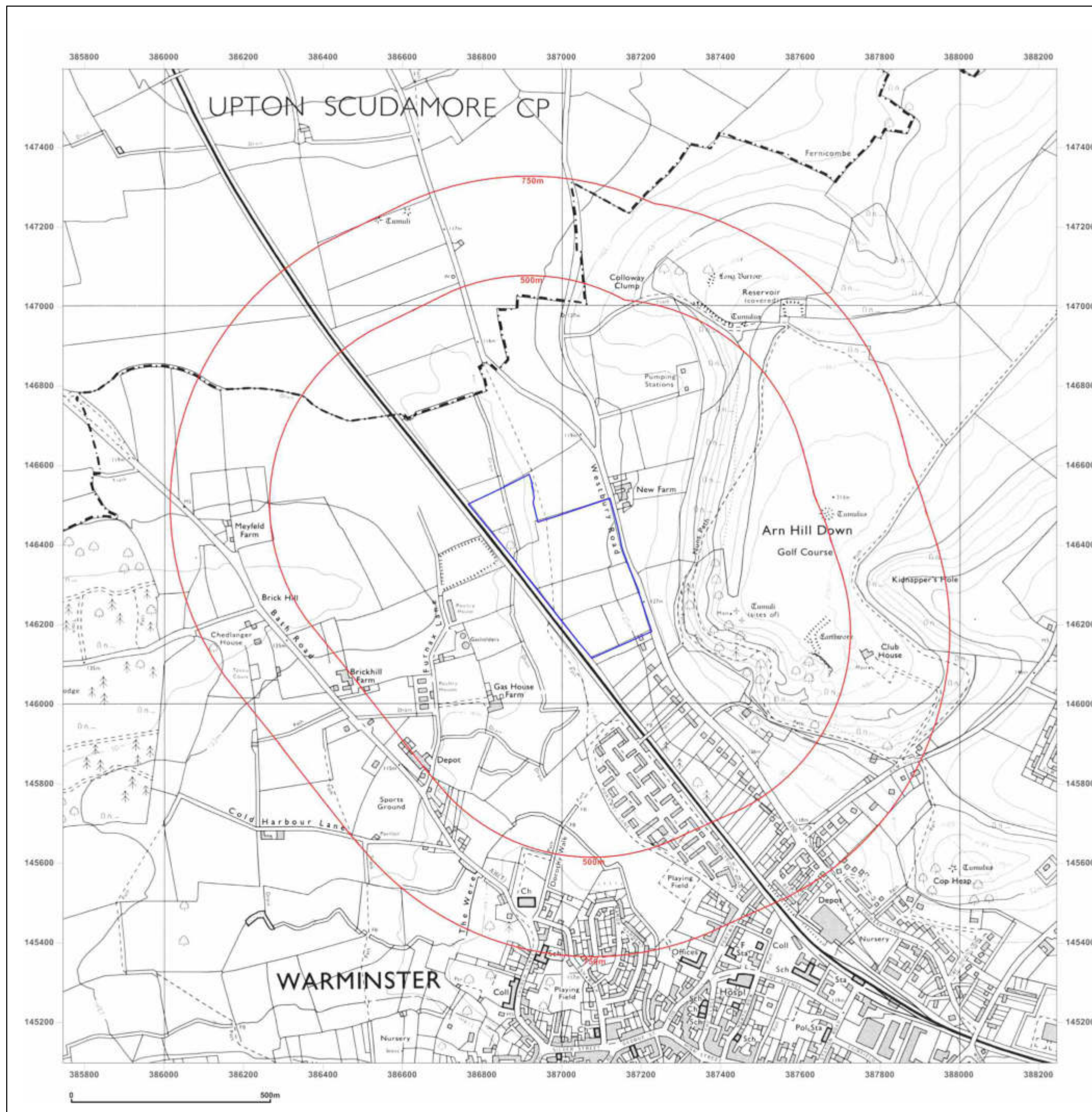


Supplied by:
www.emapsite.com
sales@emapsite.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 05 January 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



clarkebond

Site Details:

New Farm, Warminster, BA12
8RY

Client Ref: EMS_659518_870208
Report Ref: EMS-CB-659518_870208
Grid Ref: 386995, 146347

Map Name: National Grid

Map date: 1973

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1972
Revised 1973
Edition N/A
Copyright 1973
Levelled N/A



Produced by
Groundsure Insights
www.groundsure.com

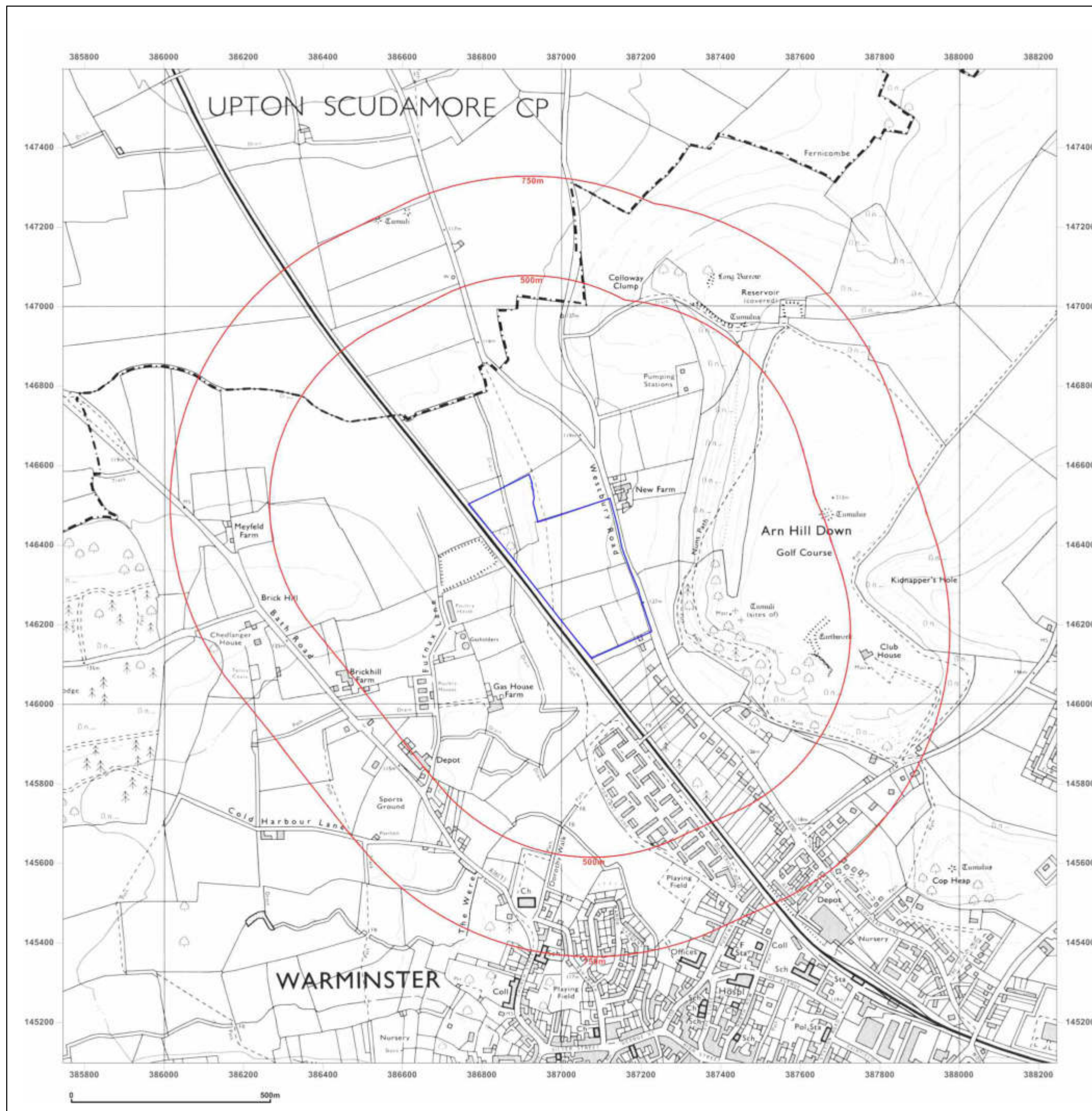


Supplied by:
www.emapsite.com
sales@emapsite.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 05 January 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



clarkebond

Site Details:

New Farm, Warminster, BA12
8RY

Client Ref: EMS_659518_870208
Report Ref: EMS-CB-659518_870208
Grid Ref: 386995, 146347

Map Name: National Grid

Map date: 1992

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1972
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A



Produced by
Groundsure Insights
www.groundsure.com

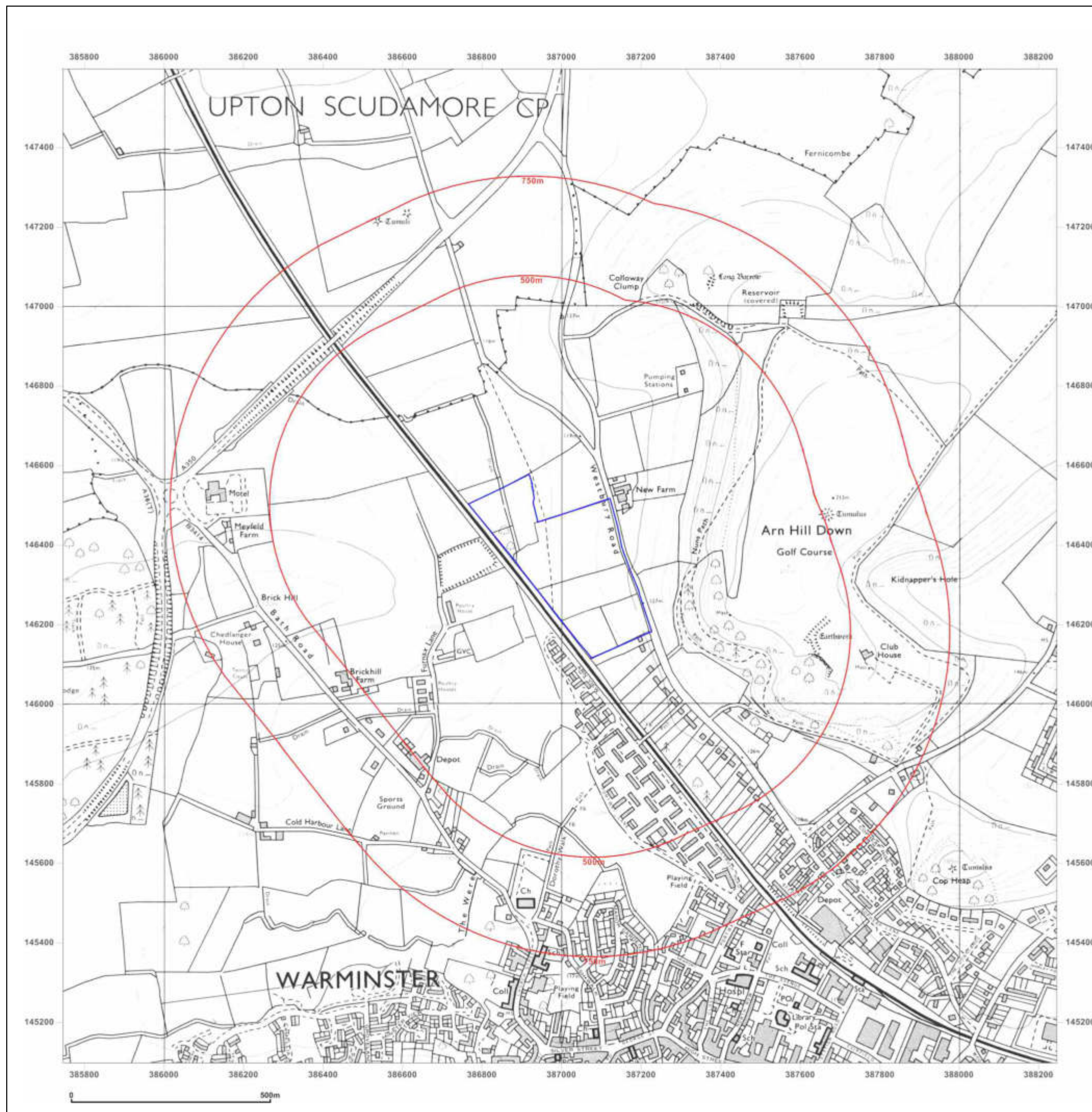


Supplied by:
www.emapsite.com
sales@emapsite.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 05 January 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



clarkebond

Site Details:

New Farm, Warminster, BA12
8RY

Client Ref: EMS_659518_870208
Report Ref: EMS-CB-659518_870208
Grid Ref: 386995, 146347

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



2001



Produced by
Groundsure Insights
www.groundsure.com

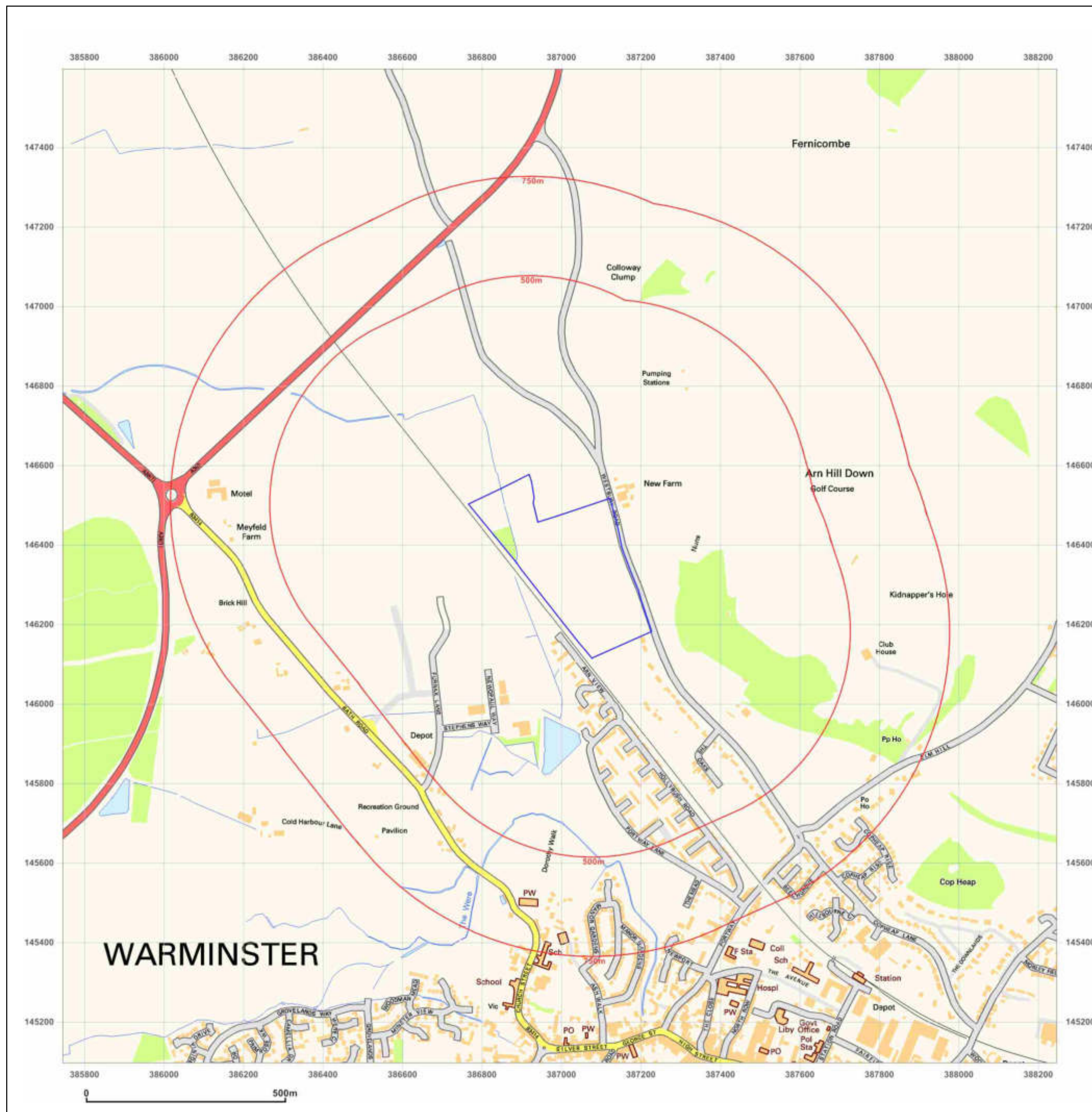


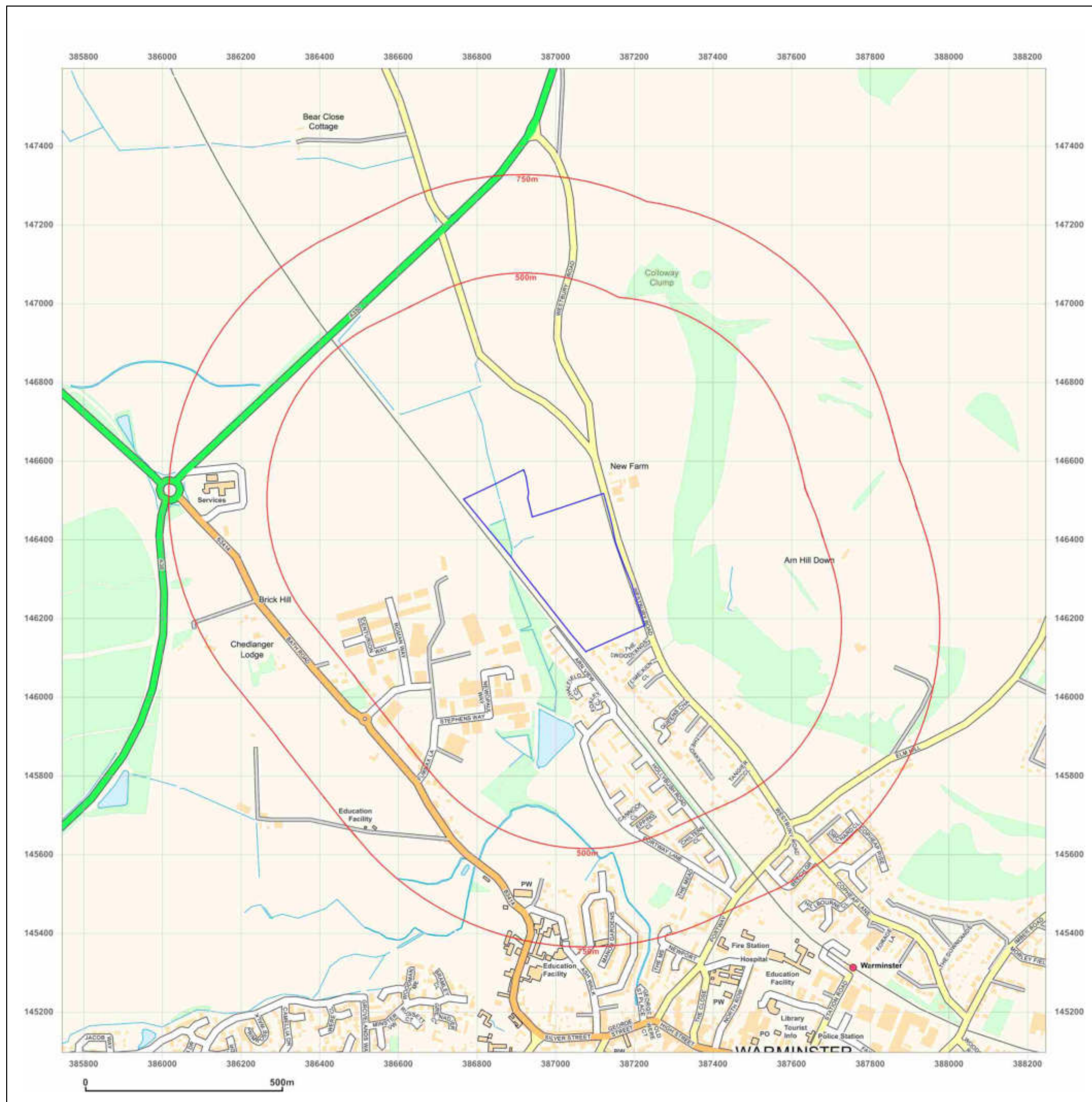
Supplied by:
www.emapsite.com
sales@emapsite.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 05 January 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf





clarkebond

Site Details:

New Farm, Warminster, BA12
8RY

Client Ref: EMS_659518_870208
Report Ref: EMS-CB-659518_870208
Grid Ref: 386995, 146347

Map Name:	National Grid
------------------	---------------

Map date: 2021

Scale: 1:10,000

Printed at: 1:10,000



2021



Produced by
Groundsure Insights
www.groundsure.com



Supplied by:
www.emapsite.com
sales@emapsite.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 05 January 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf

C Groundsure Report

New Farm, Warminster, BA12 8RY,

Order Details

Date: 05/01/2021
Your ref: EMS_659518_870209
Our Ref: EMS-CB-659518_870209
Client: Clarkebond (UK) Limited

Site Details

Location: 387022 146350
Area: 9.93 ha
Authority: [Wiltshire Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.12

groundsure.com/insightuserguide

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
<u>13</u>	<u>1.1</u>	<u>Historical industrial land uses</u>	0	2	23	35	-
<u>16</u>	<u>1.2</u>	<u>Historical tanks</u>	0	0	6	4	-
<u>17</u>	<u>1.3</u>	<u>Historical energy features</u>	0	1	4	5	-
17	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
18	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
<u>19</u>	<u>2.1</u>	<u>Historical industrial land uses</u>	0	3	30	41	-
<u>22</u>	<u>2.2</u>	<u>Historical tanks</u>	0	0	9	6	-
<u>23</u>	<u>2.3</u>	<u>Historical energy features</u>	0	1	7	9	-
24	2.4	Historical petrol stations	0	0	0	0	-
24	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
25	3.1	Active or recent landfill	0	0	0	0	-
25	3.2	Historical landfill (BGS records)	0	0	0	0	-
26	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
<u>26</u>	<u>3.4</u>	<u>Historical landfill (EA/NRW records)</u>	0	0	1	0	-
<u>26</u>	<u>3.5</u>	<u>Historical waste sites</u>	0	0	0	1	-
<u>27</u>	<u>3.6</u>	<u>Licensed waste sites</u>	0	0	4	0	-
<u>28</u>	<u>3.7</u>	<u>Waste exemptions</u>	0	0	3	3	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<u>30</u>	<u>4.1</u>	<u>Recent industrial land uses</u>	0	1	8	-	-
31	4.2	Current or recent petrol stations	0	0	0	0	-
31	4.3	Electricity cables	0	0	0	0	-
32	4.4	Gas pipelines	0	0	0	0	-
<u>32</u>	<u>4.5</u>	<u>Sites determined as Contaminated Land</u>	0	0	1	0	-



32	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
32	4.7	Regulated explosive sites	0	0	0	0	-
33	4.8	Hazardous substance storage/usage	0	0	0	0	-
33	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
33	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
33	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	0	2	-
34	4.12	Radioactive Substance Authorisations	0	0	0	0	-
34	4.13	<u>Licensed Discharges to controlled waters</u>	0	2	6	3	-
36	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
36	4.15	Pollutant release to public sewer	0	0	0	0	-
36	4.16	List 1 Dangerous Substances	0	0	0	0	-
36	4.17	List 2 Dangerous Substances	0	0	0	0	-
36	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-
37	4.19	Pollution inventory substances	0	0	0	0	-
37	4.20	Pollution inventory waste transfers	0	0	0	0	-
37	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
38	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
40	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
41	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
42	5.4	<u>Groundwater vulnerability- soluble rock risk</u>	Identified (within 0m)				
43	5.5	<u>Groundwater vulnerability- local information</u>	Identified (within 0m)				
44	5.6	<u>Groundwater abstractions</u>	0	0	0	6	9
48	5.7	<u>Surface water abstractions</u>	0	0	0	0	2
48	5.8	<u>Potable abstractions</u>	0	0	0	6	8
51	5.9	<u>Source Protection Zones</u>	1	1	0	1	-
52	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
53	6.1	<u>Water Network (OS MasterMap)</u>	7	0	15	-	-



55	6.2	<u>Surface water features</u>	1	1	11	-	-
56	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
56	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
56	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
58	7.1	<u>Risk of Flooding from Rivers and Sea (RoFRaS)</u>	High (within 50m)				
59	7.2	Historical Flood Events	0	0	0	-	-
59	7.3	Flood Defences	0	0	0	-	-
59	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
59	7.5	Flood Storage Areas	0	0	0	-	-
60	7.6	<u>Flood Zone 2</u>	Identified (within 50m)				
61	7.7	<u>Flood Zone 3</u>	Identified (within 50m)				
Page	Section	Surface water flooding					
62	8.1	<u>Surface water flooding</u>	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
64	9.1	<u>Groundwater flooding</u>	High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
65	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	0	0	2
66	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
66	10.3	<u>Special Areas of Conservation (SAC)</u>	0	0	0	0	1
67	10.4	<u>Special Protection Areas (SPA)</u>	0	0	0	0	1
67	10.5	National Nature Reserves (NNR)	0	0	0	0	0
67	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	1
68	10.7	<u>Designated Ancient Woodland</u>	0	0	0	0	4
68	10.8	Biosphere Reserves	0	0	0	0	0
68	10.9	Forest Parks	0	0	0	0	0
69	10.10	Marine Conservation Zones	0	0	0	0	0
69	10.11	Green Belt	0	0	0	0	0
69	10.12	Proposed Ramsar sites	0	0	0	0	0

69	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
69	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
70	10.15	Nitrate Sensitive Areas	0	0	0	0	0
70	10.16	<u>Nitrate Vulnerable Zones</u>	1	0	1	0	0
71	10.17	<u>SSSI Impact Risk Zones</u>	3	-	-	-	-
73	10.18	<u>SSSI Units</u>	0	0	0	0	3
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
76	11.1	World Heritage Sites	0	0	0	-	-
76	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
76	11.3	National Parks	0	0	0	-	-
76	11.4	Listed Buildings	0	0	0	-	-
77	11.5	Conservation Areas	0	0	0	-	-
77	11.6	Scheduled Ancient Monuments	0	0	0	-	-
77	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
78	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
80	12.2	<u>Open Access Land</u>	0	0	1	-	-
80	12.3	Tree Felling Licences	0	0	0	-	-
80	12.4	<u>Environmental Stewardship Schemes</u>	0	1	0	-	-
81	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
82	13.1	<u>Priority Habitat Inventory</u>	0	1	7	-	-
83	13.2	<u>Habitat Networks</u>	2	0	4	-	-
83	13.3	Open Mosaic Habitat	0	0	0	-	-
84	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
85	14.1	<u>10k Availability</u>	Identified (within 500m)				
86	14.2	Artificial and made ground (10k)	0	0	0	0	-
87	14.3	<u>Superficial geology (10k)</u>	1	0	0	1	-

88	14.4	Landslip (10k)	0	0	0	0	-
89	14.5	<u>Bedrock geology (10k)</u>	2	0	4	2	-
90	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
91	15.1	<u>50k Availability</u>	Identified (within 500m)				
92	15.2	Artificial and made ground (50k)	0	0	0	0	-
92	15.3	Artificial ground permeability (50k)	0	0	-	-	-
93	15.4	<u>Superficial geology (50k)</u>	1	0	0	1	-
94	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
94	15.6	Landslip (50k)	0	0	0	0	-
94	15.7	Landslip permeability (50k)	None (within 50m)				
95	15.8	<u>Bedrock geology (50k)</u>	1	0	4	2	-
96	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
96	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
97	16.1	<u>BGS Boreholes</u>	0	1	4	-	-
Page	Section	Natural ground subsidence					
99	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
100	17.2	<u>Running sands</u>	Low (within 50m)				
102	17.3	<u>Compressible deposits</u>	Moderate (within 50m)				
104	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
105	17.5	<u>Landslides</u>	Very low (within 50m)				
107	17.6	<u>Ground dissolution of soluble rocks</u>	Very low (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
109	18.1	Natural cavities	0	0	0	0	-
110	18.2	<u>BritPits</u>	0	0	0	2	-
110	18.3	<u>Surface ground workings</u>	0	3	14	-	-
111	18.4	Underground workings	0	0	0	0	0
111	18.5	Historical Mineral Planning Areas	0	0	0	0	-



<u>112</u>	<u>18.6</u>	<u>Non-coal mining</u>	1	0	0	0	0
112	18.7	Mining cavities	0	0	0	0	0
112	18.8	JPB mining areas	None (within 0m)				
112	18.9	Coal mining	None (within 0m)				
113	18.10	Brine areas	None (within 0m)				
113	18.11	Gypsum areas	None (within 0m)				
113	18.12	Tin mining	None (within 0m)				
113	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>114</u>	<u>19.1</u>	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>115</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	8	1	-	-	-
115	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
116	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
117	21.1	Underground railways (London)	0	0	0	-	-
117	21.2	Underground railways (Non-London)	0	0	0	-	-
118	21.3	Railway tunnels	0	0	0	-	-
118	21.4	Historical railway and tunnel features	0	0	0	-	-
118	21.5	Royal Mail tunnels	0	0	0	-	-
118	21.6	Historical railways	0	0	0	-	-
<u>118</u>	<u>21.7</u>	<u>Railways</u>	0	3	2	-	-
119	21.8	Crossrail 1	0	0	0	0	-
119	21.9	Crossrail 2	0	0	0	0	-
119	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2021. All Rights Reserved.

Capture Date: 28/08/2017

Site Area: 9.93ha



Recent site history - 2014 aerial photograph



Capture Date: 18/05/2014

Site Area: 9.93ha



Recent site history - 2005 aerial photograph



Capture Date: 27/10/2005

Site Area: 9.93ha



Recent site history - 1999 aerial photograph

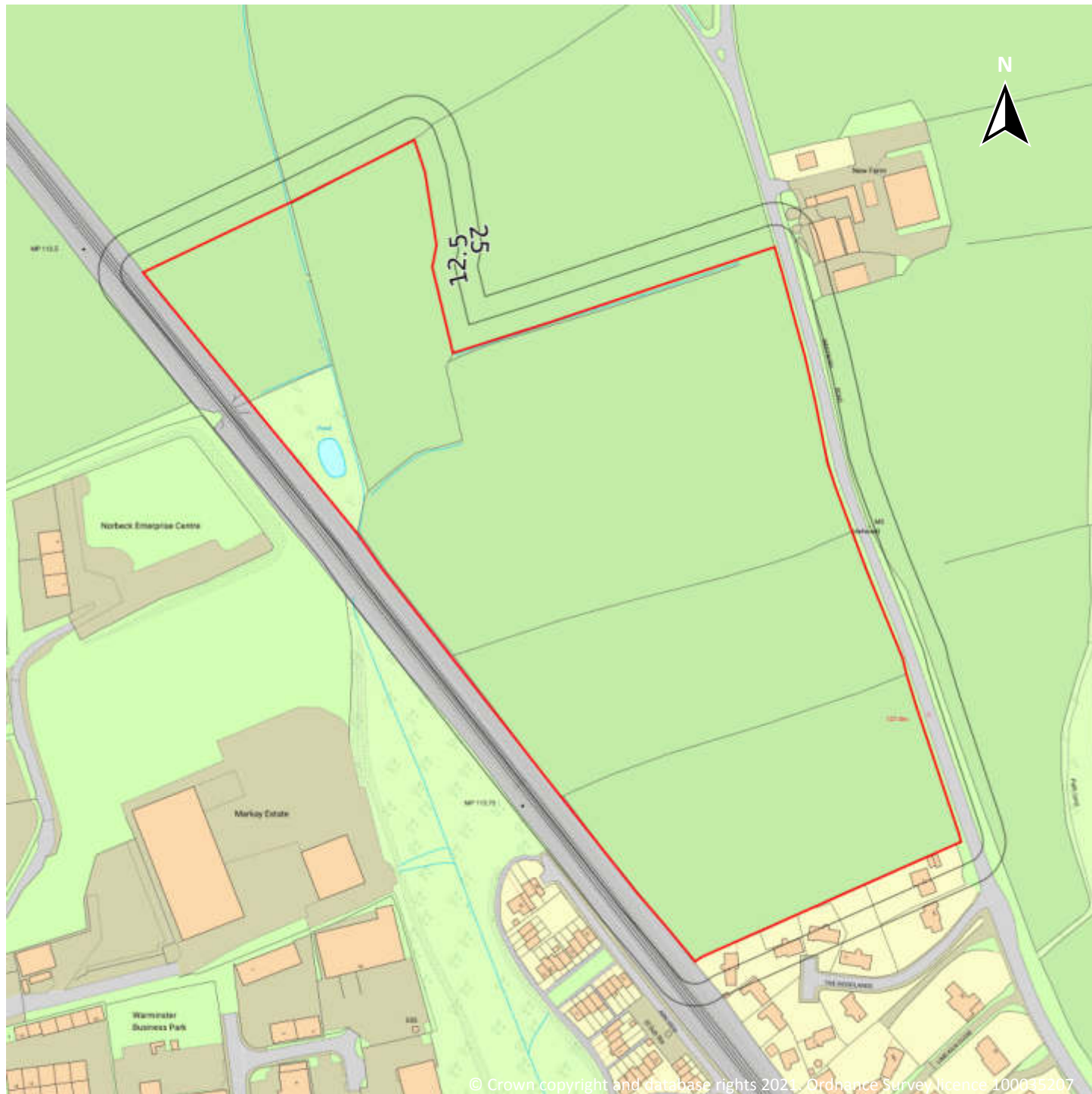


Capture Date: 04/09/1999

Site Area: 9.93ha



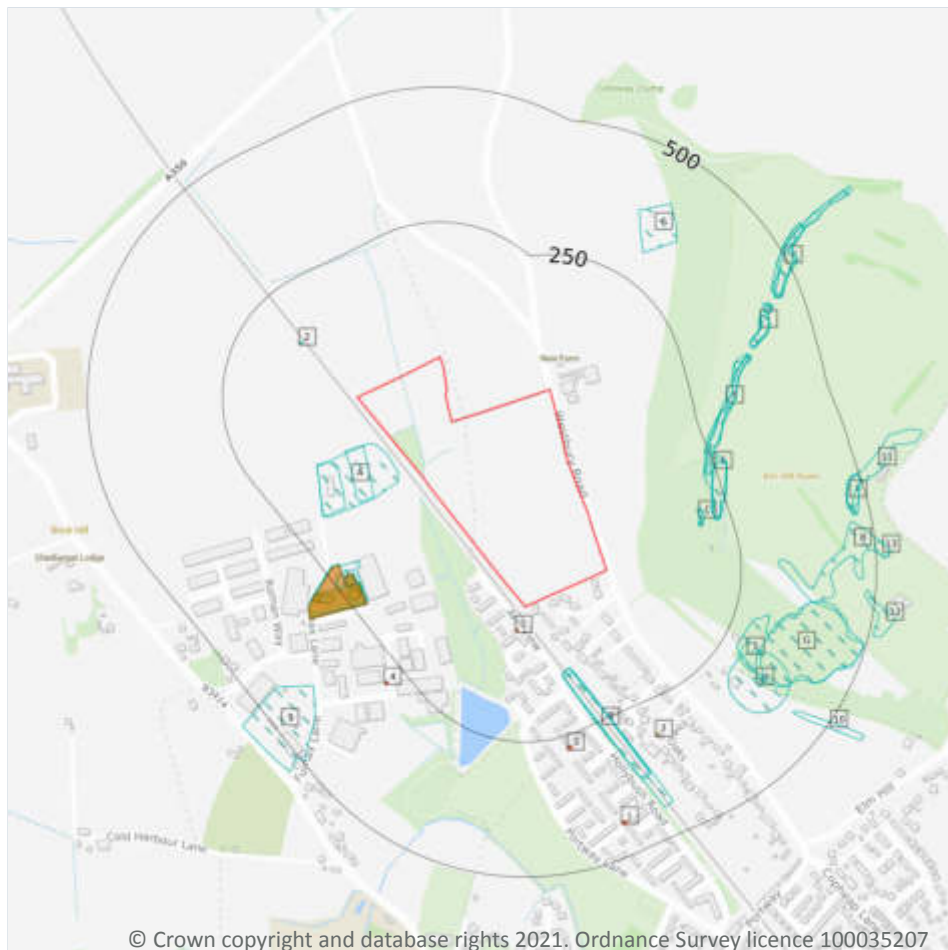
OS MasterMap site plan



Site Area: 9.93ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

1.1 Historical industrial land uses

Records within 500m

60

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
A	24m SW	Unspecified Heap	1973 - 1992	1242463



ID	Location	Land use	Dates present	Group ID
A	48m SW	Refuse Heap	1941 - 1956	1259615
A	110m SW	Refuse Heap	1923	1178623
B	137m SE	Cuttings	1956	1266976
B	137m SE	Cuttings	1941	1234653
2	143m NW	Railway Building	1886	1172840
B	146m SE	Cuttings	1886	1244439
C	188m E	Unspecified Ground Workings	1956	1229560
D	188m SW	Unspecified Commercial/Industrial	1941 - 1956	1259354
C	190m E	Unspecified Ground Workings	1941	1209054
C	190m E	Unspecified Ground Workings	1886	1211172
D	207m SW	Gas Valve Compound	1992	1171083
D	211m SW	Gas Works	1899 - 1923	1206809
D	212m SW	Gas Holders	1973	1167595
D	212m SW	Gas Works	1886	1219916
D	214m SW	Unspecified Tank	1941 - 1956	1239931
D	216m SW	Unspecified Tank	1941 - 1956	1237587
D	216m SW	Gasometer	1886 - 1923	1268398
E	219m E	Unspecified Old Quarries	1899	1166596
E	219m E	Unspecified Pits	1956	1167166
D	220m SW	Gas Holders	1973	1167596
E	221m E	Unspecified Ground Workings	1941	1190949
E	221m E	Unspecified Ground Workings	1886	1266544
E	228m E	Unspecified Ground Workings	1941	1235438
E	228m E	Unspecified Ground Workings	1886	1268816
F	252m E	Unspecified Pits	1956	1167167
E	256m E	Unspecified Pit	1886	1194468
E	256m E	Unspecified Pit	1941	1264385
D	266m SW	Gasometer	1886	1165615

ID	Location	Land use	Dates present	Group ID
G	278m SE	Unspecified Quarry	1886 - 1899	1265010
D	280m SW	Unspecified Tank	1941	1176563
D	280m SW	Gasometer	1886 - 1923	1217957
5	289m SE	Unspecified Heap	1886	1163901
H	293m SE	Disused Lime Kiln	1923	1184386
6	307m NE	Pumping Stations	1973 - 1992	1253091
F	308m E	Unspecified Ground Workings	1941	1161413
F	308m E	Unspecified Heap	1941	1163903
F	308m E	Unspecified Heaps	1886	1179643
8	319m E	Unspecified Ground Workings	1956	1161412
G	321m SE	Unspecified Quarry	1956	1211441
H	338m SE	Lime Kiln	1886 - 1899	1254375
H	348m SE	Unspecified Tanks	1886	1168873
I	379m E	Unspecified Old Quarries	1899	1166598
I	380m E	Unspecified Pit	1956	1223814
I	380m E	Unspecified Pit	1941	1220074
I	380m E	Unspecified Pit	1886	1259410
9	397m SW	Unspecified Depot	1973 - 1992	1257071
I	423m E	Unspecified Pit	1956	1192753
I	425m E	Unspecified Pit	1886	1235726
I	425m E	Unspecified Pit	1941	1247567
10	434m SE	Unspecified Ground Workings	1899	1161415
K	449m NE	Unspecified Pit	1956	1191626
K	450m NE	Unspecified Pit	1886	1251621
K	452m NE	Unspecified Old Quarries	1899	1166592
K	454m NE	Unspecified Pit	1941	1219569
L	462m E	Unspecified Pits	1956	1167168
11	463m E	Unspecified Old Quarries	1899	1166599

ID	Location	Land use	Dates present	Group ID
L	464m E	Unspecified Ground Workings	1941	1161411
12	482m E	Unspecified Heaps	1956	1179644
13	497m E	Unspecified Heap	1899	1163902

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

10

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 ungrouped 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
D	212m SW	Gas Holders	1970	178135
D	214m SW	Gas Works	1887 - 1901	186272
D	215m SW	Gas Works	1924	182254
D	217m SW	Unspecified Tank	1941	177497
D	222m SW	Unspecified Tank	1941	177498
D	222m SW	Gasometer	1887 - 1924	193415
D	266m SW	Gasometers	1887	170939
D	286m SW	Unspecified Tank	1901 - 1941	185745
7	313m SE	Unspecified Tank	1966	177499
H	352m SE	Unspecified Tank	1966	177505

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

10

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 ungrouped 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	43m S	Electricity Substation	1996	99009
D	212m SW	Gas Holders	1970	99986
D	214m SW	Gas Works	1887 - 1901	105527
D	215m SW	Gas Works	1924	106709
D	222m SW	Gasometer	1887 - 1924	109404
D	266m SW	Gasometers	1887	99293
3	270m S	Electricity Substation	1972 - 1989	113775
4	283m SW	Electricity Substation	1994 - 1995	105669
J	436m SE	Electricity Substation	1982 - 1989	109124
J	438m SE	Electricity Substation	1972	113734

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 ungrouped 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

0

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 ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

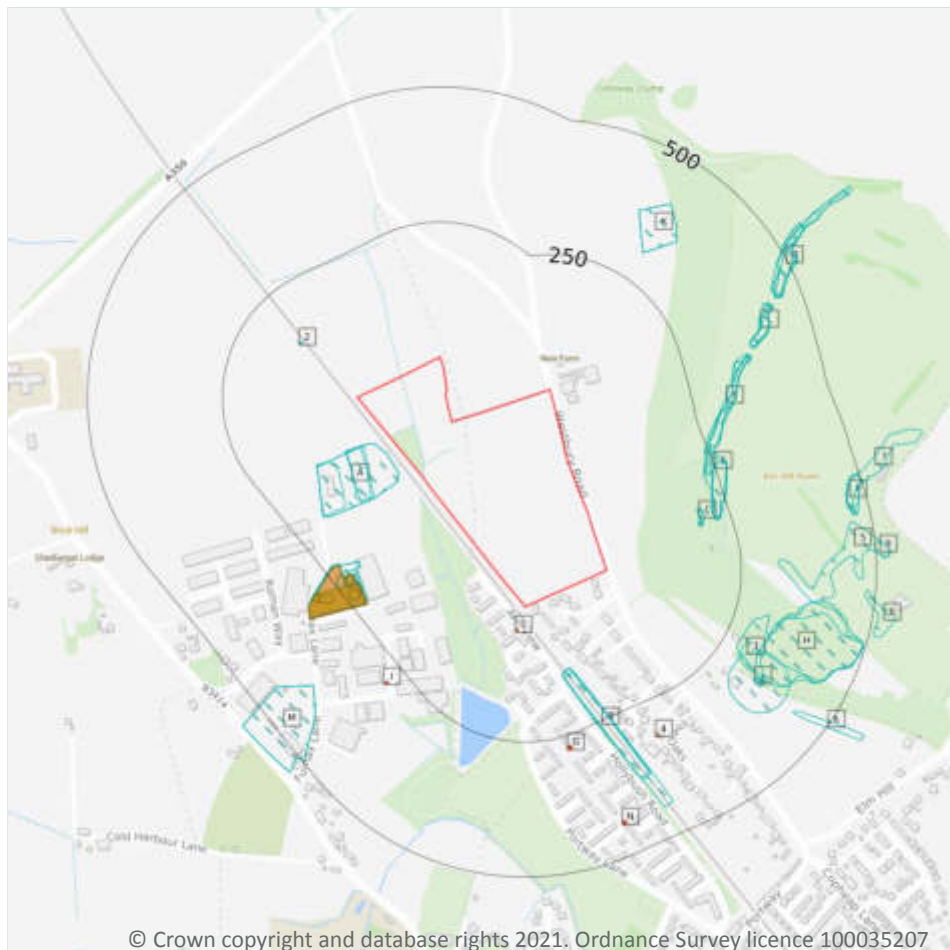
Records within 500m

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

2.1 Historical industrial land uses

Records within 500m

74

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 19**

ID	Location	Land Use	Date	Group ID
A	24m SW	Unspecified Heap	1992	1242463
A	24m SW	Unspecified Heap	1973	1242463
A	48m SW	Refuse Heap	1941	1259615



ID	Location	Land Use	Date	Group ID
A	55m SW	Refuse Heap	1956	1259615
A	110m SW	Refuse Heap	1923	1178623
B	137m SE	Cuttings	1956	1266976
B	137m SE	Cuttings	1941	1234653
2	143m NW	Railway Building	1886	1172840
B	146m SE	Cuttings	1886	1244439
C	188m E	Unspecified Ground Workings	1956	1229560
D	188m SW	Unspecified Commercial/Industrial	1941	1259354
D	189m SW	Unspecified Commercial/Industrial	1956	1259354
C	190m E	Unspecified Ground Workings	1941	1209054
C	190m E	Unspecified Ground Workings	1886	1211172
D	207m SW	Gas Valve Compound	1992	1171083
D	211m SW	Gas Works	1899	1206809
D	211m SW	Gas Works	1923	1206809
D	212m SW	Gas Holders	1973	1167595
D	212m SW	Gas Works	1886	1219916
D	214m SW	Unspecified Tank	1941	1239931
D	215m SW	Unspecified Tank	1956	1239931
D	216m SW	Unspecified Tank	1941	1237587
D	216m SW	Gasometer	1886	1268398
D	216m SW	Gasometer	1899	1268398
D	216m SW	Gasometer	1923	1268398
D	218m SW	Unspecified Tank	1956	1237587
E	219m E	Unspecified Old Quarries	1899	1166596
E	219m E	Unspecified Pits	1956	1167166
D	220m SW	Gas Holders	1973	1167596
E	221m E	Unspecified Ground Workings	1941	1190949
E	221m E	Unspecified Ground Workings	1886	1266544



ID	Location	Land Use	Date	Group ID
E	228m E	Unspecified Ground Workings	1941	1235438
E	228m E	Unspecified Ground Workings	1886	1268816
F	252m E	Unspecified Pits	1956	1167167
E	256m E	Unspecified Pit	1941	1264385
E	256m E	Unspecified Pit	1886	1194468
D	266m SW	Gasometer	1886	1165615
H	278m SE	Unspecified Quarry	1899	1265010
D	280m SW	Unspecified Tank	1941	1176563
D	280m SW	Gasometer	1886	1217957
D	280m SW	Gasometer	1899	1217957
D	280m SW	Gasometer	1923	1217957
3	289m SE	Unspecified Heap	1886	1163901
J	293m SE	Disused Lime Kiln	1923	1184386
K	307m NE	Pumping Stations	1992	1253091
K	307m NE	Pumping Stations	1973	1253091
F	308m E	Unspecified Ground Workings	1941	1161413
F	308m E	Unspecified Heap	1941	1163903
F	308m E	Unspecified Heaps	1886	1179643
5	319m E	Unspecified Ground Workings	1956	1161412
H	321m SE	Unspecified Quarry	1956	1211441
H	324m SE	Unspecified Quarry	1886	1265010
J	338m SE	Lime Kiln	1899	1254375
J	340m SE	Lime Kiln	1886	1254375
J	348m SE	Unspecified Tanks	1886	1168873
L	379m E	Unspecified Old Quarries	1899	1166598
L	380m E	Unspecified Pit	1956	1223814
L	380m E	Unspecified Pit	1941	1220074
L	380m E	Unspecified Pit	1886	1259410

ID	Location	Land Use	Date	Group ID
M	397m SW	Unspecified Depot	1992	1257071
M	397m SW	Unspecified Depot	1973	1257071
L	423m E	Unspecified Pit	1956	1192753
L	425m E	Unspecified Pit	1941	1247567
L	425m E	Unspecified Pit	1886	1235726
6	434m SE	Unspecified Ground Workings	1899	1161415
O	449m NE	Unspecified Pit	1956	1191626
O	450m NE	Unspecified Pit	1886	1251621
O	452m NE	Unspecified Old Quarries	1899	1166592
O	454m NE	Unspecified Pit	1941	1219569
P	462m E	Unspecified Pits	1956	1167168
7	463m E	Unspecified Old Quarries	1899	1166599
P	464m E	Unspecified Ground Workings	1941	1161411
8	482m E	Unspecified Heaps	1956	1179644
9	497m E	Unspecified Heap	1899	1163902

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

15

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 19**

ID	Location	Land Use	Date	Group ID
D	212m SW	Gas Holders	1970	178135
D	214m SW	Gas Works	1887	186272
D	214m SW	Gas Works	1901	186272
D	215m SW	Gas Works	1924	182254
D	217m SW	Unspecified Tank	1941	177497



ID	Location	Land Use	Date	Group ID
D	222m SW	Gasometer	1887	193415
D	222m SW	Gasometer	1901	193415
D	222m SW	Gasometer	1924	193415
D	222m SW	Unspecified Tank	1941	177498
D	266m SW	Gasometers	1887	170939
D	286m SW	Unspecified Tank	1901	185745
D	286m SW	Unspecified Tank	1924	185745
D	286m SW	Unspecified Tank	1941	185745
4	313m SE	Unspecified Tank	1966	177499
J	352m SE	Unspecified Tank	1966	177505

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

17

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 19**

ID	Location	Land Use	Date	Group ID
1	43m S	Electricity Substation	1996	99009
D	212m SW	Gas Holders	1970	99986
D	214m SW	Gas Works	1887	105527
D	214m SW	Gas Works	1901	105527
D	215m SW	Gas Works	1924	106709
D	222m SW	Gasometer	1887	109404
D	222m SW	Gasometer	1901	109404
D	222m SW	Gasometer	1924	109404
D	266m SW	Gasometers	1887	99293
G	270m S	Electricity Substation	1982	113775



ID	Location	Land Use	Date	Group ID
G	271m S	Electricity Substation	1989	113775
G	272m S	Electricity Substation	1972	113775
I	283m SW	Electricity Substation	1995	105669
I	286m SW	Electricity Substation	1994	105669
N	436m SE	Electricity Substation	1982	109124
N	437m SE	Electricity Substation	1989	109124
N	438m SE	Electricity Substation	1972	113734

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

0

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'.

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

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 25**

ID	Location	Details		
3	219m S	Site Address: Partway Lane Tip, Warminster, Wiltshire Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Warminster Urban District Council Licence Holder: - First Recorded 30/06/1965 Last Recorded: -

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

3.5 Historical waste sites

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 25**

ID	Location	Address	Further Details	Date
5	474m SW	Site Address: Bath Road, WARMINSTER, Wiltshire, BA12	Type of Site: Recycling Centre Planning application reference: 08/09022/WCM Description: Scheme comprises change of use of part of county council highways depot to relocate the household waste recycling centre with ancillary developments including access and office/stores. An application (ref: 08/09022/WCM) for detailed planning permission was granted by West Wiltshire D.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	28/06/2009

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

3.6 Licensed waste sites

Records within 500m	4
----------------------------	----------

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

Features are displayed on the Waste and landfill map on **page 25**

ID	Location	Details		
2	218m NW	Site Name: Twyford House Site Address: Twyford House, Garner Street, Cliffe Vale, Stoke On Trent, Staffordshire, ST4 7AS Correspondence Address: -	Type of Site: 75kte HCI Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOR184 EPR reference: EA/EPR/QB3130AJ/A001 Operator: A Morrey Distribution Limited Waste Management licence No: 400272 Annual Tonnage: 74999	Issue Date: 18/06/2013 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked

ID	Location	Details		
B	239m SW	Site Name: Furnax Lane B H W S Site Address: Warminster B H W S, Furnax Lane, Warminster, Wilts Correspondence Address: Ailesbury Court, High Street, Marlborough, Wilts, SN8 1AA	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HIL008 EPR reference: - Operator: Hills Minerals & Waste Ltd Waste Management licence No: 23642 Annual Tonnage: 25000	Issue Date: 28/03/1996 Effective Date: 24/06/2000 Modified:: 01/07/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	239m SW	Site Name: Furnax Lane B H W S Site Address: Warminster B H W S, Furnax Lane, Warminster, Wiltshire Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HIL008 EPR reference: SP3193FY/V003 Operator: Hills Waste Solutions Ltd Waste Management licence No: 23642 Annual Tonnage: 25000	Issue Date: 28/03/1996 Effective Date: 24/06/2000 Modified:: 01/07/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	239m SW	Site Name: Furnax Lane B H W S Site Address: Warminster B H W S, Furnax Lane, Warminster, Wiltshir Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HIL008 EPR reference: EA/EPR/SP3193FY/S002 Operator: Hills Waste Solutions Ltd Waste Management licence No: 23642 Annual Tonnage: 321100	Issue Date: 28/03/1996 Effective Date: 24/06/2000 Modified:: 01/07/2002 Surrendered Date: May 27 2010 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m

6

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 25**



ID	Location	Site	Reference	Category	Sub-Category	Description
1	51m N	NEW FARM, WESTBURY ROAD, WARMINSTER, BA12 0AL	WEX236591	Using waste exemption	On a farm	Use of waste in construction
A	144m SW	1 NORBECK ENTERPRISE CENTRE, FURNAX LANE, WARMINSTER, BA12 8FT	WEX212644	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	144m SW	1 NORBECK ENTERPRISE CENTRE, FURNAX LANE, WARMINSTER, BA12 8FT	WEX212644	Using waste exemption	Not on a farm	Use of waste in construction
C	337m SW	1 Stephens Way WARMINSTER Wiltshire BA12 8SR	EPR/MF0104P R/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
C	337m SW	1 Stephens Way WARMINSTER Wiltshire BA12 8SR	EPR/MF0104P R/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
4	406m SW	Warminster Household Recycling centre, Furnax Lane, Warminster, BA12 8PE	WEX132344	Storing waste exemption	Not on a farm	Storage of waste in a secure place

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Sites determined as Contaminated Land
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters

4.1 Recent industrial land uses

Records within 250m

9

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 30**

ID	Location	Company	Address	Activity	Category
A	43m S	Electricity Sub Station	Wiltshire, BA12	Electrical Features	Infrastructure and Facilities
1	111m SW	Norbeck Enterprise Centre	Wiltshire, BA12	Business Parks and Industrial Estates	Industrial Features



ID	Location	Company	Address	Activity	Category
2	123m NW	Mast	Wiltshire, BA12	Telecommunications Features	Infrastructure and Facilities
C	148m SW	Electricity Sub Station	Wiltshire, BA12	Electrical Features	Infrastructure and Facilities
C	181m SW	Farleigh Masonry Ltd	2c Newopaul Way, Warminster Business Park, Warminster, Wiltshire, BA12 8RY	Stone Quarrying and Preparation	Extractive Industries
3	185m SW	E M W Maintenance	1, Newopaul Way, Warminster Business Park, Warminster, Wiltshire, BA12 8RY	Cutting, Drilling and Welding Services	Construction Services
5	203m E	Mast	Wiltshire, BA12	Telecommunications Features	Infrastructure and Facilities
C	224m SW	Spencer Lane Jones Ltd	4, Newopaul Way, Warminster Business Park, Warminster, Wiltshire, BA12 8RY	Vehicle Repair, Testing and Servicing	Repair and Servicing
6	244m SW	Polar Thermal Packaging Ltd	Unit B Roman Way, Warminster, Wiltshire, BA12 8SP	Packaging	Industrial Products

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

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

1

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

Features are displayed on the Current industrial land use map on **page 30**

ID	Location	Description	Site name	Category	Year identified
4	201m SW	High levels of hydrocarbons (tar) in the soil identified. Site used to be a gas works.	Former Warminster Gas Works, Furnax Lane, Warminster, BA12 8SJ. (More recently former HWRC site).	Contaminated Land/Special Site	2007

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 30**

ID	Location	Address	Details	
E	323m SW	Pinetum, Crusader Business Park, Roman Way, Warminster, BA12 8SJ	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
E	323m SW	Pinetum, Crusader Business Park, Roman Way, Warminster, BA12 8SJ	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

11

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 30**

ID	Location	Address	Details	
A	24m SE	NEW RESIDENTIAL DEVELOPMENT, REAR OF 25 & 27, WESTBURY ROAD, WARMINSTER, WILTSHIRE, BA12 0AW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 400879 Permit Version: 1 Receiving Water: SOAKAWAY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 10/04/2000 Effective Date: 10/04/2000 Revocation Date: 16/12/2012
A	24m SE	NEW RESIDENTIAL DEVELOPMENT, REAR OF 25 & 27, WESTBURY ROAD, WARMINSTER, WILTSHIRE, BA12 0AW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 400879 Permit Version: 2 Receiving Water: SOAKAWAY	Status: VARIED UNDER EPR 2010 Issue date: 17/12/2012 Effective Date: 17/12/2012 Revocation Date: -
B	103m SE	DEVELOPMENT AT 24 WESTBURY ROAD, WESTBURY ROAD, WARMINSTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 400961 Permit Version: 1 Receiving Water: SOAKAWAY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 18/07/2000 Effective Date: 18/07/2000 Revocation Date: 16/12/2012
B	103m SE	DEVELOPMENT AT 24 WESTBURY ROAD, WESTBURY ROAD, WARMINSTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 400961 Permit Version: 2 Receiving Water: SOAKAWAY	Status: VARIED UNDER EPR 2010 Issue date: 17/12/2012 Effective Date: 17/12/2012 Revocation Date: -



ID	Location	Address	Details	
B	132m SE	RICHMOND HOUSE, 23 WESTBURY ROAD, AND 1-5 REAR OF 23 WESTBURY ROAD, WARMINSTER, WILTSHIRE, BA12 0AW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: NPSWQD009915 Permit Version: 1 Receiving Water: GROUNDWATERS VIA A SOAKAWAY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 03/02/2010 Effective Date: 03/02/2010 Revocation Date: 16/12/2012
B	132m SE	RICHMOND HOUSE, 23 WESTBURY ROAD, AND 1-5 REAR OF 23 WESTBURY ROAD, WARMINSTER, WILTSHIRE, BA12 0AW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: NPSWQD009915 Permit Version: 2 Receiving Water: GROUNDWATERS VIA A SOAKAWAY	Status: VARIED UNDER EPR 2010 Issue date: 17/12/2012 Effective Date: 17/12/2012 Revocation Date: -
D	174m SE	3 DWELLINGS AT 22 WESTBURY ROAD, WARMINSTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 400015/PA/01 Permit Version: 1 Receiving Water: SOAKAWAY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 19/06/1997 Effective Date: 19/06/1997 Revocation Date: 16/12/2012
D	174m SE	3 DWELLINGS AT 22 WESTBURY ROAD, WARMINSTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 400015/PA/01 Permit Version: 2 Receiving Water: SOAKAWAY	Status: VARIED UNDER EPR 2010 Issue date: 17/12/2012 Effective Date: 17/12/2012 Revocation Date: -
F	328m SE	SITE TO THE REAR OF 16 WESTBURY RD, WARMINSTER, WILTSHIRE, BA12 0AN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 400845 Permit Version: 1 Receiving Water: SOAKAWAY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 19/01/2000 Effective Date: 03/12/1999 Revocation Date: 16/12/2012
F	328m SE	SITE TO THE REAR OF 16 WESTBURY RD, WARMINSTER, WILTSHIRE, BA12 0AN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 400845 Permit Version: 2 Receiving Water: SOAKAWAY	Status: VARIED UNDER EPR 2010 Issue date: 17/12/2012 Effective Date: 17/12/2012 Revocation Date: -
7	369m SE	NO 1 THE OAKS, OFF WESTBURY ROAD, WARMINSTER, WILTSHIRE, BA12 0AN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 043219 Permit Version: 1 Receiving Water: DISCHARGE TO SOAKAWAY	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 04/12/1995 Effective Date: 28/11/1995 Revocation Date: 01/10/1996

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**0**

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

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

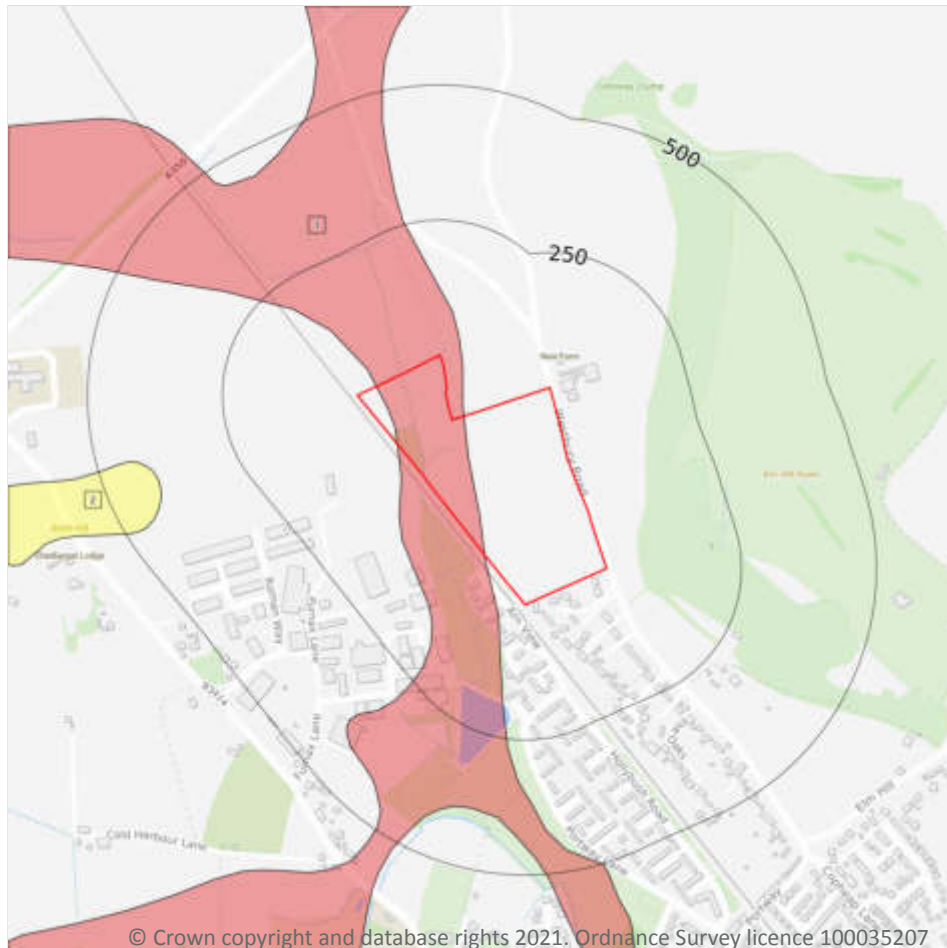
Records within 500m

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



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 38**

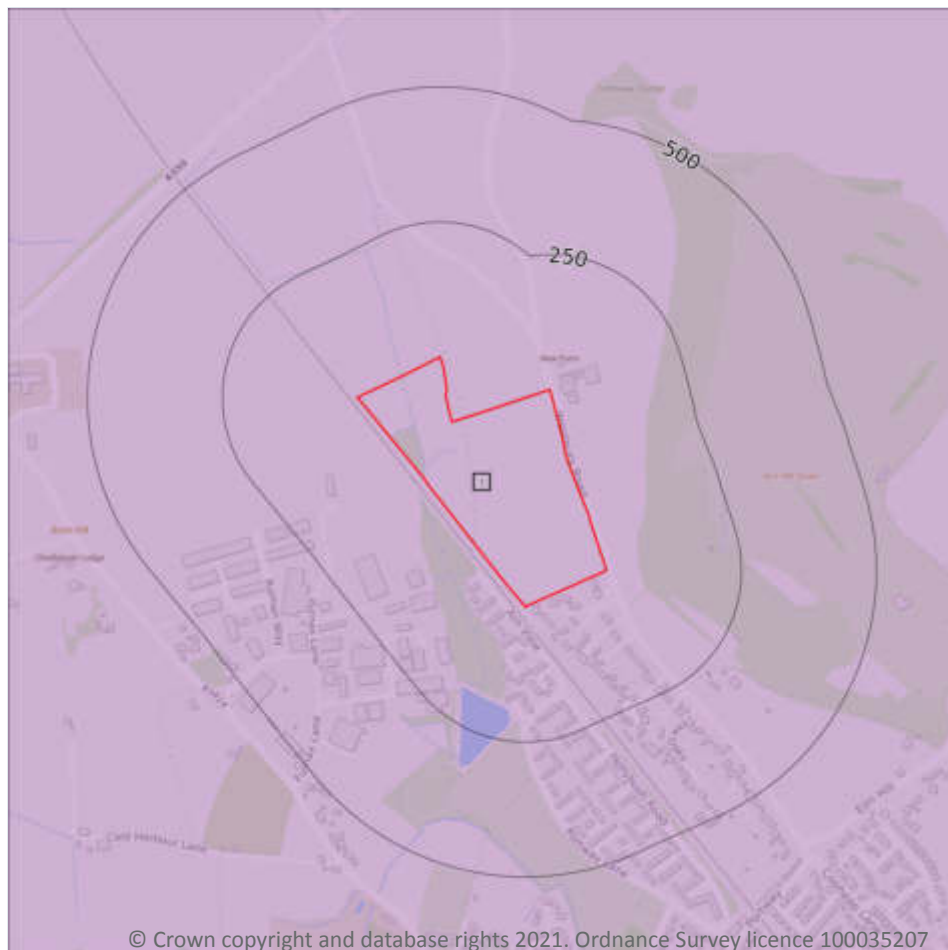
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	400m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type



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

1

Aquifer status of groundwater held within bedrock geology.

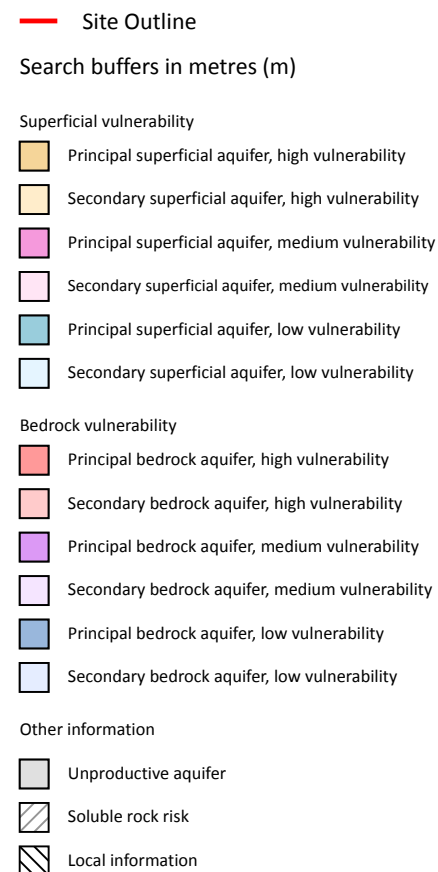
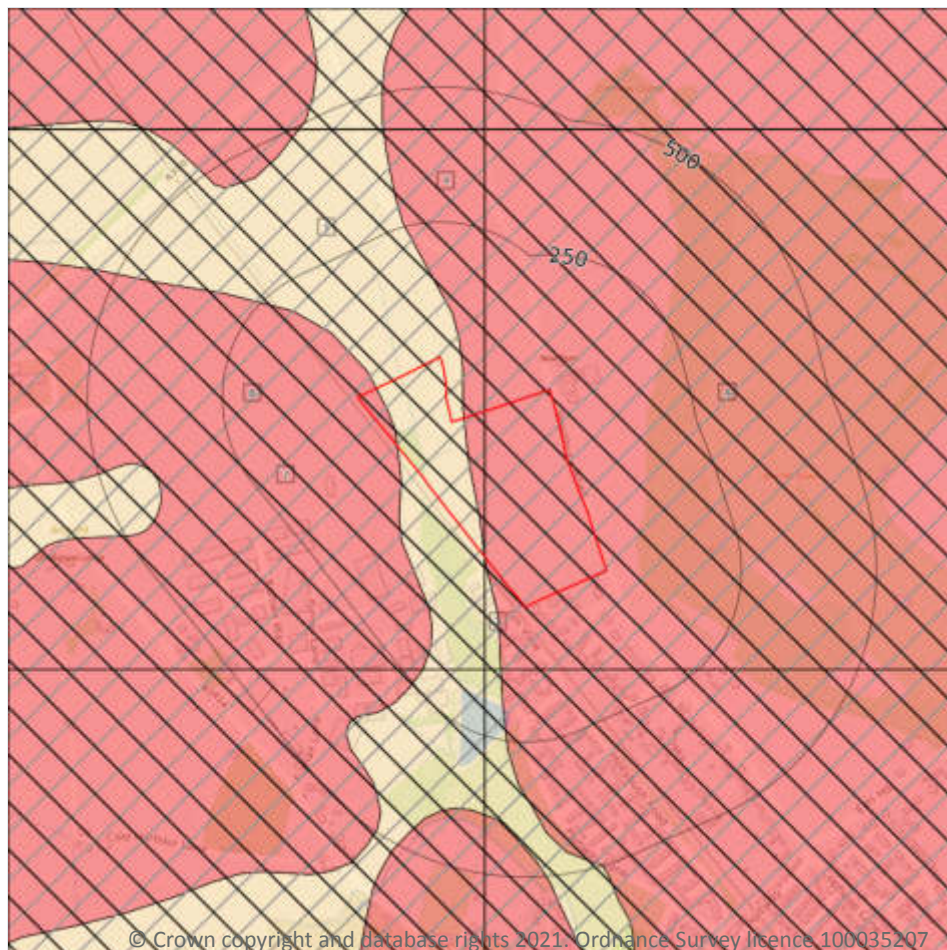
Features are displayed on the Bedrock aquifer map on **page 40**

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

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

5

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 superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
2	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: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal 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: 300- 550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
4	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: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
A	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: 300- 550mm/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

2

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
A	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	35.0%
B	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	37.0%

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

5.5 Groundwater vulnerability- local information

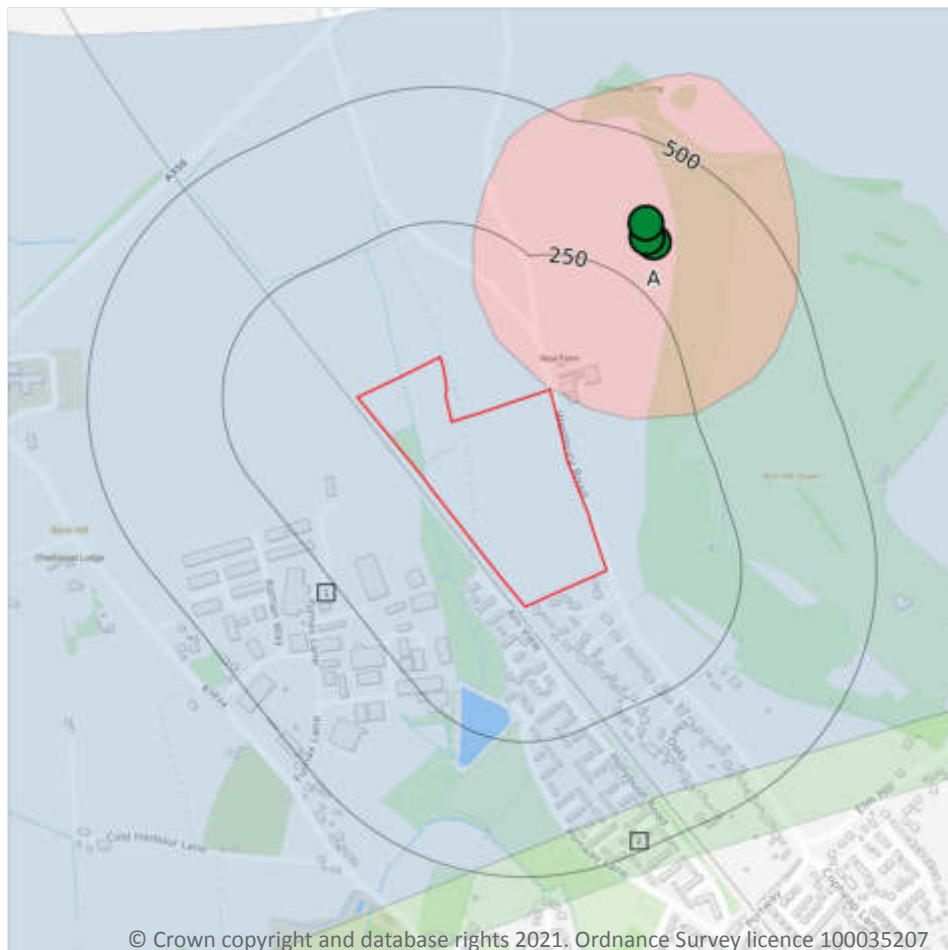
Records on site	2
-----------------	---

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.

ID	Summary	Additional information
A	Increased vulnerability of superficial river deposits	Exposed areas of river terrace deposits
B	Increased vulnerability of superficial river deposits	Exposed areas of river terrace deposits

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
Point features
- 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

15

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 44**

ID	Location	Details	
A	334m NE	Status: Active Licence No: 13/43/000/G/001 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: MERE BOREHOLE M1 Data Type: Point Name: Wessex Water Services Ltd Easting: 387313 Northing: 146791	Annual Volume (m ³): 4,196,027 Max Daily Volume (m ³): 11,601.31 Original Application No: - Original Start Date: 16/04/1970 Expiry Date: - Issue No: 101 Version Start Date: 25/02/2015 Version End Date: -
A	334m NE	Status: Active Licence No: 13/43/023/G/107 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: ARN HILL BOREHOLE B Data Type: Point Name: Wessex Water Services Ltd Easting: 387313 Northing: 146791	Annual Volume (m ³): 547,500 Max Daily Volume (m ³): 2,273 Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/02/2016 Version End Date: -
A	334m NE	Status: Historical Licence No: 13/43/023/G/107 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: ARN HILL BOREHOLE AH1 Data Type: Point Name: Wessex Water Services Ltd Easting: 387300 Northing: 146800	Annual Volume (m ³): 547500 Max Daily Volume (m ³): 2273 Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2011 Version End Date: -
A	334m NE	Status: Historical Licence No: 13/43/023/G/107 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: ARN HILL BOREHOLE AH2 Data Type: Point Name: Wessex Water Services Ltd Easting: 387300 Northing: 146800	Annual Volume (m ³): 547500 Max Daily Volume (m ³): 2273 Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2011 Version End Date: -
A	356m NE	Status: Active Licence No: 13/43/000/G/001 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: STUBHAMPTON BOREHOLE ST 2 Data Type: Point Name: Wessex Water Services Ltd Easting: 387299 Northing: 146826	Annual Volume (m ³): 4,196,027 Max Daily Volume (m ³): 11,601.31 Original Application No: - Original Start Date: 16/04/1970 Expiry Date: - Issue No: 101 Version Start Date: 25/02/2015 Version End Date: -



ID	Location	Details	
A	356m NE	Status: Active Licence No: 13/43/023/G/107 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: ARN HILL BOREHOLE A Data Type: Point Name: Wessex Water Services Ltd Easting: 387299 Northing: 146826	Annual Volume (m ³): 547,500 Max Daily Volume (m ³): 2,273 Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/02/2016 Version End Date: -
-	1281m S	Status: Historical Licence No: 13/43/023/G/087 Details: Process water Direct Source: Ground Water - Fresh Point: "WELL AT THE MALT HOUSE, POINT #1" Data Type: Point Name: Warminster Maltings Ltd Easting: 386670 Northing: 144900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 01/04/1999 Version End Date: -
-	1281m S	Status: Active Licence No: 13/43/023/G/087 Details: Process Water Direct Source: Ground Water - Fresh Point: WELL AT THE MALT HOUSE, POINT #1 Data Type: Point Name: Warminster Maltings Ltd Easting: 386670 Northing: 144900	Annual Volume (m ³): 7,700 Max Daily Volume (m ³): 30 Original Application No: - Original Start Date: 01/04/1999 Expiry Date: - Issue No: 101 Version Start Date: 30/06/2008 Version End Date: -
-	1398m S	Status: Historical Licence No: 13/43/023/G/087 Details: Process water Direct Source: Ground Water - Fresh Point: WELL AT THE MALT HOUSE, POINT #1 Data Type: Point Name: Warminster Maltings Ltd Easting: 386600 Northing: 144800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 01/04/1999 Version End Date: -
-	1829m N	Status: Historical Licence No: 17/53/010/G/009 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: WESTBURY BOREHOLE W2 Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 660000 Max Daily Volume (m ³): 1820 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2002 Version End Date: -



ID	Location	Details	
-	1829m N	Status: Active Licence No: 17/53/010/G/011 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: UPTON SCUDAMORE BOREHOLE (U.S. 5) Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 2,190,000 Max Daily Volume (m ³): 6,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -
-	1829m N	Status: Active Licence No: 17/53/010/G/011 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: UPTON SCUDAMORE WELL/ BOREHOLE Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 2,190,000 Max Daily Volume (m ³): 6,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -
-	1829m N	Status: Active Licence No: 17/53/010/G/011 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: UPTON SCUDAMORE BOREHOLE (U.S.3) Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 2,190,000 Max Daily Volume (m ³): 6,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -
-	1829m N	Status: Active Licence No: 17/53/010/G/011 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: UPTON SCUDAMORE BOREHOLE (U.S.4) Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 2,190,000 Max Daily Volume (m ³): 6,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -
-	1829m N	Status: Active Licence No: 17/53/010/G/011 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: UPTON SCUDAMORE BOREHOLE (U.S.6) Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 2,190,000 Max Daily Volume (m ³): 6,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

2

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 44**

ID	Location	Details	
-	1829m N	Status: Historical Licence No: 17/53/010/S/011 Details: Potable Water Supply - Direct Direct Source: Surface Water - Fresh Point: "UPTON SCUDAMORE SPRINGS, WESTBURY" Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2002 Version End Date: -
-	1829m N	Status: Active Licence No: 17/53/010/S/011 Details: Potable Water Supply - Direct Direct Source: Surface Water - Fresh Point: UPTON SCUDAMORE SPRINGS, WESTBURY Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 730,000 Max Daily Volume (m ³): 10,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

14

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.

Features are displayed on the Abstractions and Source Protection Zones map on **page 44**



ID	Location	Details	
A	334m NE	Status: Active Licence No: 13/43/000/G/001 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: MERE BOREHOLE M1 Data Type: Point Name: Wessex Water Services Ltd Easting: 387313 Northing: 146791	Annual Volume (m ³): 4,196,027 Max Daily Volume (m ³): 11,601.31 Original Application No: - Original Start Date: 16/04/1970 Expiry Date: - Issue No: 101 Version Start Date: 25/02/2015 Version End Date: -
A	334m NE	Status: Active Licence No: 13/43/023/G/107 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: ARN HILL BOREHOLE B Data Type: Point Name: Wessex Water Services Ltd Easting: 387313 Northing: 146791	Annual Volume (m ³): 547,500 Max Daily Volume (m ³): 2,273 Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/02/2016 Version End Date: -
A	334m NE	Status: Historical Licence No: 13/43/023/G/107 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: ARN HILL BOREHOLE AH1 Data Type: Point Name: Wessex Water Services Ltd Easting: 387300 Northing: 146800	Annual Volume (m ³): 547500 Max Daily Volume (m ³): 2273 Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2011 Version End Date: -
A	334m NE	Status: Historical Licence No: 13/43/023/G/107 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: ARN HILL BOREHOLE AH2 Data Type: Point Name: Wessex Water Services Ltd Easting: 387300 Northing: 146800	Annual Volume (m ³): 547500 Max Daily Volume (m ³): 2273 Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2011 Version End Date: -
A	356m NE	Status: Active Licence No: 13/43/000/G/001 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: STUBHAMPTON BOREHOLE ST 2 Data Type: Point Name: Wessex Water Services Ltd Easting: 387299 Northing: 146826	Annual Volume (m ³): 4,196,027 Max Daily Volume (m ³): 11,601.31 Original Application No: - Original Start Date: 16/04/1970 Expiry Date: - Issue No: 101 Version Start Date: 25/02/2015 Version End Date: -



ID	Location	Details	
A	356m NE	Status: Active Licence No: 13/43/023/G/107 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: ARN HILL BOREHOLE A Data Type: Point Name: Wessex Water Services Ltd Easting: 387299 Northing: 146826	Annual Volume (m ³): 547,500 Max Daily Volume (m ³): 2,273 Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/02/2016 Version End Date: -
-	1829m N	Status: Historical Licence No: 17/53/010/S/011 Details: Potable Water Supply - Direct Direct Source: Surface Water - Fresh Point: "UPTON SCUDAMORE SPRINGS, WESTBURY" Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2002 Version End Date: -
-	1829m N	Status: Historical Licence No: 17/53/010/G/009 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: WESTBURY BOREHOLE W2 Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 660000 Max Daily Volume (m ³): 1820 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2002 Version End Date: -
-	1829m N	Status: Active Licence No: 17/53/010/G/011 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: UPTON SCUDAMORE BOREHOLE (U.S. 5) Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 2,190,000 Max Daily Volume (m ³): 6,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -
-	1829m N	Status: Active Licence No: 17/53/010/G/011 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: UPTON SCUDAMORE WELL/ BOREHOLE Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 2,190,000 Max Daily Volume (m ³): 6,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -

ID	Location	Details	
-	1829m N	Status: Active Licence No: 17/53/010/S/011 Details: Potable Water Supply - Direct Direct Source: Surface Water - Fresh Point: UPTON SCUDAMORE SPRINGS, WESTBURY Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 730,000 Max Daily Volume (m ³): 10,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -
-	1829m N	Status: Active Licence No: 17/53/010/G/011 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: UPTON SCUDAMORE BOREHOLE (U.S.3) Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 2,190,000 Max Daily Volume (m ³): 6,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -
-	1829m N	Status: Active Licence No: 17/53/010/G/011 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: UPTON SCUDAMORE BOREHOLE (U.S.4) Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 2,190,000 Max Daily Volume (m ³): 6,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -
-	1829m N	Status: Active Licence No: 17/53/010/G/011 Details: Potable Water Supply - Direct Direct Source: Ground Water - Fresh Point: UPTON SCUDAMORE BOREHOLE (U.S.6) Data Type: Point Name: Wessex Water Services Ltd Easting: 386300 Northing: 148300	Annual Volume (m ³): 2,190,000 Max Daily Volume (m ³): 6,000 Original Application No: - Original Start Date: 15/12/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2015 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m

3

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on **page 44**



ID	Location	Type	Description
1	On site	2	Outer catchment
A	3m NE	1	Inner catchment
2	418m S	3	Total catchment

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

22

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 53**

ID	Location	Type of water feature	Ground level	Permanence	Name
1	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)	-
C	On site	Inland river not influenced by normal tidal action.	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)	-
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)	-
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	67m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	67m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	70m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	70m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	82m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	105m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	129m N	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
H	172m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	172m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	185m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	214m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	232m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	234m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	234m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	239m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

13

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 53**

This data is sourced from the Ordnance Survey.



6.3 WFD Surface water body catchments

Records on site

1

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 53**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
B	On site	River WB catchment	Wylfe Trib (The Were or Swan)	GB108043022540	Hampshire Avon	Avon Hampshire

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

6.4 WFD Surface water bodies

Records identified

1

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 53**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
7	411m S	River	Wylfe Trib (The Were or Swan)	GB108043022540	Moderate	Good	Moderate	2016

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

6.5 WFD Groundwater bodies

Records on site

1

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 53**



ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
B	On site	Upper Hampshire Avon	<u>GB40801G806900</u>	Poor	Poor	Poor	2015

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



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- Environment Agency 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 Sea (RoFRaS)

Records within 50m

9

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

Features are displayed on the River and coastal flooding map on **page 58**

Distance	RoFRaS flood risk
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

0

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.

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

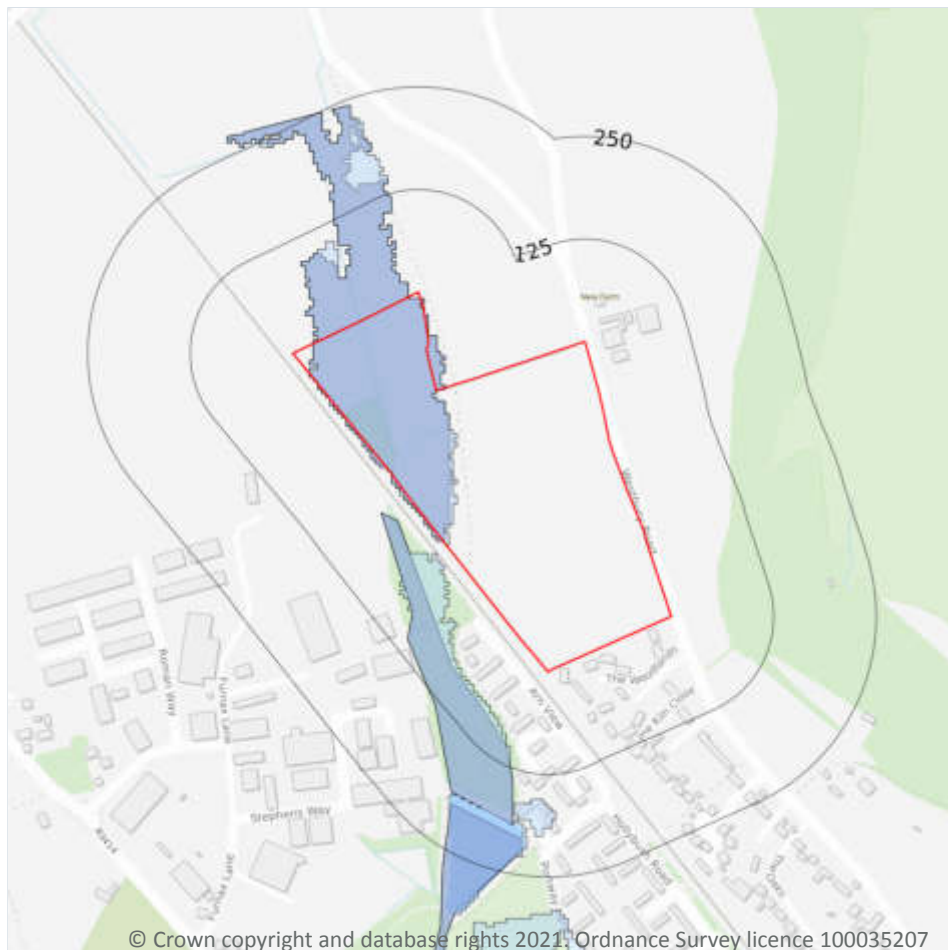
Records within 250m

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 58**

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.

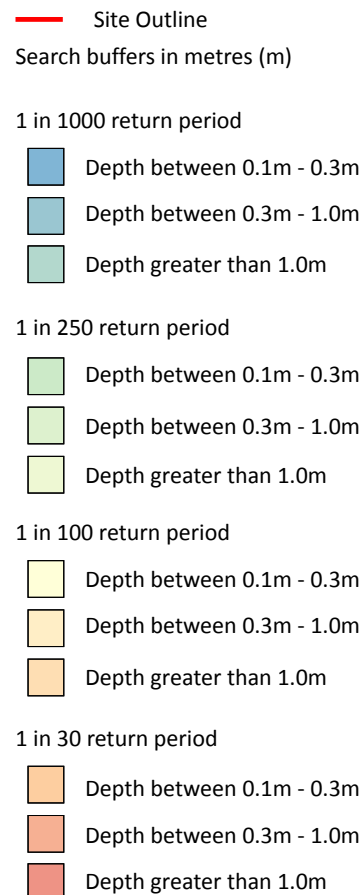
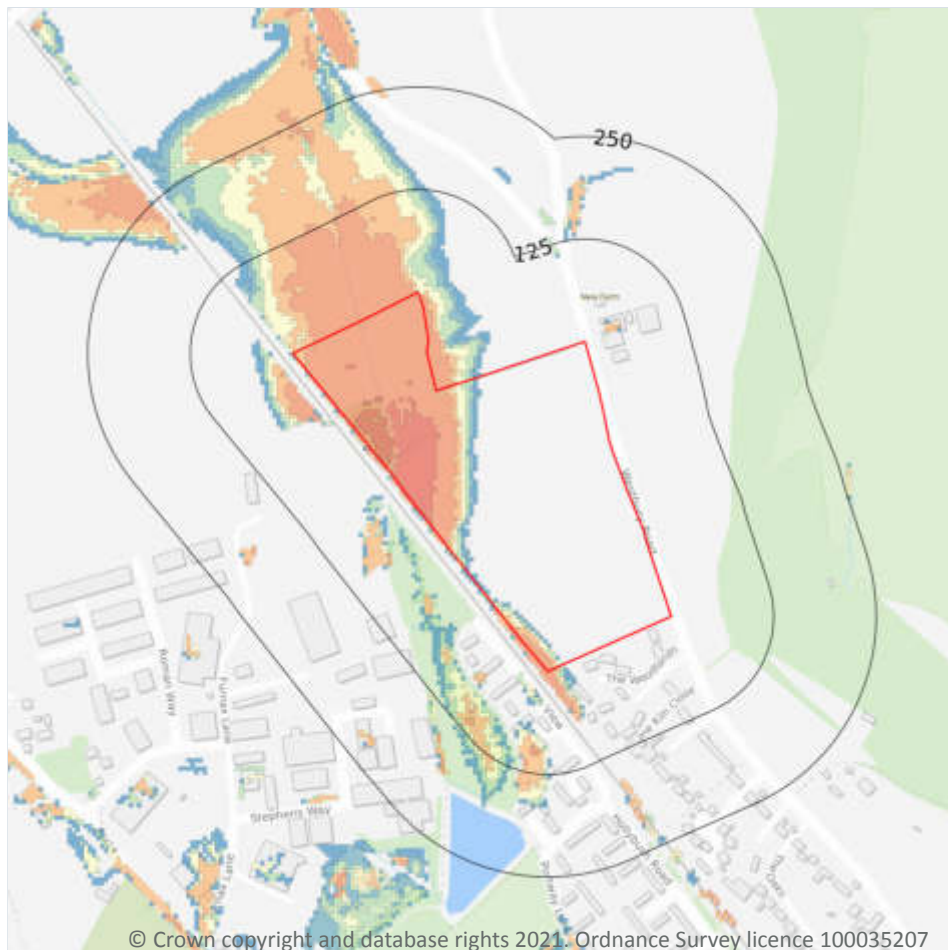
Features are displayed on the River and coastal flooding map on **page 58**

Location	Type
On site	Zone 3 - (Fluvial Models)

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 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 62**

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.

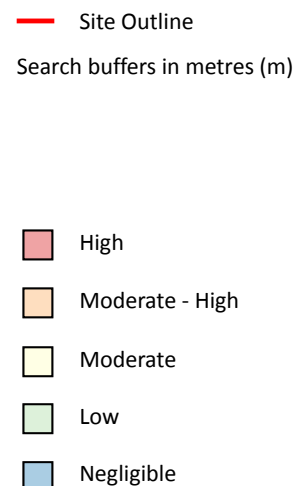
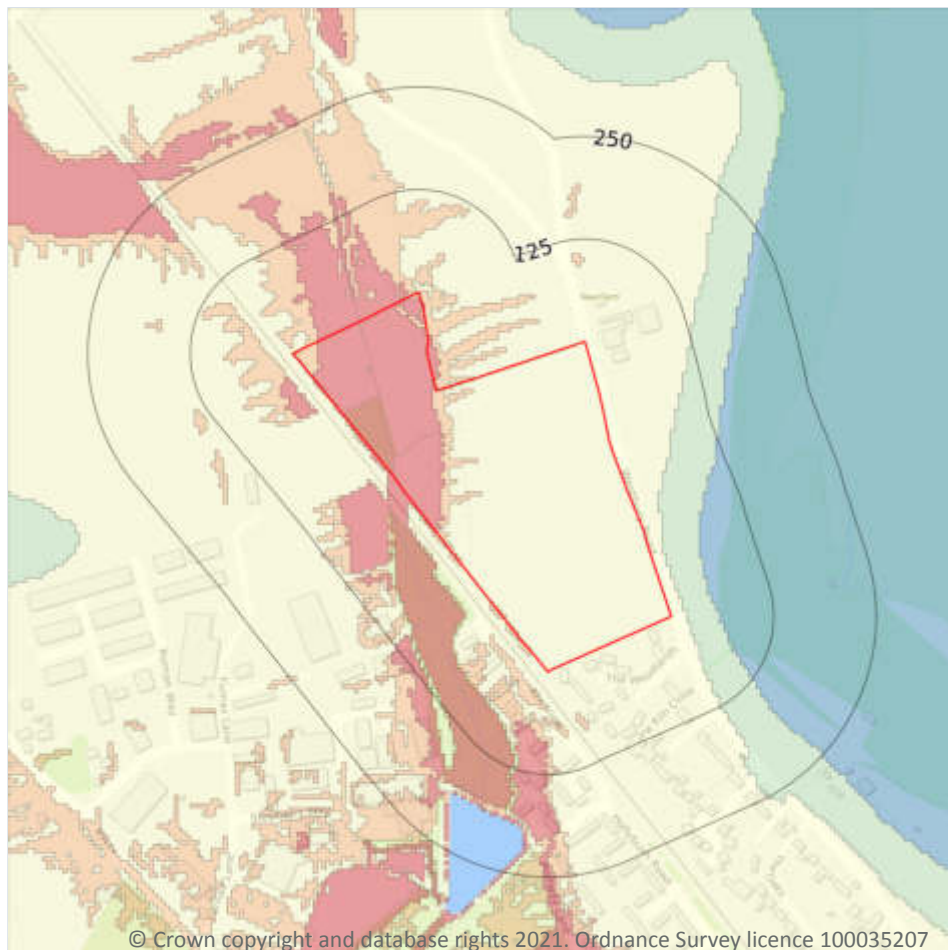
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

High

Highest risk within 50m

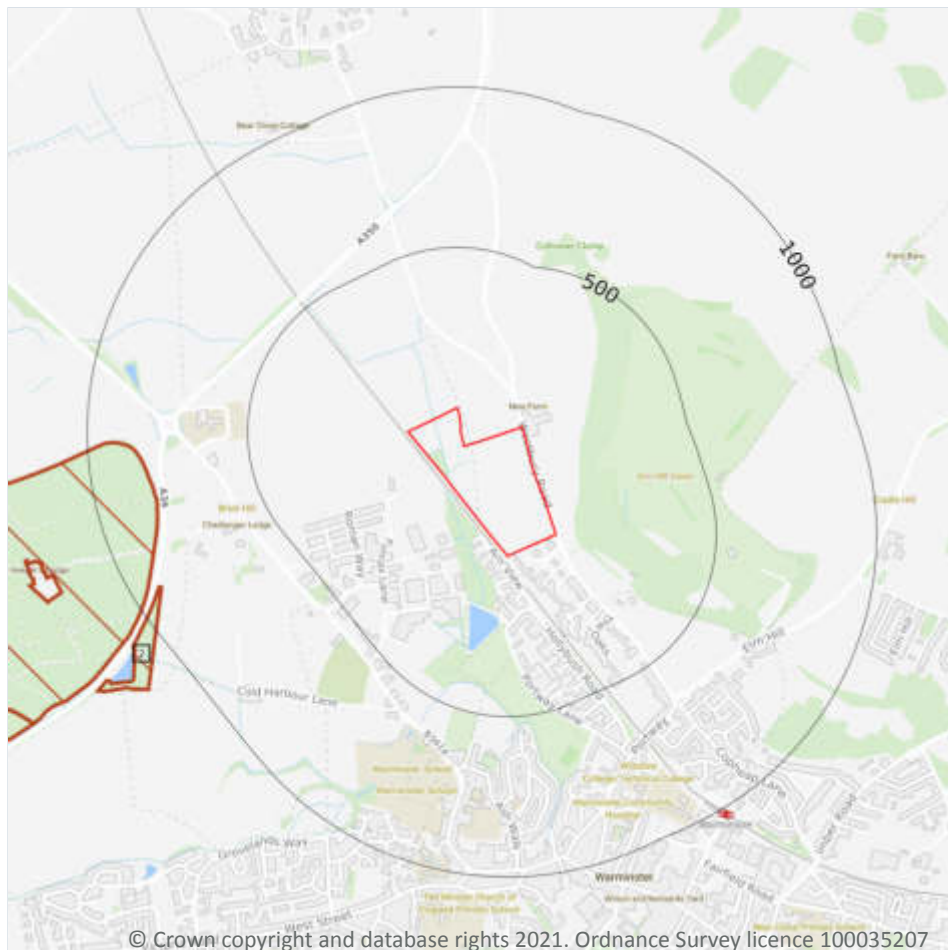
High

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 64**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- Local Nature Reserves (LNR)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

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 65**

ID	Location	Name	Data source
-	1905m N	Upton Cow Down	Natural England



ID	Location	Name	Data source
-	1955m NE	Salisbury Plain	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	1
-----------------------------	----------

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.

Features are displayed on the Environmental designations map on **page 65**

ID	Location	Name	Features of interest	Habitat description	Data source
-	1955m NE	Salisbury Plain	Dry heaths; Juniper on heaths or calcareous grasslands; Dry grasslands and scrublands on chalk or limestone; Great crested newt; Marsh fritillary butterfly; Early gentian.	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Coniferous woodland; Improved grassland; Mixed woodland; Broad-leaved deciduous woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Humid grassland, Mesophile grassland; Dry grassland, Steppes	Natural England

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

10.4 Special Protection Areas (SPA)

Records within 2000m

1

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.

Features are displayed on the Environmental designations map on **page 65**

ID	Location	Name	Species of interest	Habitat description	Data source
-	1955m NE	Salisbury Plain	Hen harrier; Eurasian hobby; Common quail; Stone-curlew	Other arable land; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Mixed woodland; Humid grassland, Mesophile grassland; Dry grassland, Steppes; Improved grassland; Coniferous woodland; Broad-leaved deciduous woodlan	Natural England

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

1

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.

Features are displayed on the Environmental designations map on **page 65**

ID	Location	Name	Data source
-	1661m S	Smallbrook Meadows	Natural England

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



10.7 Designated Ancient Woodland

Records within 2000m

4

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 65**

ID	Location	Name	Woodland Type
1	811m W	Norridge Wood	Ancient Replanted Woodland
2	909m SW	Norridge Wood	Ancient Replanted Woodland
3	1479m SW	Norridge Wood	Ancient & Semi-Natural Woodland
-	1712m SW	Norridge Wood	Ancient & Semi-Natural 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**0**

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

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**2**

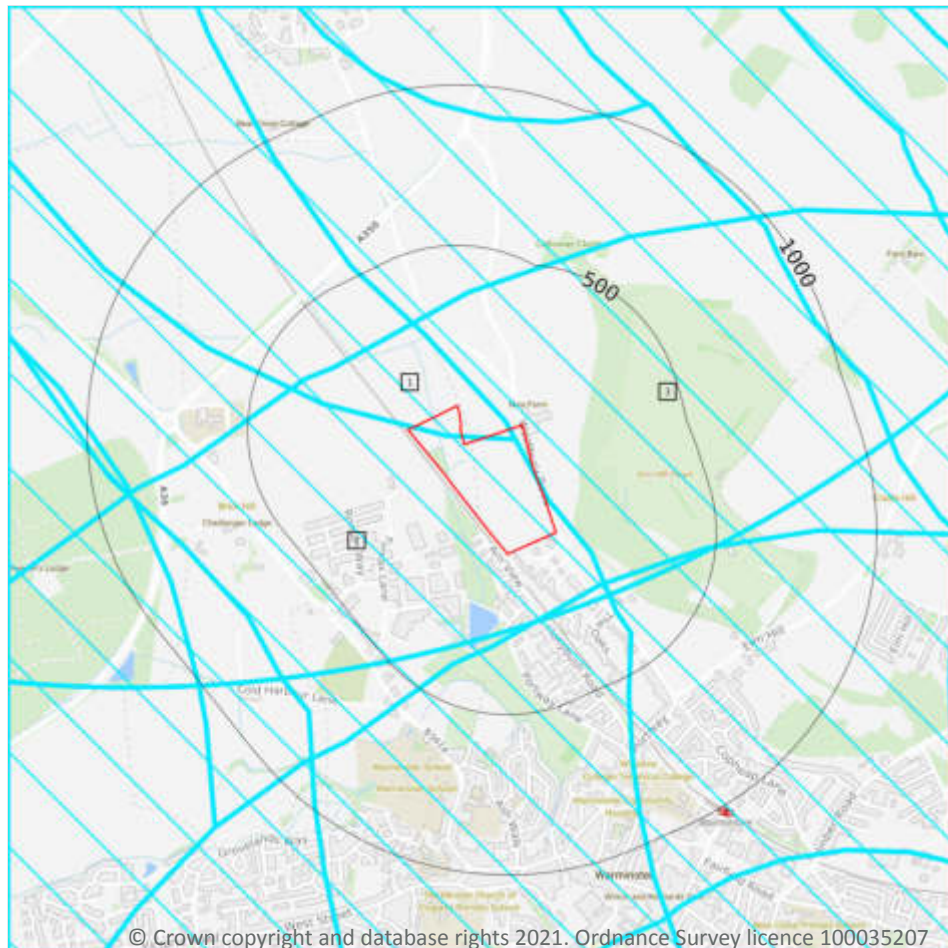
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	South Wessex	Groundwater	G151	Changed
132m S	South Wessex	Groundwater	G151	Changed

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

3

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 71**

ID	Location	Type of developments requiring consultation
1	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 - 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. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 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 (NB This does not include discharges to mains sewer which are unlikely to pose a risk at this location).
2	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 - 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. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 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 Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. 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 (NB This does not include discharges to mains sewer which are unlikely to pose a risk at this location).

ID	Location	Type of developments requiring consultation
3	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 footprint exceeds 1ha. Residential - Residential development of 50 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 > 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 (NB This does not include discharges to mains sewer which are unlikely to pose a risk at this location).

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

3

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 71**

ID: -

Location: 1905m N

SSSI name: Upton Cow Down

Unit name: Southern Area

Broad habitat: Calcareous Grassland - Lowland

Condition: Favourable

Reportable features:



Feature name	Feature condition	Date of assessment
Lowland calcareous grassland (CG3-5)	-	-
Populations of nationally scarce butterfly species - Polyommatus bellargus, Adonis Blue	Favourable	01/10/2010

ID: -
 Location: 1955m NE
 SSSI name: Salisbury Plain
 Unit name: 4
 Broad habitat: Calcareous Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Hobby, Falco subbuteo	Favourable	07/12/2015
Aggregations of breeding birds - Quail, Coturnix coturnix	Favourable	15/12/2015
Aggregations of breeding birds - Stone curlew, Burhinus oedicephalus	Favourable	08/12/2015
Aggregations of non-breeding birds - Hen harrier, Circus cyaneus	Favourable	07/12/2015
Assemblages of breeding birds - Mixed	Favourable	16/12/2015
H6210 Semi-natural dry grasslands and scrubland facies: on calcareous substrates (Festuco-Brometalia), (note that this includes the priority feature important orchid rich sites)	Favourable	13/12/2015
Invert. assemblage F111 bare sand & chalk	Favourable	03/12/2015
Invert. assemblage F112 open short sward	Favourable	16/12/2015
Lowland calcareous grassland (CG3-5)	Favourable	03/12/2015
Lowland calcareous grassland (CG6)	Favourable	03/12/2015
Population of RDB plant - Cirsium tuberosum, Tuberous Thistle	Favourable	16/12/2015
Population of Schedule 5 crustacean - Chirocephalus diaphanus, a freshwater fairy shrimp	Favourable	03/12/2015
Populations of nationally scarce butterfly species - Eurodryas aurinia, Marsh Fritillary	Favourable	07/12/2015
Populations of nationally scarce butterfly species - Polyommatus bellargus, Adonis Blue	Favourable	07/12/2015
S1065 Marsh fritillary, Eurodryas aurinia	Favourable	03/12/2015
Vascular plant assemblage	Favourable	09/12/2015

ID: -
 Location: 1959m NE
 SSSI name: Salisbury Plain
 Unit name: 2
 Broad habitat: Calcareous Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Hobby, Falco subbuteo	Favourable	07/03/2016
Aggregations of breeding birds - Quail, Coturnix coturnix	Favourable	07/03/2016
Aggregations of breeding birds - Stone curlew, Burhinus oedicnemus	Favourable	07/03/2016
Aggregations of non-breeding birds - Hen harrier, Circus cyaneus	Favourable	07/03/2016
Assemblages of breeding birds - Mixed	Favourable	07/03/2016
H6210 Semi-natural dry grasslands and scrubland facies: on calcareous substrates (Festuco-Brometalia), (note that this includes the priority feature important orchid rich sites)	Unfavourable - Recovering	10/03/2016
Invert. assemblage F111 bare sand & chalk	Unfavourable - Recovering	10/03/2016
Invert. assemblage F112 open short sward	Unfavourable - Recovering	10/03/2016
Lowland calcareous grassland (CG3-5)	Unfavourable - Recovering	10/03/2016
Lowland mixed deciduous woodland	Favourable	22/03/2016
Population of RDB plant - Cirsium tuberosum, Tuberous Thistle	Favourable	08/03/2016
Population of Schedule 5 crustacean - Chirocephalus diaphanus, a freshwater fairy shrimp	Favourable	08/03/2016
Populations of nationally scarce butterfly species - Eurodryas aurinia, Marsh Fritillary	Favourable	08/03/2016
Populations of nationally scarce butterfly species - Hamearis lucina, Duke of Burgundy	Favourable	09/03/2016
Populations of nationally scarce butterfly species - Polyommatus bellargus, Adonis Blue	Favourable	08/03/2016
Populations of nationally scarce butterfly species - Thecla betulae, Brown Hairstreak	Favourable	07/03/2016
S1065 Marsh fritillary, Eurodryas aurinia	Favourable	08/03/2016
Vascular plant assemblage	Favourable	09/03/2016

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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.

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

0

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.



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

11.5 Conservation Areas

Records within 250m

0

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.

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

11.7 Registered Parks and Gardens

Records within 250m

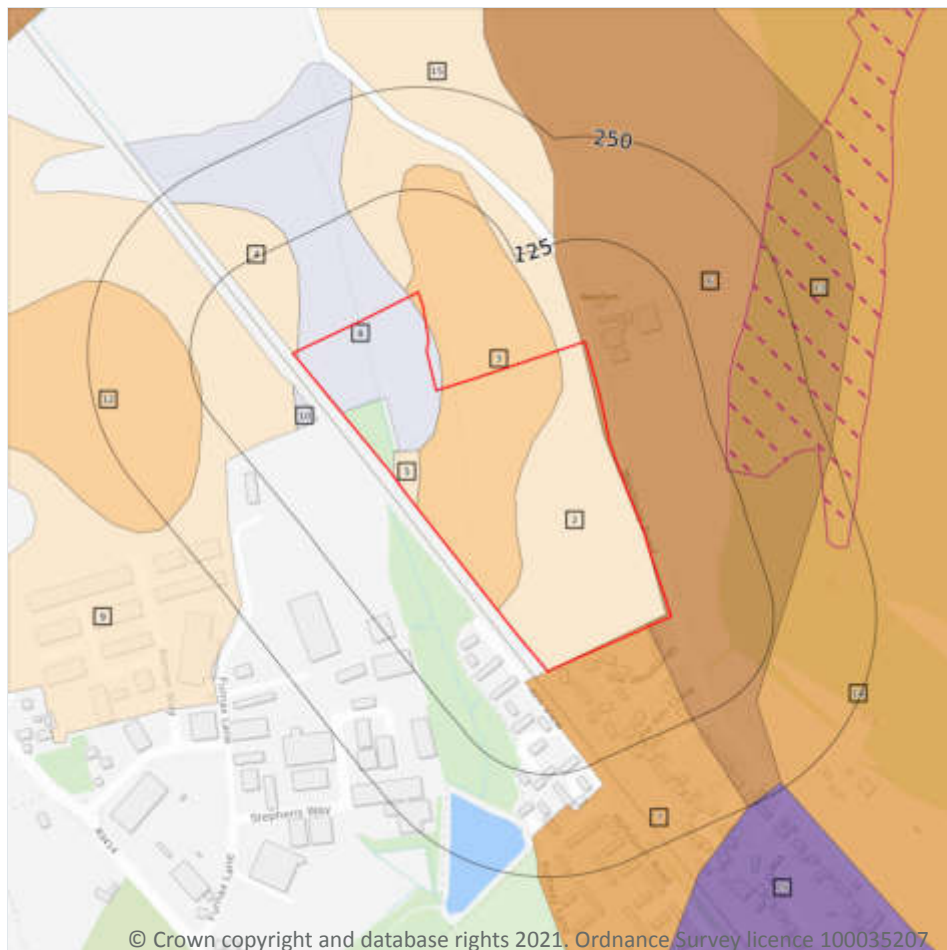
0

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.

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



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

13

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 78**

ID	Location	Classification	Description
2	On site	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

ID	Location	Classification	Description
3	On site	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.
4	On site	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
5	On site	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
6	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.
7	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.
8	On site	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.
9	24m SW	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
10	24m SW	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.
12	117m W	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.
14	129m E	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.



ID	Location	Classification	Description
15	132m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
16	243m SE	Urban	-

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 78**

ID	Location	Name	Classification	Other relevant legislation
13	122m E	-	Section 4 Conclusive Open Country	-

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

12.3 Tree Felling Licences

Records within 250m

0

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.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

1

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment.

Location	Reference	Scheme	Start Date	End date
19m W	AG00303983	Entry Level plus Higher Level Stewardship	01/09/2010	31/08/2020

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m

0

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.

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

8

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 82**

ID	Location	Main Habitat	Other habitats
2	23m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	60m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	82m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	123m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
9	196m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	196m E	Lowland calcareous grassland	Main habitat: DWOOD (INV > 50%); LCGRA (INV > 50%)
10	211m E	Lowland calcareous grassland	Main habitat: DWOOD (INV > 50%); LCGRA (INV > 50%)
11	228m E	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	6
----------------------------	----------

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.

Features are displayed on the Habitat designations map on **page 82**

ID	Location	Type	Habitat
1	On site	Network Enhancement Zone 2	Not specified
A	On site	Network Enhancement Zone 1	Not specified
6	152m SE	Network Enhancement Zone 2	Not specified
7	179m E	Primary Habitat	Lowland calcareous grassland
8	186m SE	Network Enhancement Zone 2	Not specified
12	242m SE	Network Enhancement Zone 2	Not specified

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

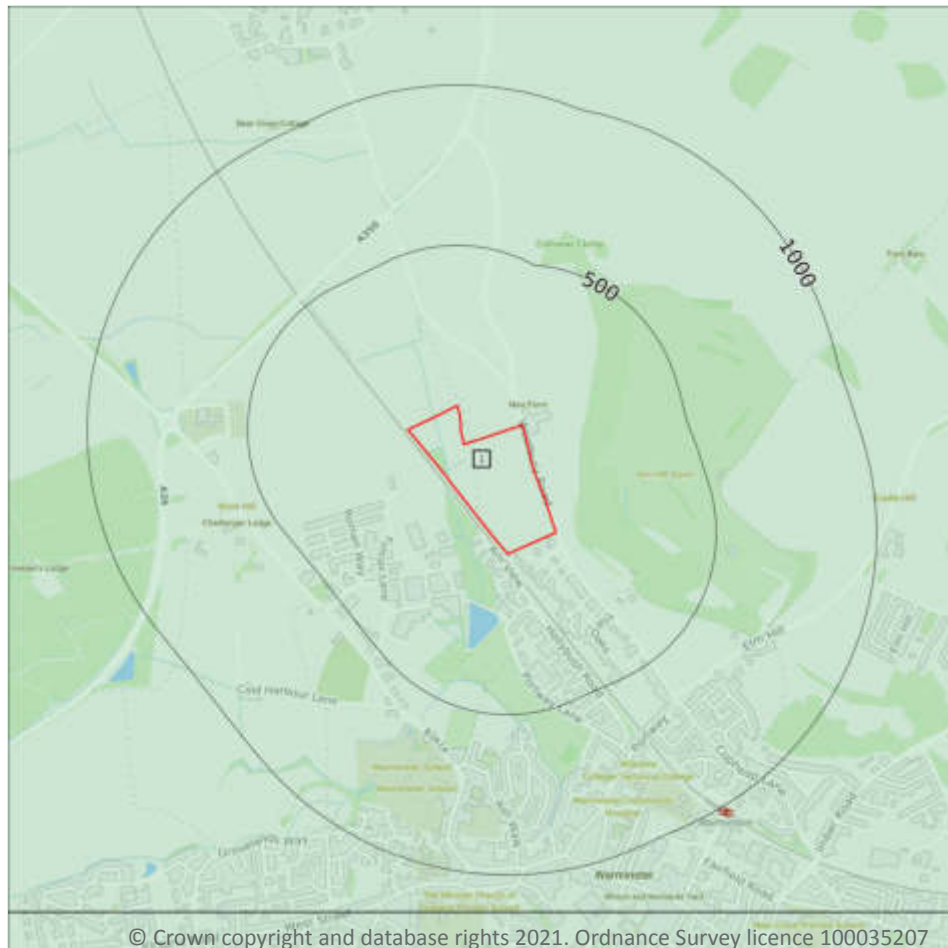
0

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

1

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 85**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	ST84NE

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

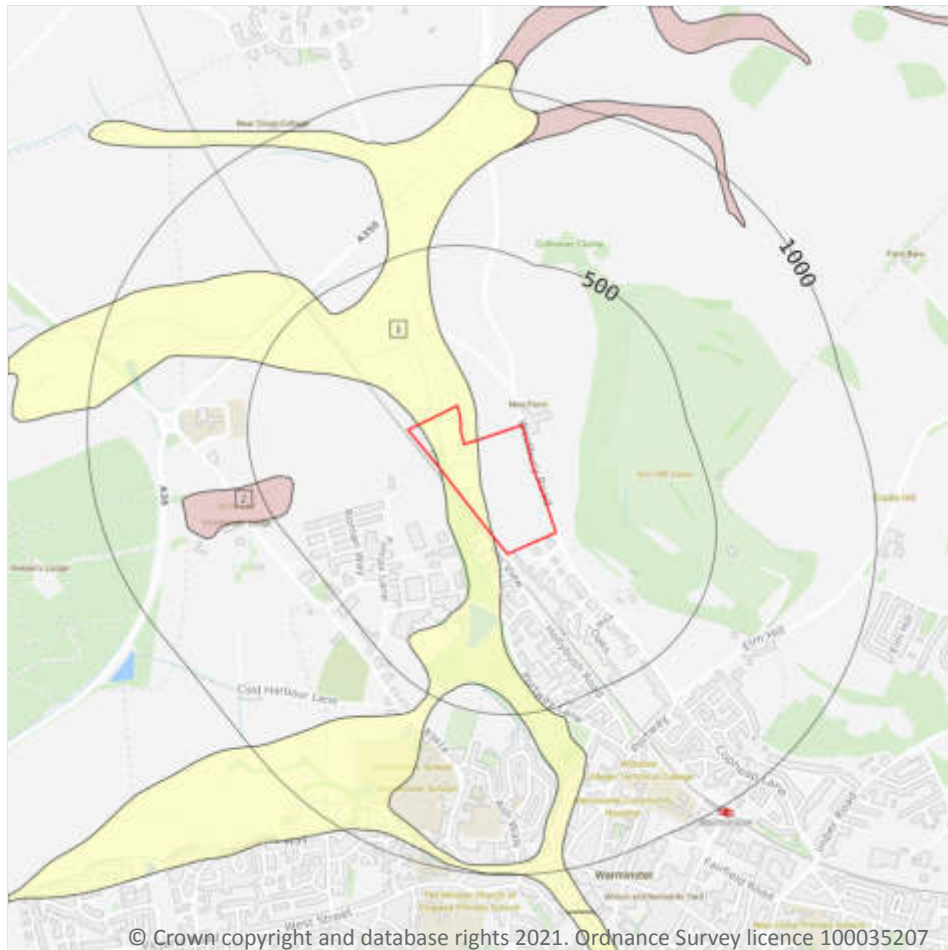
0

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.

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

2

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 87**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel
2	395m SW	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

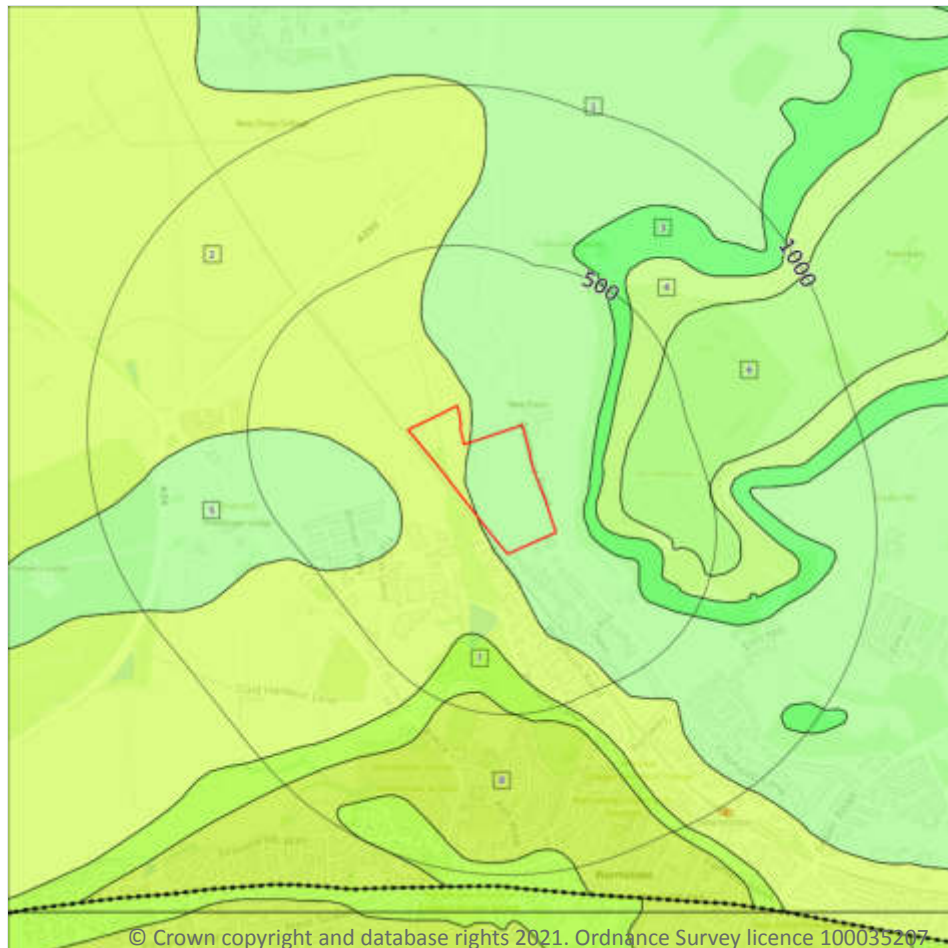
0

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

8

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 89**

ID	Location	LEX Code	Description	Rock age
1	On site	ZZCH-CHLK	Zig Zag Chalk Formation - Chalk	Cenomanian Age
2	On site	WMCH-CHLK	West Melbury Marly Chalk Formation - Chalk	Cenomanian Age
3	98m E	HCK-CHLK	Holywell Nodular Chalk Formation - Chalk	Turonian Age - Cenomanian Age

ID	Location	LEX Code	Description	Rock age
4	137m E	NPCH-CHLK	New Pit Chalk Formation - Chalk	Turonian Age
5	154m SW	ZZCH-CHLK	Zig Zag Chalk Formation - Chalk	Cenomanian Age
6	220m E	LECH-CHLK	Lewes Nodular Chalk Formation - Chalk	Coniacian Age - Turonian Age
7	267m S	MYS-SLLM	Melbury Sandstone Member - Interbedded Siltstone And Limestone	Cenomanian Age
8	438m S	BHC-CHRT	Boyne Hollow Chert Member - Chert	Albian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

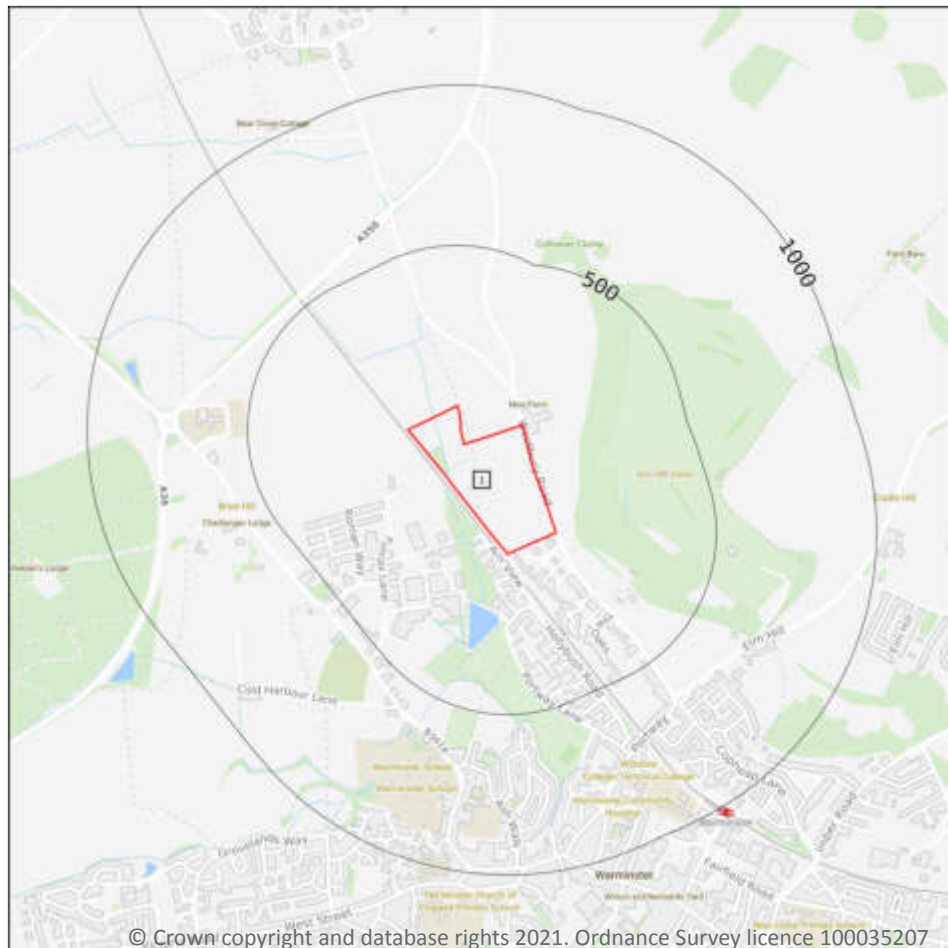
0

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 91**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW281_from_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

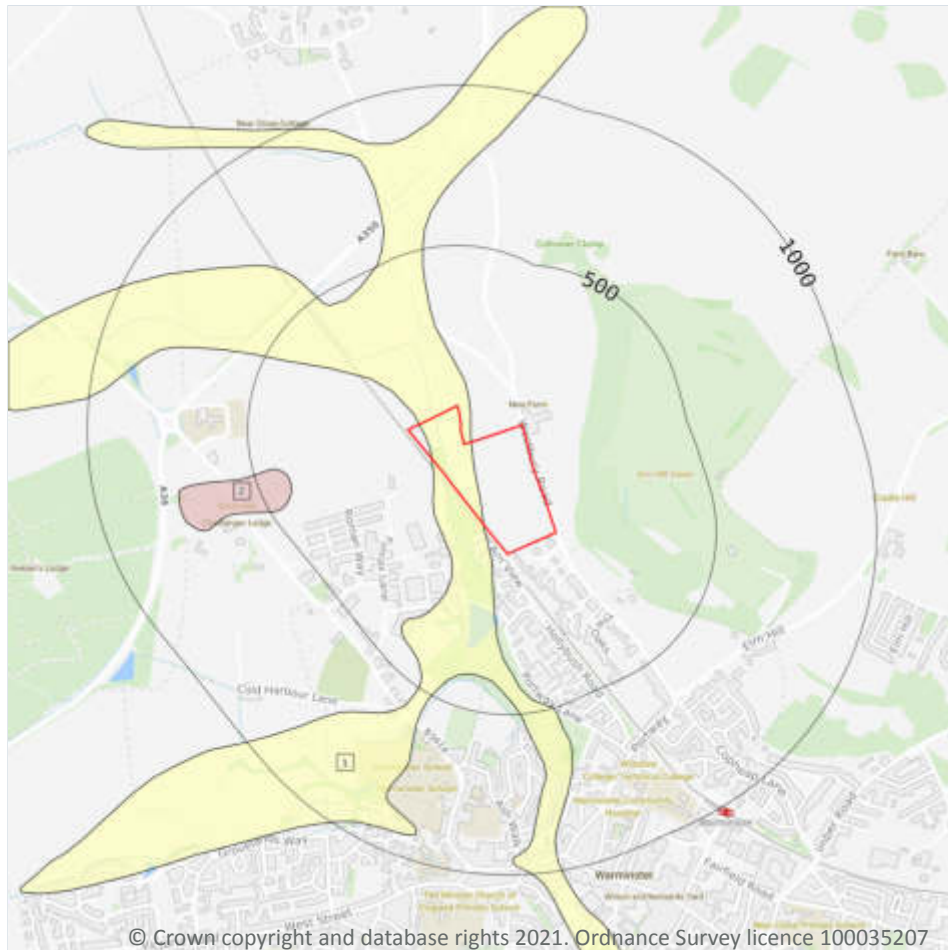
0

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

2

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 93**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	400m SW	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m

1

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	High	Very Low

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)

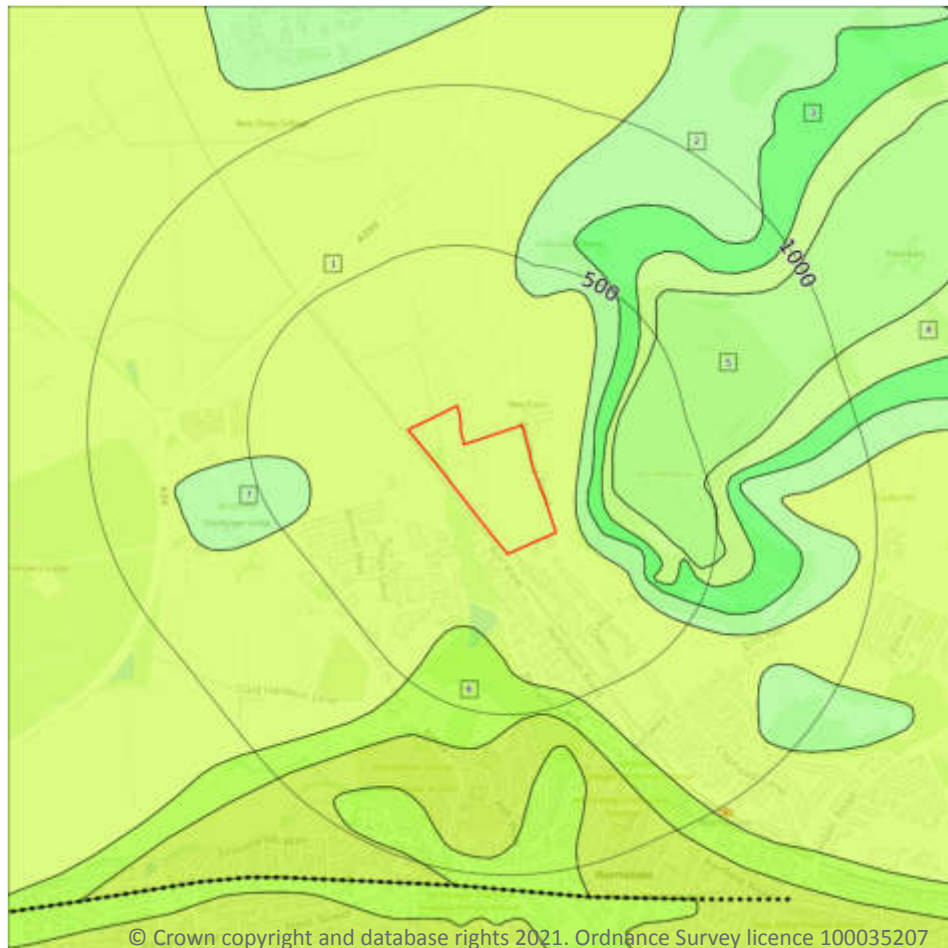
Records within 50m

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

7

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 95**

ID	Location	LEX Code	Description	Rock age
1	On site	WMCH-CHLK	WEST MELBURY MARLY CHALK FORMATION - CHALK	CENOMANIAN
2	76m E	ZZCH-CHLK	ZIG ZAG CHALK FORMATION - CHALK	CENOMANIAN
3	121m E	HCK-CHLK	HOLYWELL NODULAR CHALK FORMATION - CHALK	CENOMANIAN

ID	Location	LEX Code	Description	Rock age
4	168m E	NPCH-CHLK	NEW PIT CHALK FORMATION - CHALK	TURONIAN
5	211m E	LECH-CHLK	LEWES NODULAR CHALK FORMATION - CHALK	TURONIAN
6	253m SW	MYS-SDST	MELBURY SANDSTONE MEMBER - SANDSTONE	CENOMANIAN
7	345m SW	ZZCH-CHLK	ZIG ZAG CHALK FORMATION - CHALK	CENOMANIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **1**

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

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

5

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 97**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	33m NW	386844 146578	A36 COLLOWAY FARM TP124	5.9	N	395256
2	61m NW	386730 146554	A36 WARMINSTER BY-PASS TP123	5.5	N	395255
3	173m SW	386800 146184	FURNAX LANE WARMINSTER	36.5	N	20671601

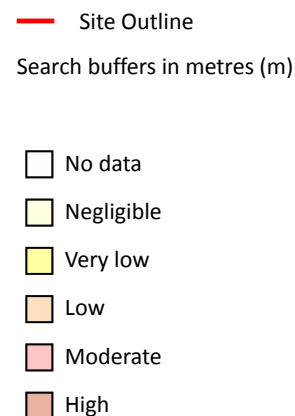
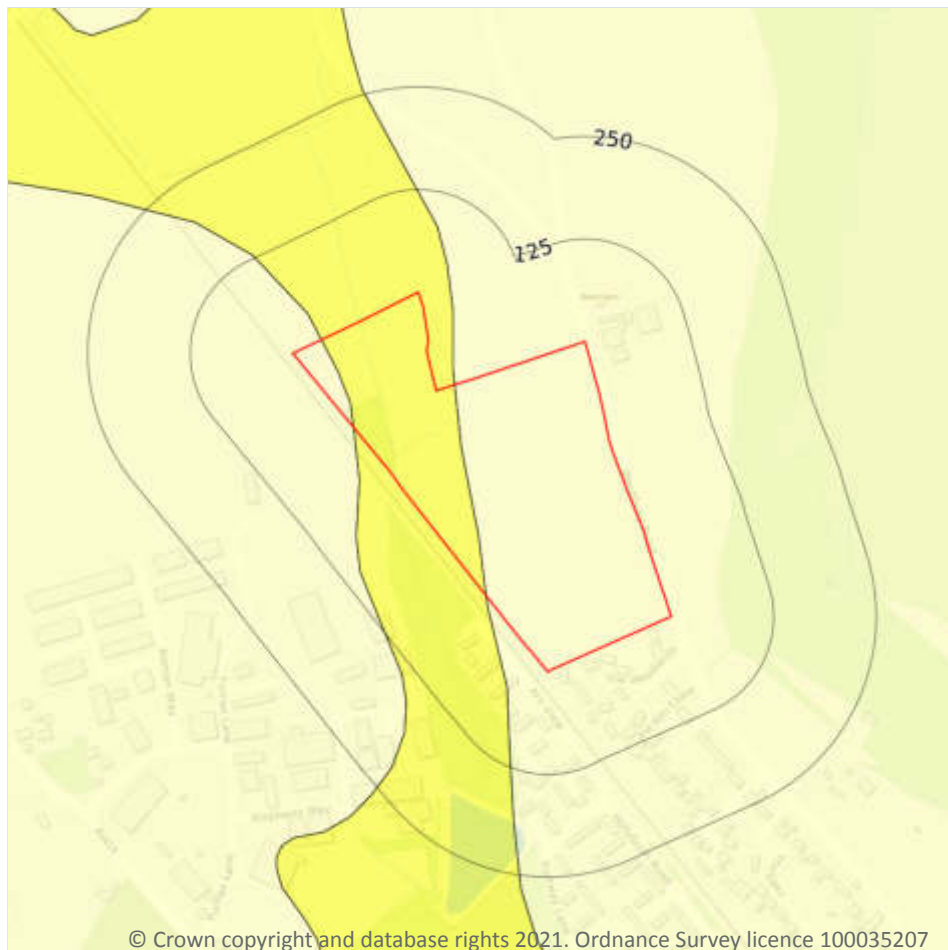


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	241m SW	386740 146150	FORMERLY WARMINSTER GAS CO	15.24	N	395254
5	250m SW	386650 146250	CRUSADER PARK WARMINSTER TP 10	0.0	N	395306

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

2

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).

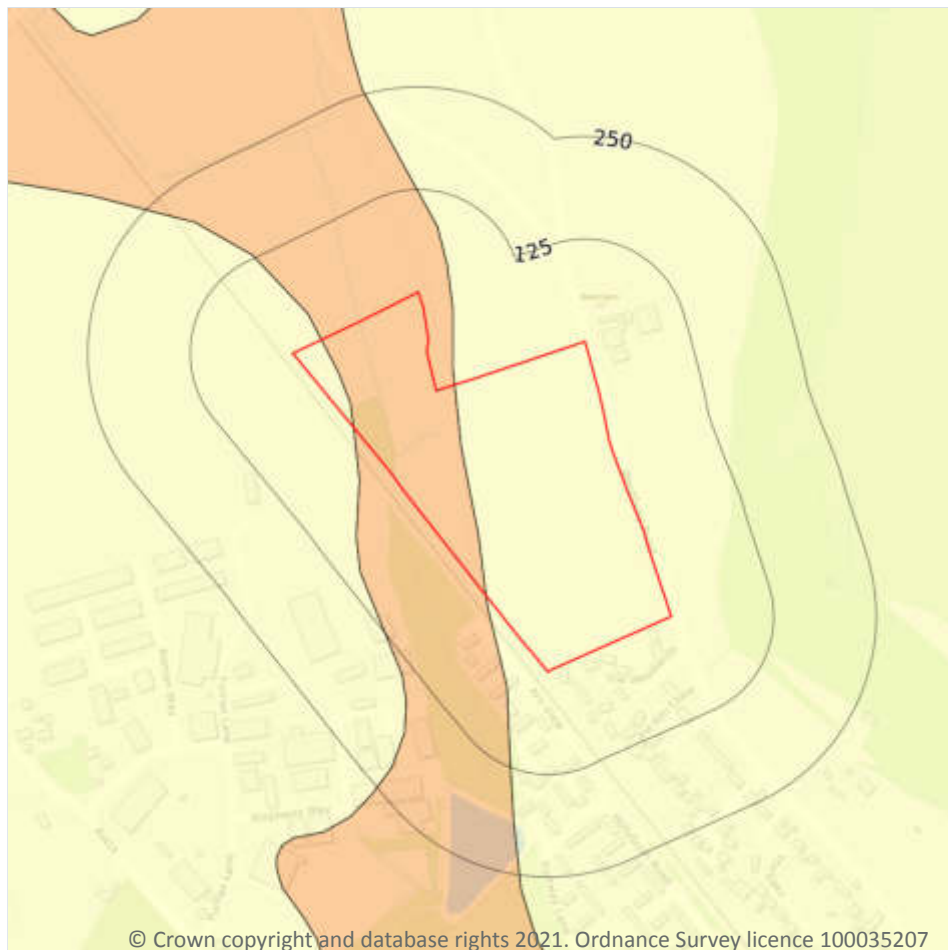
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 99**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.

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

2

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 100**

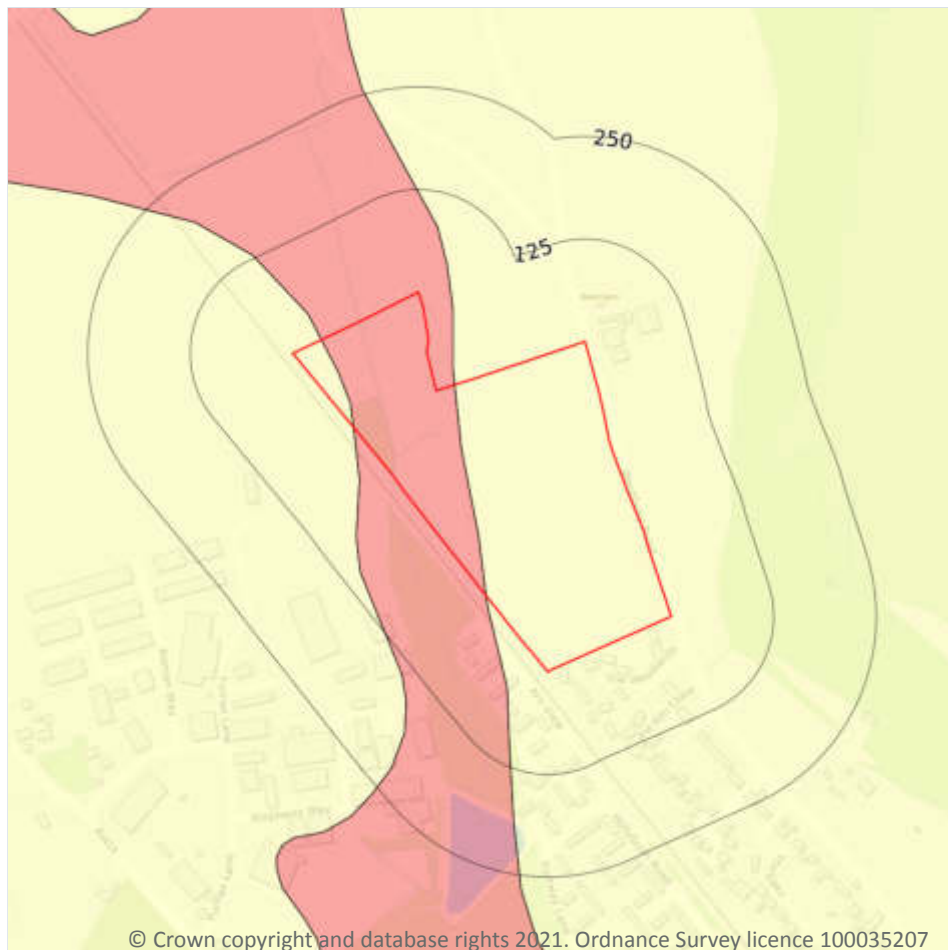
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

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

2

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 102**

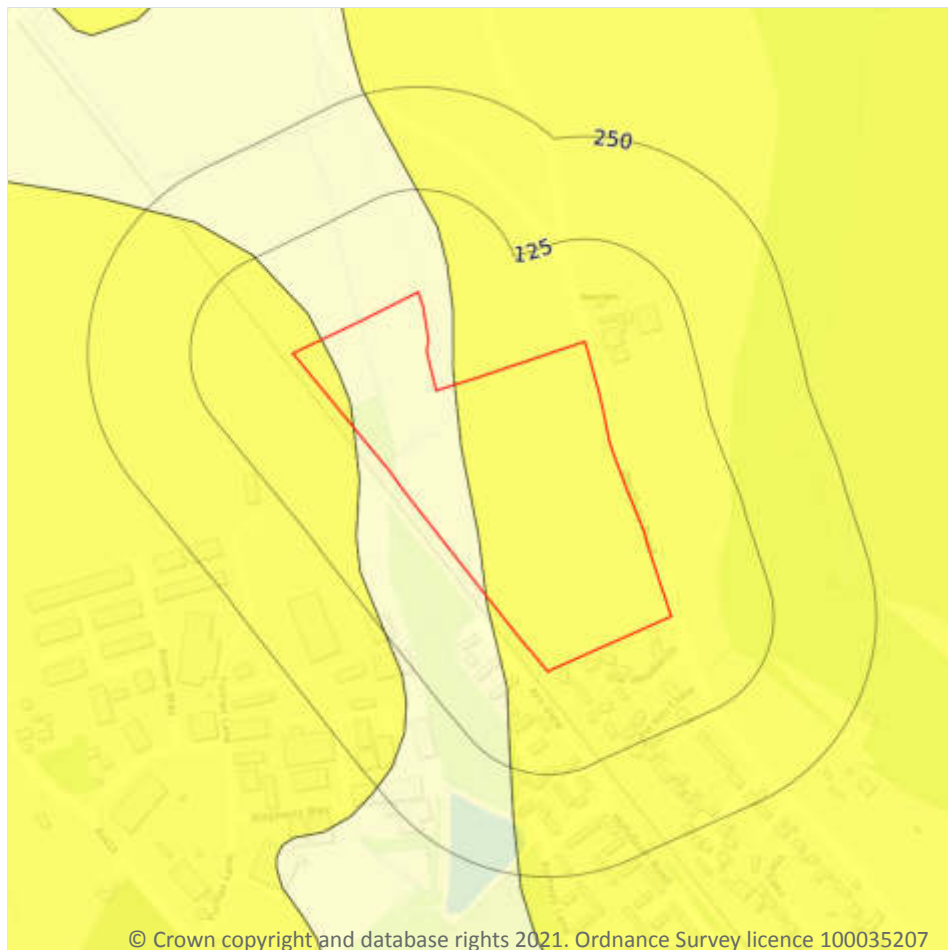
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.



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

2

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.

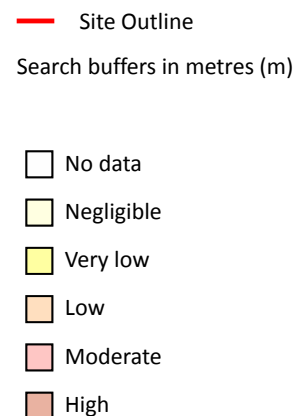
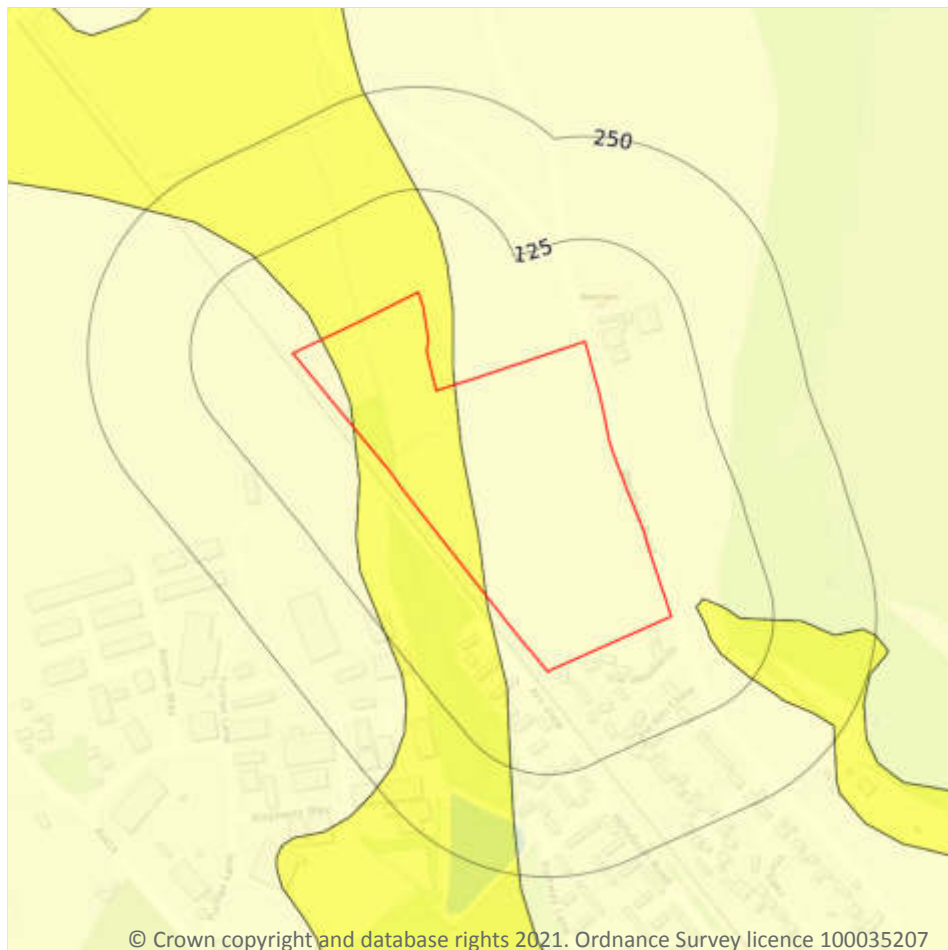
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 104**

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
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



17.5 Landslides

Records within 50m

3

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 105**

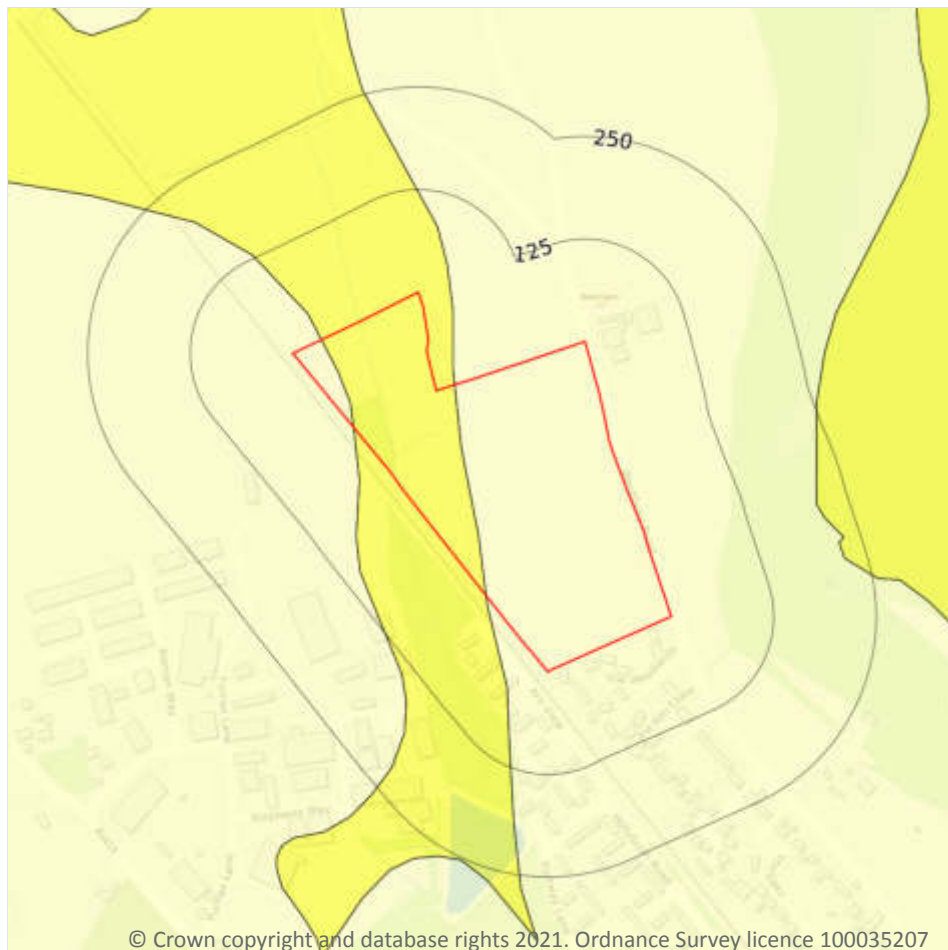
Location	Hazard rating	Details
On site	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

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.
33m E	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

2

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 107**

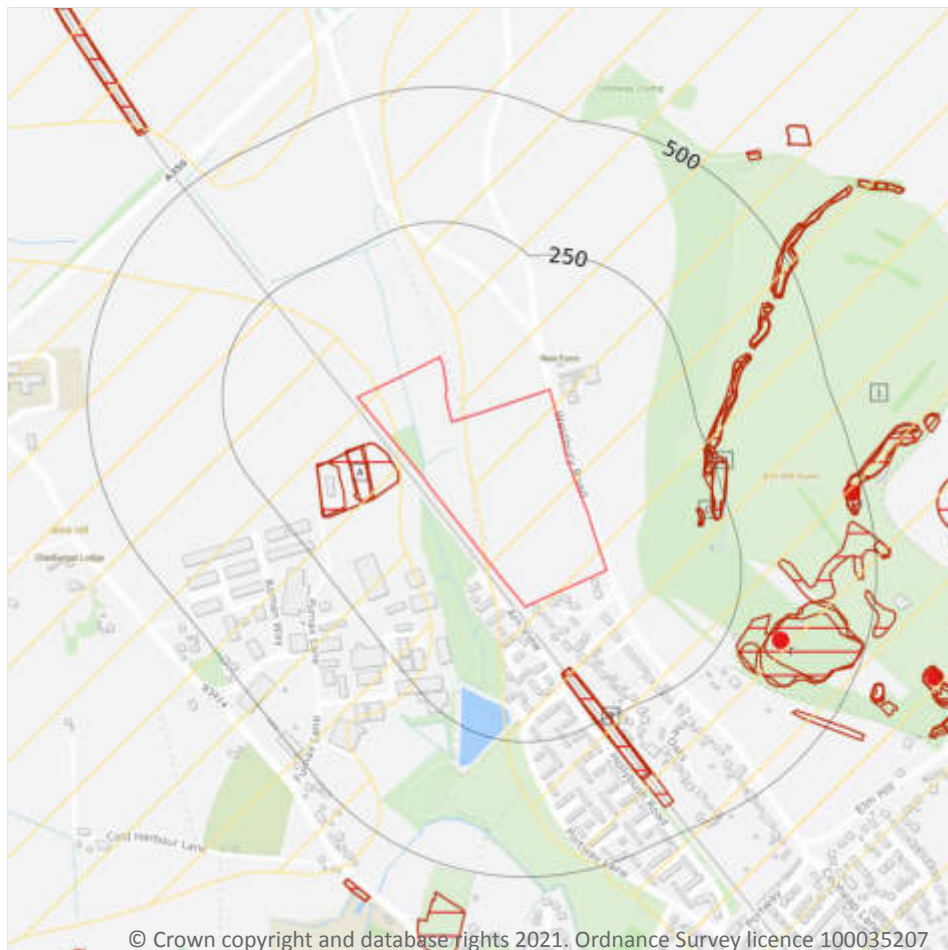
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

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.

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 Peter Brett Associates (PBA).

18.2 BritPits

Records within 500m

2

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 109**

ID	Location	Details	Description
F	347m E	Name: Warminster Quarry Address: WARMINSTER, Wiltshire Commodity: Chalk 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	476m E	Name: Arn Hill Down Quarries Address: WARMINSTER, Wiltshire Commodity: Chalk 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

17

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 109**

ID	Location	Land Use	Year of mapping	Mapping scale
A	24m SW	Unspecified Heap	1992	1:10000
A	24m SW	Unspecified Heap	1973	1:10000
A	48m SW	Refuse Heap	1941	1:10560
A	55m SW	Refuse Heap	1956	1:10560
A	110m SW	Refuse Heap	1923	1:10560
B	137m SE	Cuttings	1956	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
B	137m SE	Cuttings	1941	1:10560
B	146m SE	Cuttings	1886	1:10560
C	188m E	Unspecified Ground Workings	1956	1:10560
C	190m E	Unspecified Ground Workings	1941	1:10560
C	190m E	Unspecified Ground Workings	1886	1:10560
D	219m E	Unspecified Old Quarries	1899	1:10560
D	219m E	Unspecified Pits	1956	1:10560
D	221m E	Unspecified Ground Workings	1941	1:10560
D	221m E	Unspecified Ground Workings	1886	1:10560
D	228m E	Unspecified Ground Workings	1941	1:10560
D	228m E	Unspecified Ground Workings	1886	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

0

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.

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

1

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).

Features are displayed on the Mining, ground workings and natural cavities map on **page 109**

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

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 Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site

0

Areas which could be affected by former coal 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 Mining Searches UK.

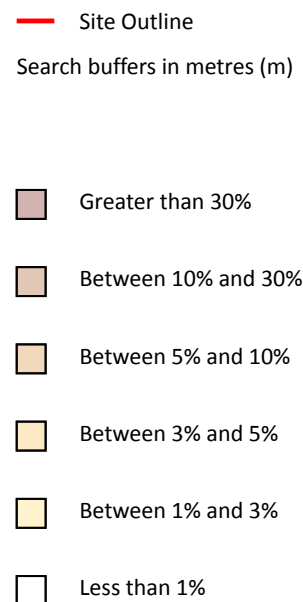
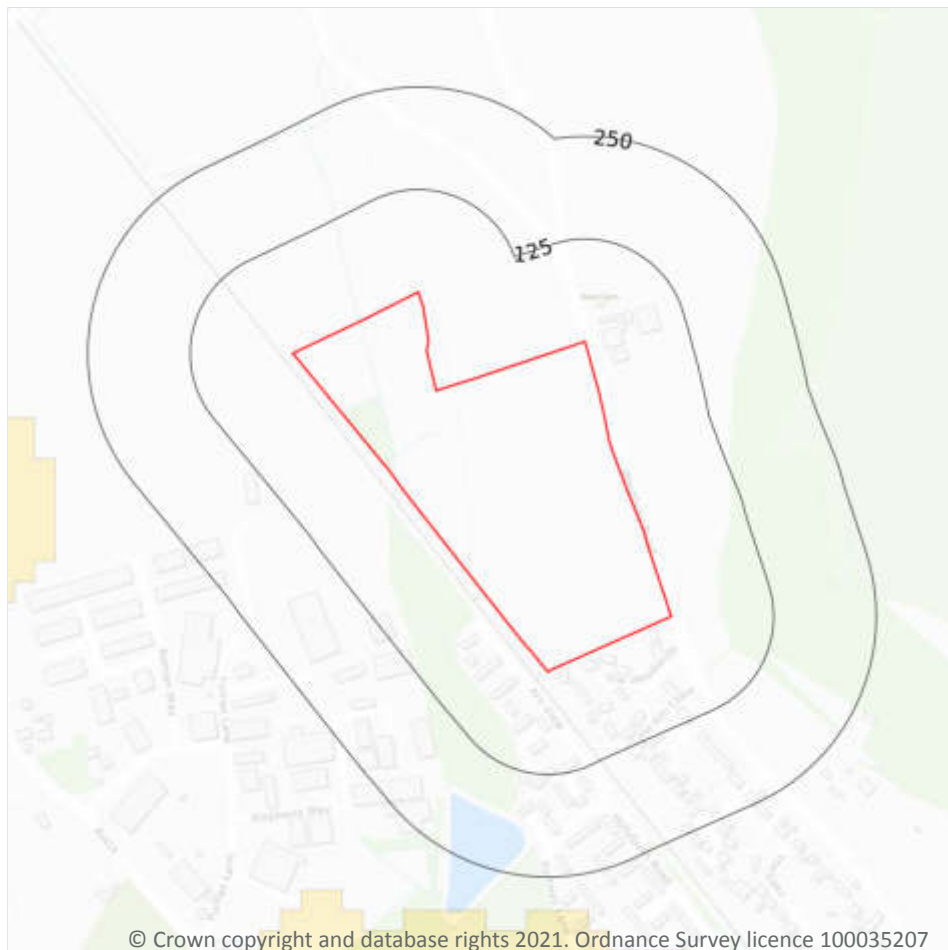
18.13 Clay mining

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



19.1 Radon

Records on site

1

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 114**

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

9

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 km². 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 km²; 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 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 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 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 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
21m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 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 km²).

This data is sourced from the British Geological Survey.



20.3 BGS Measured Urban Soil Chemistry

Records within 50m

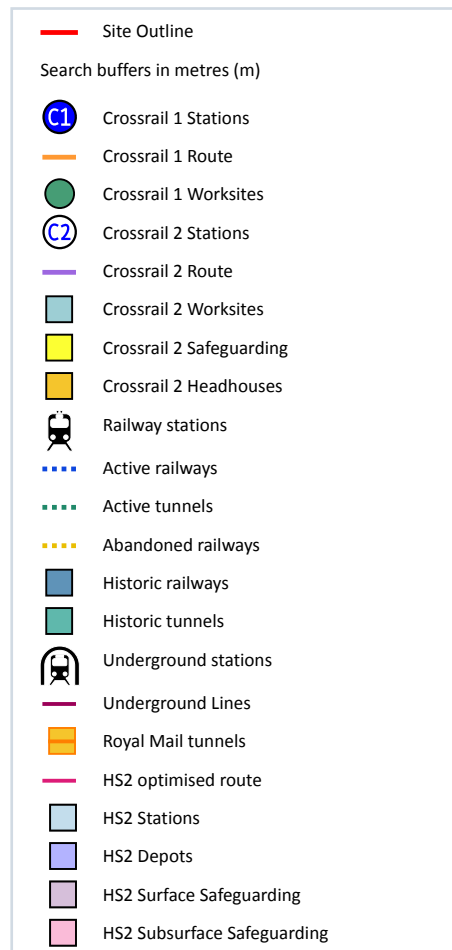
0

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 km².

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

5

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on **page 117**

Location	Name	Type
10m SW	-	rail
13m SW	Not given	Multi Track
13m SW	Wessex Main Line	rail
131m SE	Not given	Multi Track
239m SE	Not given	Multi Track

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

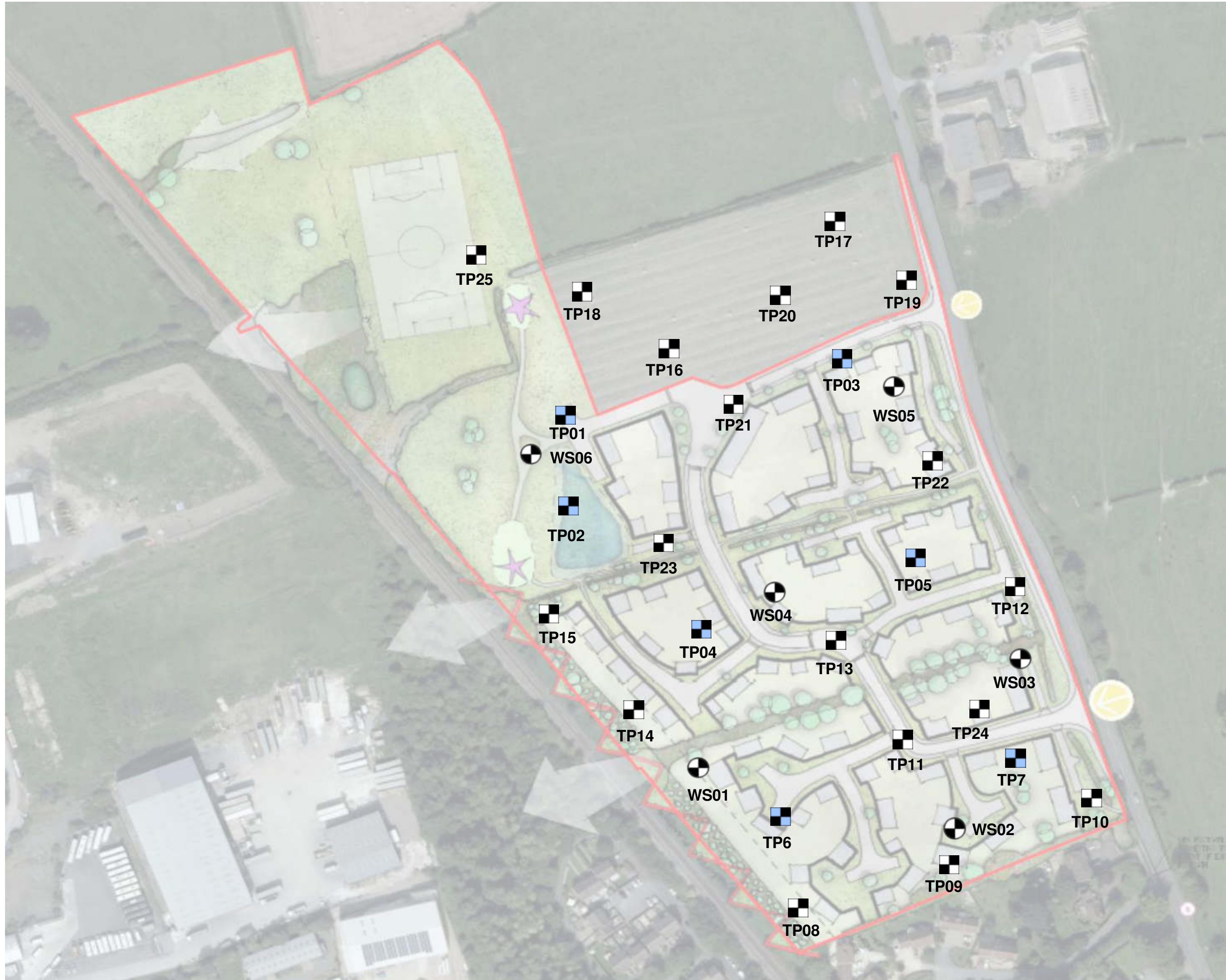
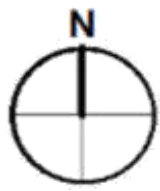
Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference>.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: <https://www.groundsure.com/terms-and-conditions-jan-2020/>.



D Exploratory Hole Plan



Hole Locations Approximate. Sizes exaggerated for clarity.

Locations positioned by hand held GPS.

Key

-  Machine Excavated Trial Pit
-  Windowless Sampler Borehole
-  Soakaway Test

clarkebond

MULTIDISCIPLINARY ENGINEERING CONSULTANTS

The Cocoa House
129 Cumberland Road
Bristol BS1 6UY

tel +44 (0) 117 929 2244
fax +44 (0) 117 929 3095
e-mail bristol@clarkebond.com
web www.clarkebond.com

Bristol Exeter London

Client

Barratt Homes Bristol

Project

New Farm, Warminster

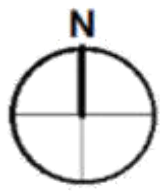
Drawing Title

Exploratory Hole Location Plan

Purpose of Issue

Information

Clarkebond Project No. E05548					Status S2		
Project E05548	Originator CLK	Volume XX	Level XX	Type DR	Role GE	Dwg No. 0001	
Scale N/A		Date 22/02/2021			Revision P1		
Drawn JY	Checked TT		Sheet Size A3				



Hole Locations Approximate. Sizes exaggerated for clarity.

Locations positioned by hand held GPS.

Key

0.80 Depth to founding strata

clarkebond

MULTIDISCIPLINARY ENGINEERING CONSULTANTS

The Cocoa House
129 Cumberland Road
Bristol BS1 6UY

tel +44 (0) 117 929 2244
fax +44 (0) 117 929 3095
e-mail bristol@clarkebond.com
web www.clarkebond.com

Bristol Exeter London

Client
Barratt Homes Bristol

Project
New Farm, Warminster

Drawing Title
Depth to competent founding strata

Purpose of Issue
Information

Clarkebond Project No. E05548				Status S2		
Project E05548	Originator CLK	Volume XX	Level XX	Type DR	Role GE	Dwg No. 0002
Scale N/A		Date 22/02/2021			Revision P1	
Drawn JY	Checked TT		Sheet Size A3			

E Exploratory Hole Logs & Photos

clarkebond			Trial Pit Log					Trial Pit No.: TP01	
Project Name: New Farm, Warminster				Co-Ordinates: 386963 E 146385 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
1.00	D		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)			
1.50 1.50	B E		1.60		Soft to firm light grey sandy gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)				
						End of Pit at 1.60m			
1.70						General Remarks: Heavy seepage/groundwater encountered at 1.5m. Refusal on Chalk at 1.6m.	Logged By: JY		
0.60							Approved By: TT		
Stability: Stable							Scale: 1:25		
Shoring: N/A							Method/Plant Used: JCB 3CX		
								Sheet 1 of 1	

clarkebond		Trial Pit Log					Trial Pit No.: TP02		
Project Name: New Farm, Warminster				Co-Ordinates: 386964 E 146341 N			Start: 20/01/2021		
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021		
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
1.00 1.00 1.50	D E		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL) Soft light grey to brown silty sandy friable CLAY. (HEAD DEPOSITS)	0.5		
			0.80						Light grey to off white gravelly silty friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)
	1.80		End of Pit at 1.80m						
							2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.90				General Remarks: Heavy seepage/groundwater encountered at 1.2m.			Logged By: JY		
							Approved By: TT		
							Scale: 1:25		
							Sheet 1 of 1		
Stability: Stable				Method/Plant Used: JCB 3CX					
Shoring: N/A									

clarkebond		Trial Pit Log					Trial Pit No.: TP03		
Project Name: New Farm, Warminster				Co-Ordinates: 387094 E 146416 N			Start: 20/01/2021		
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021		
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.10	E		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
0.50	D					Light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)			
1.00	D								
1.50	B					Light silty slightly clayey GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)			
			1.40				1.5		
			1.80			End of Pit at 1.80m	2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
2.10					General Remarks: Soakaway Test Performed.			Logged By: JY	
0.60								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX				
Shoring: N/A									

clarkebond		Trial Pit Log					Trial Pit No.: TP04	
Project Name: New Farm, Warminster				Co-Ordinates: 387021 E 146276 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.50	D		0.30			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5	
			0.60			Firm light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)		
1.50	D		1.50			Highly to moderately weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)		
						End of Pit at 1.50m	1.5	
							2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
1.20						General Remarks: Soakaway Test Performed.	Logged By: JY	
0.60							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable						Method/Plant Used: JCB 3CX		
Shoring: N/A								

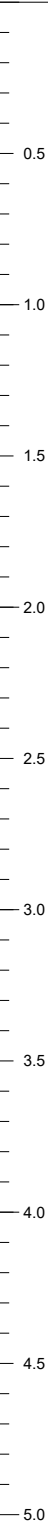
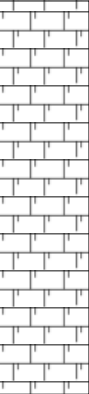
clarkebond			Trial Pit Log					Trial Pit No.: TP05	
Project Name: New Farm, Warminster				Co-Ordinates: 387130 E 146313 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.40	D		0.30			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
			0.50			Soft to firm light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS) Moderately weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)			
1.00	D		1.70			End of Pit at 1.70m	1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0		
1.70					General Remarks: Soakaway Test Performed. Refusal on Chalk at 1.7m.			Logged By: JY	
0.60								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX				
Shoring: N/A									

clarkebond		Trial Pit Log					Trial Pit No.: TP06	
Project Name: New Farm, Warminster				Co-Ordinates: 387066 E 146182 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.10	E		0.25			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5	
						Soft to firm light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk and flint nodules. (HEAD DEPOSITS)		
						Moderately weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)		
1.50	D		1.00				1.0	
			1.90				1.5	
						End of Pit at 1.90m	2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
1.60					General Remarks: Soakaway Test Performed.		Logged By: JY	
0.60							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX			
Shoring: N/A								

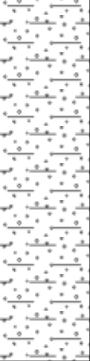
clarkebond		Trial Pit Log					Trial Pit No.: TP07		
Project Name: New Farm, Warminster				Co-Ordinates: 387175 E 146212 N			Start: 20/01/2021		
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021		
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
1.00 1.00	D E		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)			
			0.80		Soft brown to grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk and flint nodules. (HEAD DEPOSITS)	0.5			
			1.60		Moderately weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0 1.5			
End of Pit at 1.60m							1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0		
1.30					General Remarks: Soakaway Test Performed.			Logged By: JY	
0.60								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX				
Shoring: N/A									

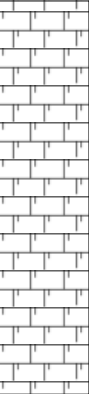
[illegible]

clarkebond		Trial Pit Log					Trial Pit No.: TP09	
Project Name: New Farm, Warminster				Co-Ordinates: 387149 E 146156 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
1.00	D		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5	
			1.30			Light grey to off white silty slightly gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)		
2.00	D		2.30			Moderately to highly weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.5	
						End of Pit at 2.30m	2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
1.70						General Remarks:		Logged By:
0.60						No groundwater encountered.		JY
								Approved By:
								TT
Stability: Stable								Scale:
Shoring: N/A						Method/Plant Used: JCB 3CX		1:25
								Sheet 1 of 1

clarkebond		Trial Pit Log					Trial Pit No.: TP10	
Project Name: New Farm, Warminster				Co-Ordinates: 387216 E 146184 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.10	E		0.15			Dark brown very sandy SILT with occasional rootlets observed. (TOPSOIL)		
					Light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk and flint nodules. (HEAD DEPOSITS)			
1.00	E		0.70			Highly weathered closely fissured very weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)		
			2.00			End of Pit at 2.00m		
2.10						General Remarks: No groundwater encountered.	Logged By: JY	
0.60							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable						Method/Plant Used: JCB 3CX		
Shoring: N/A								

clarkebond		Trial Pit Log					Trial Pit No.: TP11	
Project Name: New Farm, Warminster				Co-Ordinates: 387122 E 146221 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
1.00	D		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5	
			0.90			Light grey to off white clayey silty GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)		
1.50	E		1.60			Moderately weathered closely fissured weak light grey silty CHALK with chalky clay along fissures. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0	
						End of Pit at 1.60m	1.5	
							2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
1.70						General Remarks: No groundwater encountered. Refusal on Chalk at 1.6m.	Logged By: JY	
0.60							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable						Method/Plant Used: JCB 3CX		
Shoring: N/A								

clarkebond			Trial Pit Log					Trial Pit No.: TP12	
Project Name: New Farm, Warminster				Co-Ordinates: 387180 E 146298 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
1.00 1.00	D E		0.10			Dark brown very sandy SILT with occasional rootlets observed. (TOPSOIL) Soft to firm light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5		
			0.80						1.0
			2.00			End of Pit at 2.00m	2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.60					General Remarks: No groundwater encountered.			Logged By: JY	
								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX				
Shoring: N/A									

clarkebond			Trial Pit Log					Trial Pit No.: TP13	
Project Name: New Farm, Warminster				Co-Ordinates: 387102 E 146267 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
1.00	E		0.20			Dark brown very sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
			0.70			Light grey to off white clayey silty GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)			
2.00	E		2.00			Highly weathered closely fissured very weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0		
							1.5		
						End of Pit at 2.00m	2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.80 0.60						General Remarks: No groundwater encountered.	Logged By: JY		
							Approved By: TT		
							Scale: 1:25		
							Sheet 1 of 1		
Stability: Stable						Method/Plant Used: JCB 3CX			
Shoring: N/A									

clarkebond			Trial Pit Log					Trial Pit No.: TP14	
Project Name: New Farm, Warminster				Co-Ordinates: 386996 E 146227 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.10	E		0.10			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)			
0.60	D					Soft to firm light grey silty very gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5		
1.00	D					Moderately weathered closely fissured weak light grey silty CHALK with chalky clay along fissures. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0		
			1.70			End of Pit at 1.80m	1.5		
			1.80				2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.80					General Remarks: No groundwater encountered. Refusal on Chalk at 1.2m.			Logged By: JY	
0.60								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX				
Shoring: N/A									

clarkebond			Trial Pit Log					Trial Pit No.: TP15	
Project Name: New Farm, Warminster				Co-Ordinates: 386953 E 146285 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.60	D		0.10			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
			0.70			Soft to firm light grey silty very gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)			
1.50	D		1.70			Moderately to highly weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0		
									1.5
						End of Pit at 1.70m	2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.90						General Remarks: No groundwater encountered. Refusal on Chalk at 1.7m.	Logged By: JY		
0.60							Approved By: TT		
							Scale: 1:25		
							Sheet 1 of 1		
Stability: Stable						Method/Plant Used: JCB 3CX			
Shoring: N/A									

clarkebond			Trial Pit Log					Trial Pit No.: TP16	
Project Name: New Farm, Warminster				Co-Ordinates: 387012 E 146420 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.60	D		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
			0.80			Soft to firm light grey silty very gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)			
1.00	B					Highly weathered closely fissured very weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0		
			2.00			End of Pit at 2.00m	2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.76					General Remarks: Soakaway Test Performed.			Logged By: JY	
0.60								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX				
Shoring: N/A									

clarkebond						Trial Pit Log							Trial Pit No.: TP17			
Project Name: New Farm, Warminster								Co-Ordinates: 387089 E 146485 N							Start: 20/01/2021	
Project Number: E05548								Ground Level (m OD):							End: 21/01/2021	
Samples and In Situ Testing						Depth (m)	Level (m OD)	Legend	Stratum Description						Water Strike	Well
Depth (m)		Type	Results													
0.60		D		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)						0.5			
							Soft to firm light grey silty very gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)									
	1.00 1.00	D E					Moderately weathered closely fissured moderately weak light grey silty CHALK with chalky clay along fissures. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION) End of Pit at 1.90m								1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0	
Stability: Stable								General Remarks: No groundwater encountered. Refusal on Chalk at 1.8m.						Logged By: JY		
Shoring: N/A														Approved By: TT		
								Method/Plant Used: JCB 3CX						Scale: 1:25		
														Sheet 1 of 1		

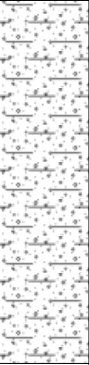
clarkebond			Trial Pit Log					Trial Pit No.: TP18	
Project Name: New Farm, Warminster				Co-Ordinates: 386973 E 146450 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.10	E		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)			
						Soft to firm light grey silty very gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5		
1.00	D		1.10			Light grey to off white clayey silty GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)	1.0		
1.50	B						1.5		
			1.80			End of Pit at 1.80m	1.80		
							2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
2.10					General Remarks: Heavy seepage/groundwater encountered at 1.8m. Refusal on Chalk at 1.8m.		Logged By: JY		
0.60							Approved By: TT		
							Scale: 1:25		
							Sheet 1 of 1		
Stability: Stable					Method/Plant Used: JCB 3CX				
Shoring: N/A									

clarkebond		Trial Pit Log					Trial Pit No.: TP19	
Project Name: New Farm, Warminster				Co-Ordinates: 387125 E 146453 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.70 1.00 1.00	D D E		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0	
			0.80			Soft light grey silty slightly gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)		
					1.60			
End of Pit at 1.60m								
0.60 2.00						General Remarks: No groundwater encountered. Refusal on Chalk at 1.9m.		Logged By: JY
								Approved By: TT
Stability: Stable								Scale: 1:25
Shoring: N/A						Method/Plant Used: JCB 3CX		Sheet 1 of 1

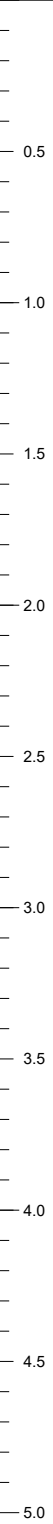
clarkebond		Trial Pit Log					Trial Pit No.: TP20		
Project Name: New Farm, Warminster				Co-Ordinates: 387067 E 146447 N			Start: 20/01/2021		
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021		
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.80 0.80	D E		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
					Soft light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)				
			0.90			Moderately weathered closely fissured moderately weak light grey silty CHALK with chalky clay along fissures. (Grade C4)			1.0
			1.20			(WEST MELBURY MARLY CHALK FORMATION) End of Pit at 1.20m			
							1.5		
							2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.80						General Remarks: No groundwater encountered. Refusal on Chalk at 1.2m.	Logged By: JY		
0.60							Approved By: TT		
							Scale: 1:25		
							Sheet 1 of 1		
Stability: Stable						Method/Plant Used: JCB 3CX			
Shoring: N/A									

clarkebond		Trial Pit Log					Trial Pit No.: TP21	
Project Name: New Farm, Warminster				Co-Ordinates: 387044 E 146392 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
1.00	D		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5	
						Soft to firm light grey silty friable CLAY. (HEAD DEPOSITS)		
1.50	D		1.00			Light grey silty very clayey GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)	1.0	
2.00	D		2.10			End of Pit at 2.10m	1.5	
2.00	E						2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
0.60						General Remarks: No groundwater encountered. Refusal on Chalk at 2.0m.		Logged By: JY
								Approved By: TT
								Scale: 1:25
								Sheet 1 of 1
Stability: Stable						Method/Plant Used: JCB 3CX		
Shoring: N/A								

clarkebond			Trial Pit Log				Trial Pit No.: TP22	
Project Name: New Farm, Warminster			Co-Ordinates: 387142 E 146375 N				Start: 20/01/2021	
Project Number: E05548			Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.10	E		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)		
0.70	D		0.80			Light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5	
1.20	D		1.40			Light grey silty very clayey GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)	1.0	
						End of Pit at 1.40m	1.5	
							2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
2.40 0.60						General Remarks: No groundwater encountered. Refusal on Chalk at 1.4m.	Logged By: JY	
							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable			Method/Plant Used: JCB 3CX					
Shoring: N/A								

clarkebond		Trial Pit Log					Trial Pit No.: TP23		
Project Name: New Farm, Warminster				Co-Ordinates: 387011 E 146320 N			Start: 20/01/2021		
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021		
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
1.00	D		0.20			Dark brown sandy silt with brick fragments. (MADE GROUND)	0.5		
						Soft light grey sandy gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)			
1.50	D		1.30			Light grey clayey sandy GRAVEL of fine to coarse sub-angular to sub-rounded chalk and flint nodules. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)	1.5		
2.00	B		2.50			End of Pit at 2.50m	2.0		
									2.5
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
2.10					General Remarks: No groundwater encountered.			Logged By: JY	
0.60 								Approved By: TT	
Stability: Stable					Method/Plant Used: JCB 3CX			Scale: 1:25	
Shoring: N/A								Sheet 1 of 1	

clarkebond			Trial Pit Log					Trial Pit No.: TP24	
Project Name: New Farm, Warminster				Co-Ordinates: 387160 E 146236 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.70	D		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
						Light grey clayey silty GRAVEL of fine to coarse sub-angular to sub-rounded chalk and flint nodules. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)			
1.00	D		2.00				1.0		
1.00	E								
1.50	B						1.5		
						End of Pit at 2.00m	2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.80					General Remarks: No groundwater encountered.			Logged By: JY	
0.60								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX				
Shoring: N/A									

clarkebond			Trial Pit Log					Trial Pit No.: TP25	
Project Name: New Farm, Warminster				Co-Ordinates: 386921 E 146468 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
			0.20			Grass over, dark brown sandy SILT with occasional rootlets. (TOPSOIL)			
			0.80			Soft dark brown sandy CLAY. (HEAD DEPOSITS)			
					2.00				Firm light grey to brown sandy gravelly CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)
			End of Pit at 2.00m						
0.60 1.90						General Remarks: No groundwater encountered.		Logged By: JY	
								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable						Method/Plant Used: JCB 3CX			
Shoring: N/A									



TP01



TP01 Arisings



TP02



TP02 Arisings



TP03



TP03 Arisings



TP04



TP04 Arisings



TP05



TP05 Arisings



TP07



TP07 Arisings



TP08



TP08 Arisings



TP09



TP09 Arisings



TP10



TP10 Arisings



TP11



TP11 Arisings



TP12



TP12 Arisings



TP13



TP13 Arisings



TP14



TP14 Arisings



TP16



TP16 Arisings

clarkebond



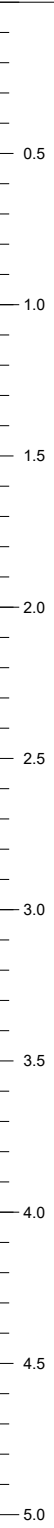
TP25



TP25 Arisings

clarkebond				Windowless Sample Borehole Log					Borehole No.: WS01			
Project Name: New Farm, Warminster				Co-Ordinates: 387023.00 E 146205.00 N					Start: 29/01/2021			
Project Number: E05548				Ground Level:					End: 29/01/2021			
Samples and In Situ Testing			Casing/ Water Depth	Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well			
Depth (m)	Type	Results										
0.10	E	HVR=50		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL) Firm medium strength light grey silty friable CLAY. (HEAD DEPOSITS)	0.5				
0.50 0.60	D											
1.00	SPT	50 (25 for 135mm/50 for 40mm)		1.00			Very dense light grey clayey silty GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (WEATHERED WEST MELBURY MARLY CHALK FORMATION) End of Borehole at 1.00m	1.0				
								1.5				
								2.0				
								2.5				
								3.0				
								3.5				
								4.0				
								4.5				
								5.0				
Drilling Run Details					Water Strikes				General Remarks:		Logged By:	
Depth Top (m)	Depth Base (m)	Diameter (mm)	Sample Recovery (%)	Remarks	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	No groundwater encountered. Refusal on Chalk at 1.0m.		JY	
											Approved By:	
											TT	
											Scale:	
											1:25	
Method/Plant Used: Archway Dart Rig									Sheet 1 of 1			

clarkebond				Windowless Sample Borehole Log					Borehole No.: WS03		
Project Name: New Farm, Warminster					Co-Ordinates: 387193.00 E 146259.00 N					Start: 29/01/2021	
Project Number: E05548					Ground Level:					End: 29/01/2021	
Samples and In Situ Testing				Casing/ Water Depth	Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results									
0.10	E			0.20				Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)			
1.00	SPT	N=50 (4,9/50 for 255mm)		1.50				Very dense light grey slightly clayey sandy GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)	0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0		
End of Borehole at 1.50m											
Drilling Run Details					Water Strikes				General Remarks:		Logged By:
Depth Top (m)	Depth Base (m)	Diameter (mm)	Sample Recovery (%)	Remarks	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	No groundwater encountered. Refusal on Chalk at 1.5m.	JY	
										Approved By:	
										TT	
										Scale:	
Method/Plant Used: Archway Dart Rig									Sheet 1 of 1		

clarkebond				Windowless Sample Borehole Log					Borehole No.: WS04		
Project Name: New Farm, Warminster						Co-Ordinates: 387069.00 E 146283.00 N				Start: 29/01/2021	
Project Number: E05548						Ground Level:				End: 29/01/2021	
Samples and In Situ Testing					Casing/ Water Depth	Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results									
1.00 1.00 1.00	SPT D E	N=50 (9,10/50 for 260mm)			0.30	1.30		Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)			
								Very dense light grey clayey sandy GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)			
							End of Borehole at 1.30m				
Drilling Run Details					Water Strikes				General Remarks:		Logged By:
Depth Top (m)	Depth Base (m)	Diameter (mm)	Sample Recovery (%)	Remarks	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	No groundwater encountered. Refusal on Chalk at 1.3m.	JY	
										Approved By:	
										TT	
										Scale:	
										1:25	
									Method/Plant Used: Archway Dart Rig	Sheet 1 of 1	

clarkebond				Windowless Sample Borehole Log					Borehole No.: WS05		
Project Name: New Farm, Warminster					Co-Ordinates: 386948.00 E 146366.00 N					Start: 29/01/2021	
Project Number: E05548					Ground Level:					End: 29/01/2021	
Samples and In Situ Testing				Casing/ Water Depth	Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results									
0.10	E	50 (25 for 125mm/50 for 240mm)		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5			
0.50	D										
0.70											
1.00											
1.00	SPT			1.00			End of Borehole at 1.00m	1.0			
1.00	D										
1.00	E										
Drilling Run Details					Water Strikes				General Remarks:		Logged By:
Depth Top (m)	Depth Base (m)	Diameter (mm)	Sample Recovery (%)	Remarks	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	No groundwater encountered. Refusal on Chalk at 1.0m.		JY
											Approved By:
											TT
											Scale:
											1:25
Method/Plant Used: Archway Dart Rig											Sheet 1 of 1

clarkebond				Windowless Sample Borehole Log					Borehole No.: WS06	
Project Name: New Farm, Warminster				Co-Ordinates: 387122.00 E 146437.00 N					Start: 29/01/2021	
Project Number: E05548				Ground Level:					End: 29/01/2021	
Samples and In Situ Testing			Casing/ Water Depth	Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results								
0.50 0.50	D	HVR=32		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)			
0.80	D			0.90			Soft low strength light grey silty slightly gravelly CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)			
1.00	SPT	N=50 (12,11/50 for 235mm)		1.10			Very dense light grey clayey sandy GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)			
							End of Borehole at 1.10m			
Drilling Run Details					Water Strikes				General Remarks:	
Depth Top (m)	Depth Base (m)	Diameter (mm)	Sample Recovery (%)	Remarks	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	Groundwater struck at 1.0m. Refusal on Chalk at 1.1m.	
					1.00					
Method/Plant Used: Archway Dart Rig									Logged By: JY	
									Approved By: TT	
									Scale: 1:25	
									Sheet 1 of 1	

F Infiltration Test Results

clarkebond

Test Location : **TP03**
Test No : **1**
Date : **21/01/20**

TRIAL PIT SOAKAWAY

Diagram illustrating the dimensions of a Trial Pit Soakaway:

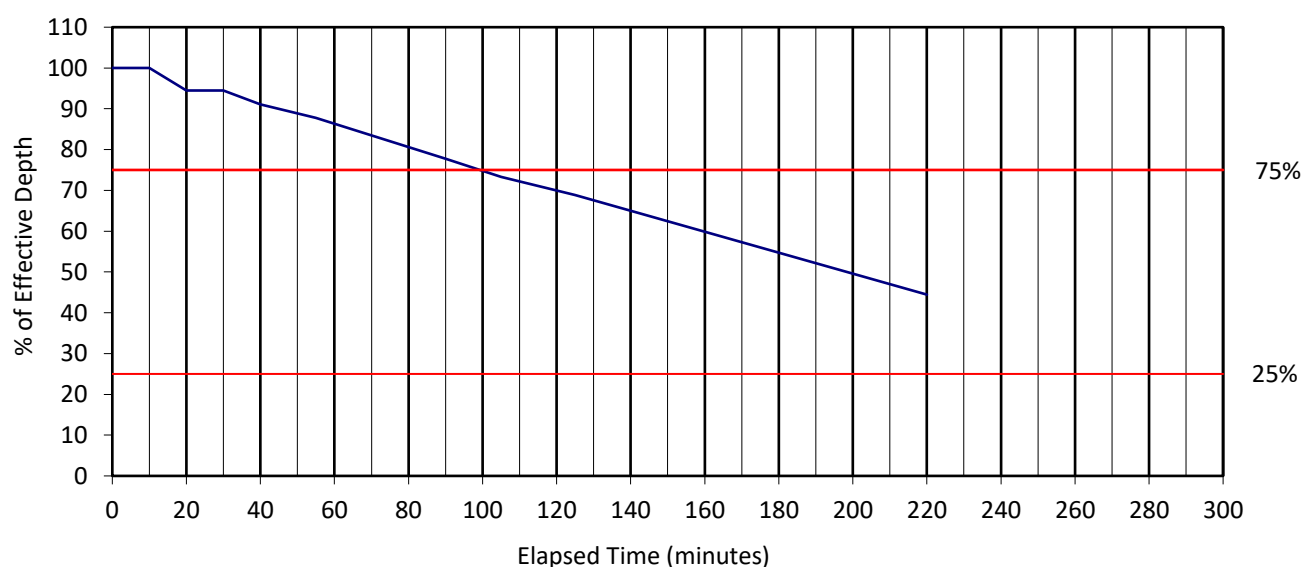
- Pit depth:** Total depth of the pit.
- Effective depth:** Depth from the water level (WL) to the bottom of the pit.
- Depth to water:** Depth from the ground level (GL) to the water level (WL).
- 75% Effective Depth:** The upper portion of the effective depth.
- 25% Effective Depth:** The lower portion of the effective depth.

Dimensions:

- Trial Pit Length = 1.70 m
- Trial Pit Width = 0.60 m
- Trial Pit Depth = 1.60 m
- Effective depth (Head of Water) = 0.90 m

	% of effective depth		
	75%	25%	
Depth	0.93	1.38	m bgl
Head	0.68	0.23	m
Time	100	-	minutes
V_{p75-25}	=	0.46	m ³
a_{p50}	=	3.09	m ²
t_{p75-25}	=	-	min

Soil Infiltration rate, f = - m/sec
- mm/hr



Remarks:

IN SITU TESTING - Soakaway Test

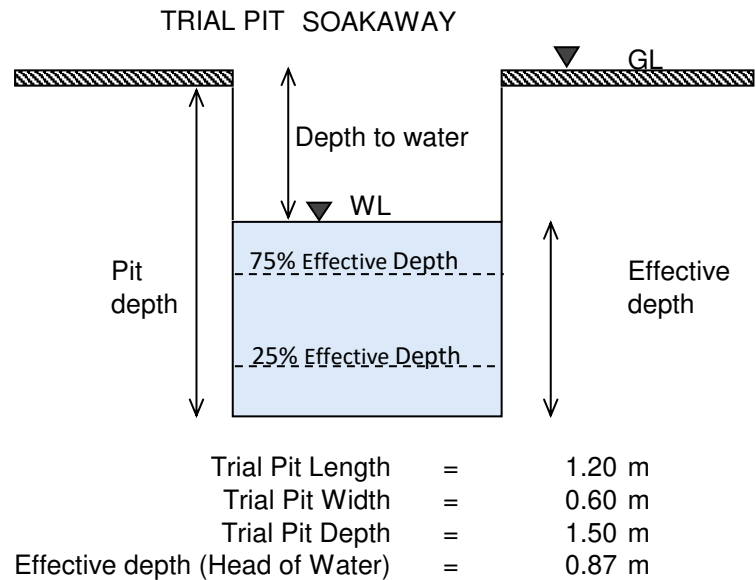
clarkebond

Project: **New Farm, Warminster**
 Project No: **E05548**
 Client: **Barratt Homes Bristol**

Test Location : **TP04**
 Test No : **1**
 Date : **20/01/21**

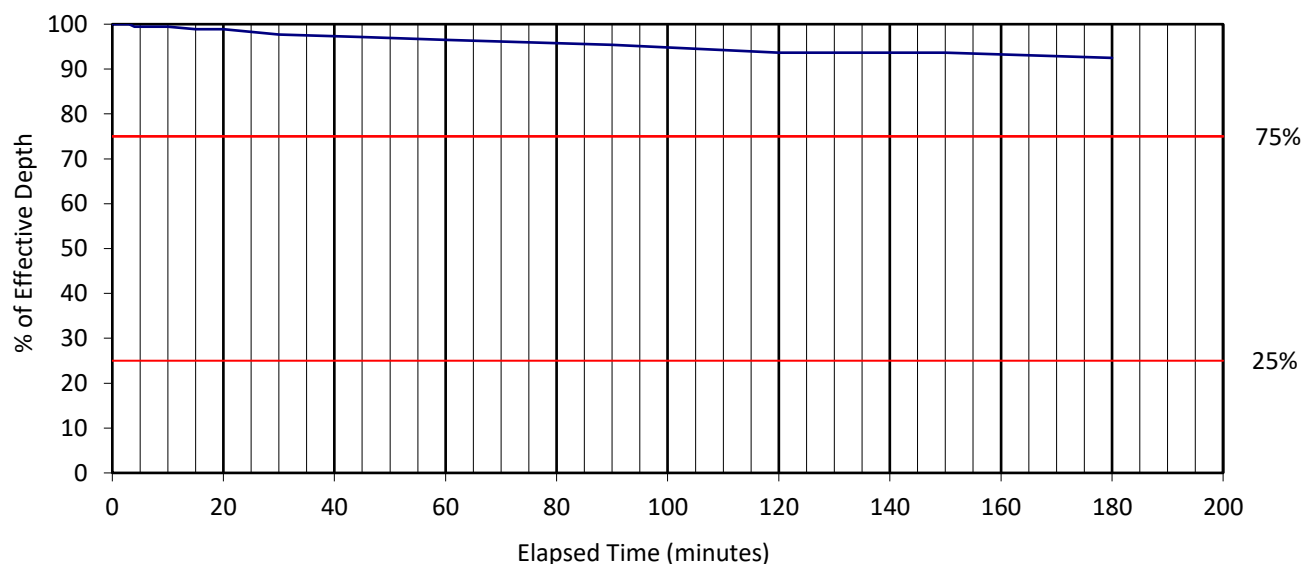
ELAPSED TIME (minutes)	DEPTH to water below ground level (m)	HEAD (m)	HEAD (% effective depth)
0.00	0.64	0.87	100
1	0.64	0.87	100
2	0.64	0.87	100
3	0.64	0.87	100
4	0.64	0.86	99
5	0.64	0.86	99
7	0.64	0.86	99
10	0.64	0.86	99
15	0.65	0.86	99
20	0.65	0.86	99
30	0.66	0.85	98
45	0.66	0.84	97
60	0.67	0.84	97
90	0.68	0.83	95
120	0.69	0.81	94
150	0.69	0.81	94
180	0.70	0.80	92

t_{p75}	=	-	minutes
t_{p25}	=	-	minutes



	% of effective depth	
	75%	25%
Depth	0.85	1.28 m bgl
Head	0.65	0.22 m
Time	-	- minutes
V_{p75-25}	=	0.31 m ³
a_{p50}	=	2.28 m ²
t_{p75-25}	=	- min

Soil Infiltration rate, f = - m/sec
 - mm/hr



Remarks:

IN SITU TESTING - Soakaway Test

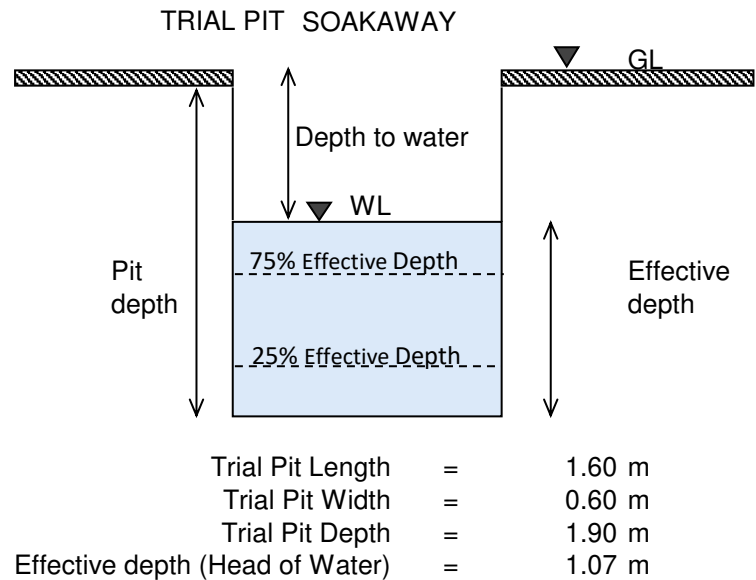
clarkebond

Project: **New Farm, Warminster**
 Project No: **E05548**
 Client: **Barratt Homes Bristol**

Test Location : **TP06**
 Test No : **1**
 Date : **20/01/21**

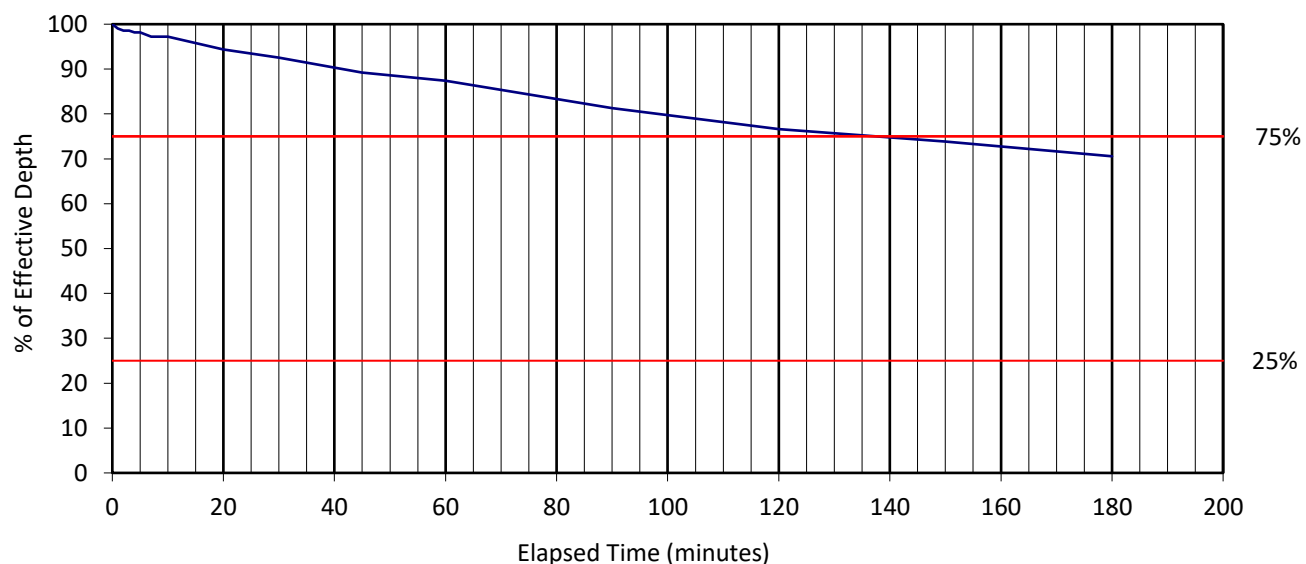
ELAPSED TIME (minutes)	DEPTH to water below ground level (m)	HEAD (m)	HEAD (% effective depth)
0	0.83	1.07	100
1	0.84	1.06	99
2	0.85	1.06	99
3	0.85	1.06	99
4	0.85	1.05	98
5	0.85	1.05	98
7	0.86	1.04	97
10	0.86	1.04	97
15	0.88	1.03	96
20	0.89	1.01	94
30	0.91	0.99	93
45	0.95	0.96	89
60	0.97	0.94	87
90	1.03	0.87	81
120	1.08	0.82	77
150	1.11	0.79	74
180	1.15	0.76	71

t_{p75}	=	135	minutes
t_{p25}	=	-	minutes



	% of effective depth	
	75%	25%
Depth	1.10	1.63
Head	0.80	0.27
Time	135	-
V_{p75-25}	=	0.51 m ³
a_{p50}	=	3.31 m ²
t_{p75-25}	=	- min

Soil Infiltration rate, f = - m/sec
 - mm/hr



Remarks:

IN SITU TESTING - Soakaway Test

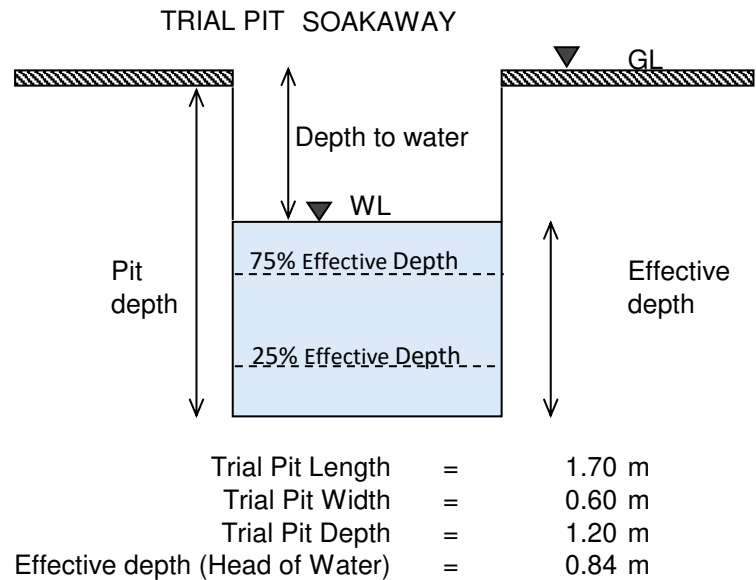
clarkebond

Project: **New Farm, Warminster**
 Project No: **E05548**
 Client: **Barratt Homes Bristol**

Test Location : **TP05**
 Test No : **1**
 Date : **20/01/21**

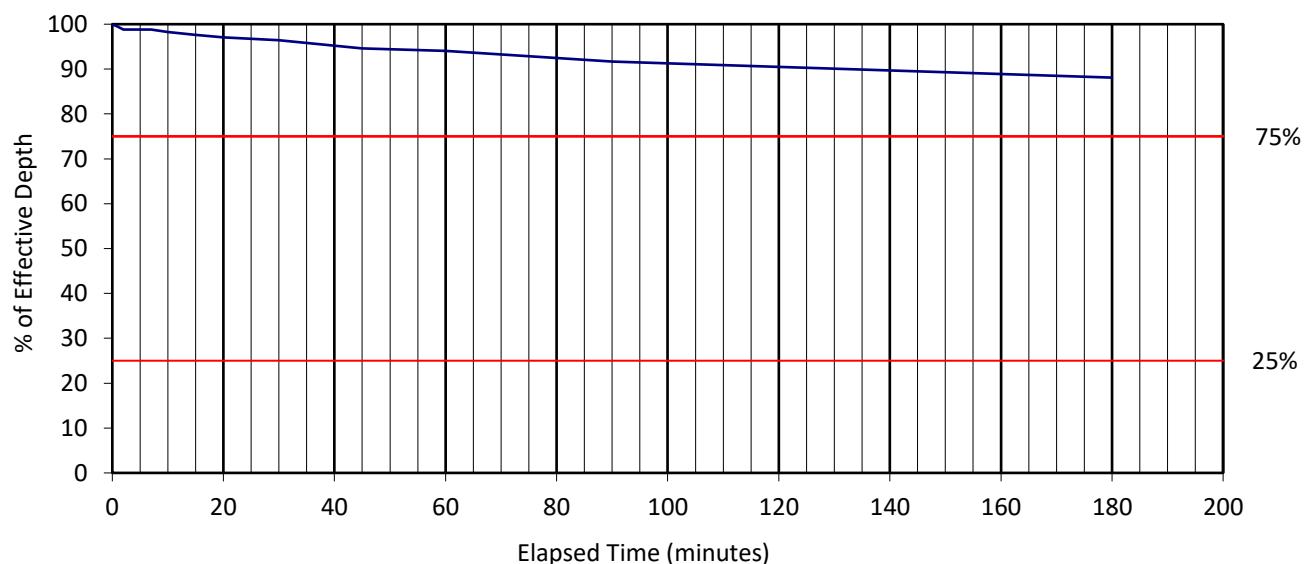
ELAPSED TIME (minutes)	DEPTH to water below ground level (m)	HEAD (m)	HEAD (% effective depth)
0	0.36	0.84	100
1	0.37	0.84	99
2	0.37	0.83	99
3	0.37	0.83	99
4	0.37	0.83	99
5	0.37	0.83	99
7	0.37	0.83	99
10	0.38	0.83	98
15	0.38	0.82	98
20	0.39	0.82	97
30	0.39	0.81	96
45	0.41	0.80	95
60	0.41	0.79	94
90	0.43	0.77	92
120	0.44	0.76	90
150	0.45	0.75	89
180	0.46	0.74	88

t_{p75}	=	32	minutes
t_{p25}	=	-	minutes



	% of effective depth		
	75%	25%	
Depth	0.57	0.99	m bgl
Head	0.63	0.21	m
Time	32	-	minutes
V_{p75-25}	=	0.43	m ³
a_{p50}	=	2.95	m ²
t_{p75-25}	=	-	min

Soil Infiltration rate, f = - m/sec
 - mm/hr



Remarks:

IN SITU TESTING - Soakaway Test

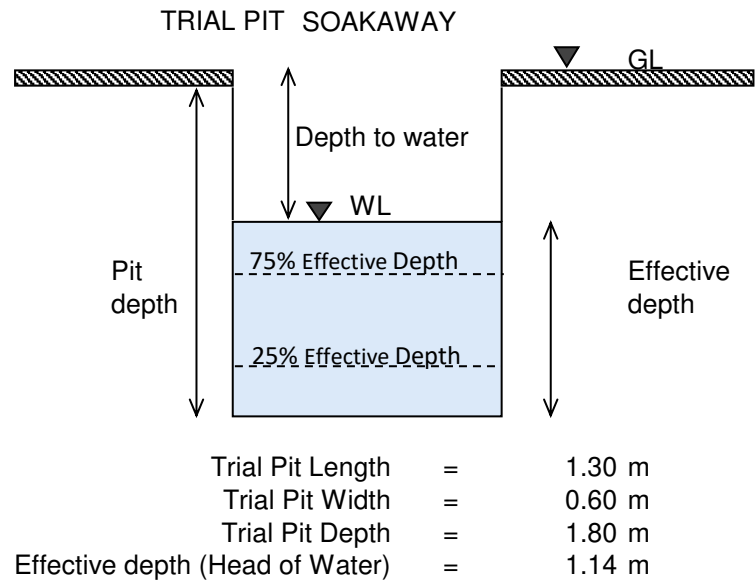
clarkebond

Project: **New Farm, Warminster**
 Project No: **E05548**
 Client: **Barratt Homes Bristol**

Test Location : **TP07**
 Test No : **1**
 Date : **20/01/21**

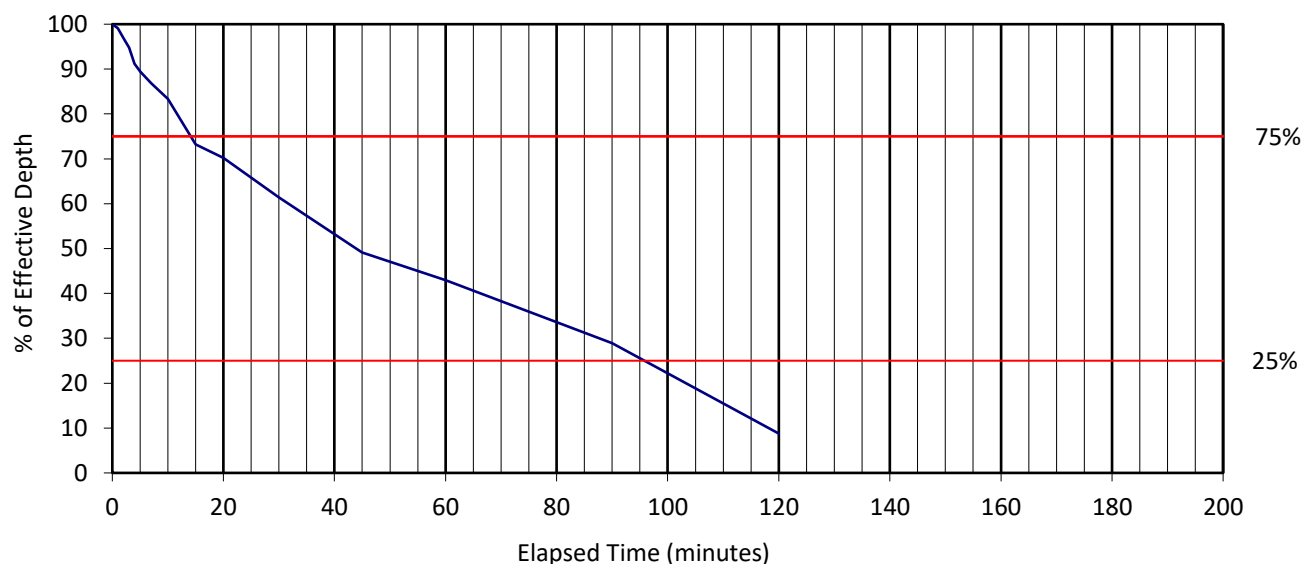
ELAPSED TIME (minutes)	DEPTH to water below ground level (m)	HEAD (m)	HEAD (% effective depth)
0	0.66	1.14	100
1	0.67	1.13	99
2	0.70	1.11	97
3	0.72	1.08	95
4	0.76	1.04	91
5	0.78	1.02	89
7	0.81	0.99	87
10	0.85	0.95	83
15	0.97	0.84	73
20	1.00	0.80	70
30	1.10	0.70	61
45	1.24	0.56	49
60	1.31	0.49	43
90	1.47	0.33	29
120	1.70	0.10	9

t_{p75}	=	15	minutes
t_{p25}	=	95	minutes



	% of effective depth		
	75%	25%	
Depth	0.95	1.52	m bgl
Head	0.86	0.29	m
Time	15	95	minutes
V_{p75-25}	=	0.44	m ³
a_{p50}	=	2.95	m ²
t_{p75-25}	=	80	min

Soil Infiltration rate, f = **3.1E-05 m/sec**
113 mm/hr



Remarks:

IN SITU TESTING - Soakaway Test

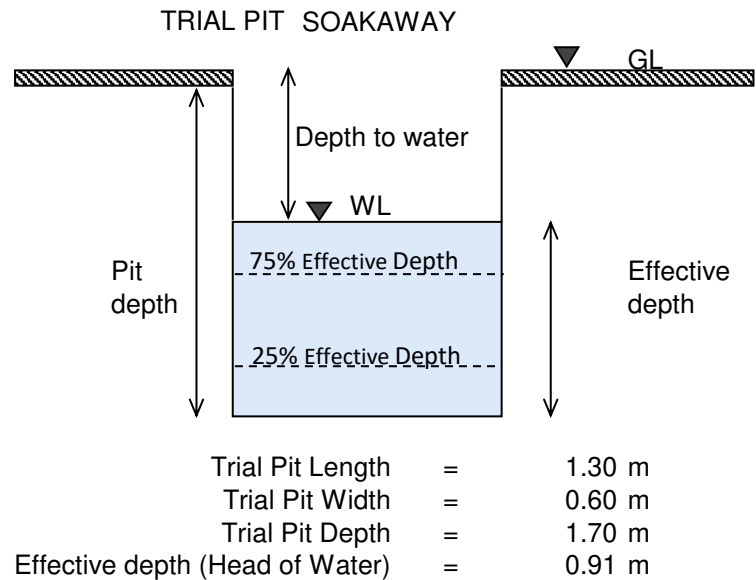
clarkebond

Project: **New Farm, Warminster**
 Project No: **E05548**
 Client: **Barratt Homes Bristol**

Test Location : **TP07**
 Test No : **2**
 Date : **20/01/21**

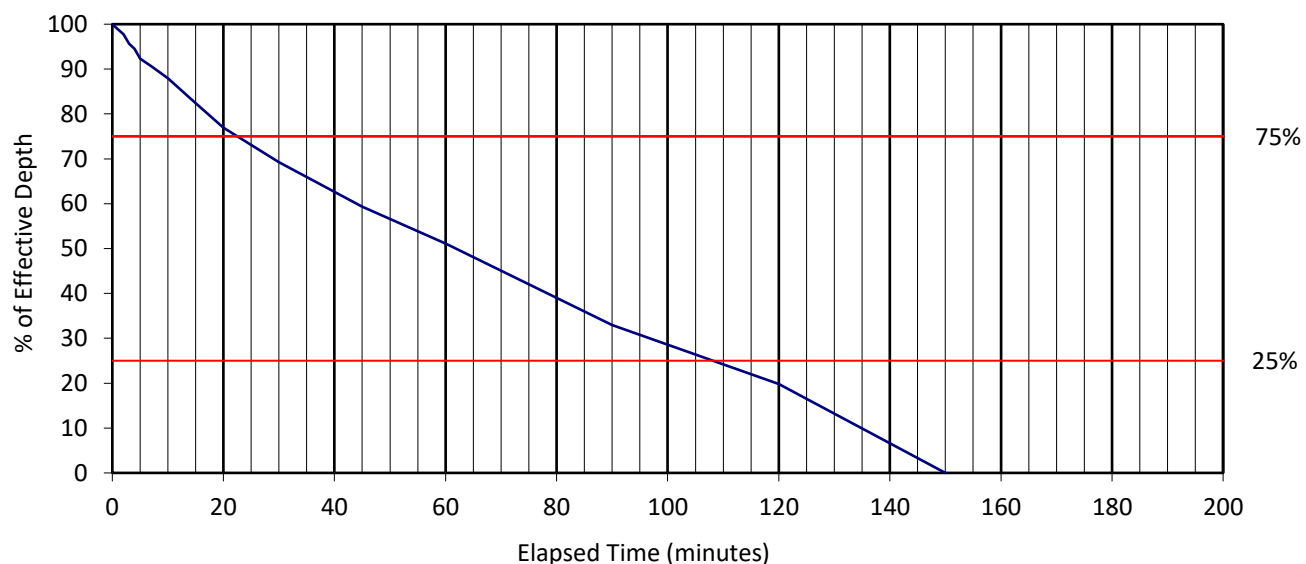
ELAPSED TIME (minutes)	DEPTH to water below ground level (m)	HEAD (m)	HEAD (% effective depth)
0	0.79	0.91	100
1	0.80	0.90	99
2	0.81	0.89	98
3	0.83	0.87	96
4	0.84	0.86	95
5	0.86	0.84	92
7	0.88	0.83	91
10	0.90	0.80	88
15	0.95	0.75	82
20	1.00	0.70	77
30	1.07	0.63	69
45	1.16	0.54	59
60	1.24	0.47	51
90	1.40	0.30	33
120	1.52	0.18	20
150	1.70	0.00	0

t_{p75}	=	22	minutes
t_{p25}	=	107	minutes



	% of effective depth	
	75%	25%
Depth	1.02	1.47 m bgl
Head	0.68	0.23 m
Time	22	107 minutes
V_{p75-25}	=	0.35 m ³
a_{p50}	=	2.51 m ²
t_{p75-25}	=	85 min

Soil Infiltration rate, f = **2.8E-05 m/sec**
100 mm/hr



Remarks:

clarkebond

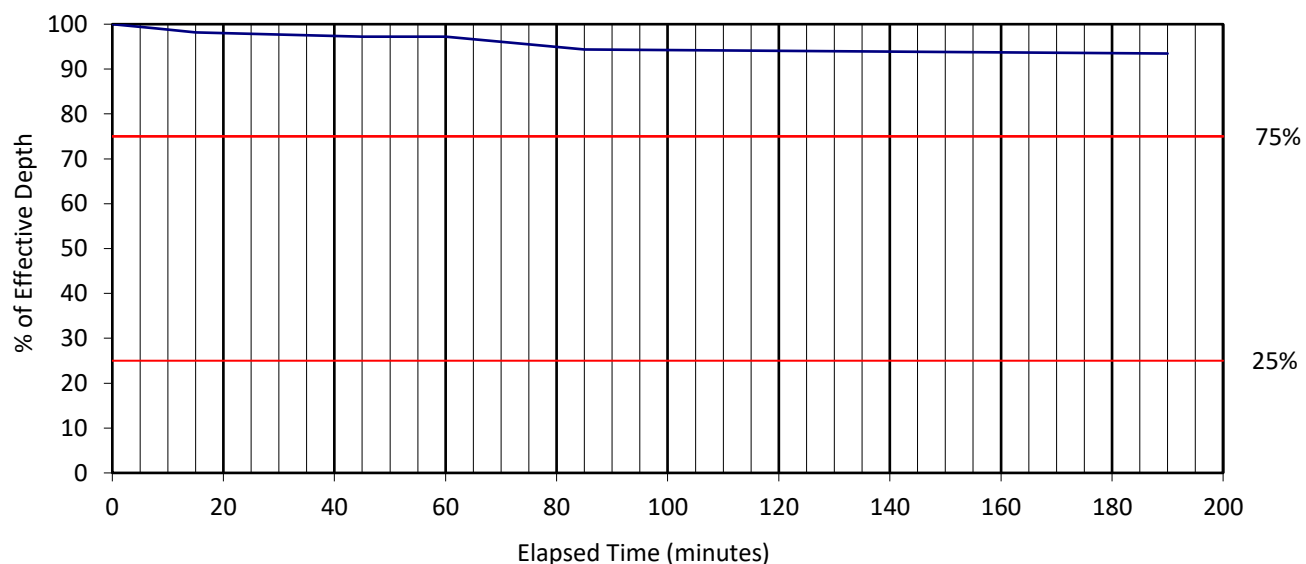
Test Location : **TP16**
Test No : **1**
Date : **21/01/21**

The diagram illustrates a cross-section of a trial pit soakaway. It shows a rectangular pit with a water level (WL) indicated by a downward-pointing triangle. The ground level (GL) is also indicated by a downward-pointing triangle on the right side. The pit is filled with water, and the water level is shown to be 75% of the effective depth from the bottom. The remaining 25% of the effective depth is the distance from the water level to the bottom of the pit. The total depth of the pit is labeled as 'Pit depth'. The distance from the ground level to the water level is labeled as 'Depth to water'. The distance from the water level to the bottom of the pit is labeled as 'Effective depth'.

Trial Pit Length	=	1.76 m
Trial Pit Width	=	0.60 m
Trial Pit Depth	=	2.00 m
Effective depth (Head of Water)	=	1.07 m

	% of effective depth		
	75%	25%	
Depth	1.20	1.73	m bgl
Head	0.80	0.27	m
Time	-	-	minutes
V_{p75-25}	=	0.56	m ³
a_{p50}	=	3.58	m ²
t_{p75-25}	=	-	min

Soil Infiltration rate, f = - m/sec
- mm/hr



Remarks:

G Monitoring Results

GAS MONITORING RESULTS

Date: 25 Feb 2021 Contract No: E05548 Contract Name: New Farm, Warminster

Weather Conditions: Overcast Atmospheric Wind Conditions: 10mph WNW ALM Pressure: 1015								Equipment used: Equipment used: GA500668 GW100-006				Data Collected By: A.MEADEN			Input Checked by : TT	
Ground Conditions: Saturated						Depth to water (m bgl)	Well depth (mbgl)	% by volume in air				(ppm)			Notes (eg, samples taken, dual installation, odours, sheens, broken headworks).	
Location	Time		Atmospheric Pressure (mb)	BH Pressure or differential (mb)	Flow (l/hr)			CH ₄	CO ₂	O ₂	LEL (%)	H ₂ S	CO	PID		
WS1		0	1015	-4.4		0.71	1.50	0.2	0.2	21.0	4	ND	ND	NA		
		15						0.2	0.6	20.9	4	ND	1	NA		
		30						0.2	0.7	20.6	4	ND	1	NA		
		60						0.2	0.9	20.4	4	ND	2	NA		
		90						0.2	1.1	20.2	4	ND	2	NA		
		120						0.2	1.2	20.2	4	ND	2	NA		
		180						0.2	1.2	20.2	4	ND	2	NA		
		240						0.2	1.2	20.2	4	ND	2	NA		
WS2		0	1012	-0.1		Dry	1.40	0.2	0.1	20.6	4	ND	ND	NA		
		15						0.2	2.7	17.4	4	ND	ND	NA		
		30						0.2	2.8	17.3	4	ND	ND	NA		
		60						0.2	2.7	17.2	4	ND	ND	NA		
		90						0.2	2.8	17.2	4	ND	ND	NA		
		120						0.2	2.8	17.2	4	ND	ND	NA		
		180						0.2	2.8	17.2	4	ND	ND	NA		
		240						0.2	2.8	17.2	4	ND	ND	NA		
WS6		0	1013	-1		Dry	2.50	0.2	0.3	20.6	4	ND	ND	NA		
		15						0.2	0.9	20.2	4	ND	ND	NA		
		30						0.2	0.9	20.1	4	ND	ND	NA		
		60						0.2	0.9	20.1	4	ND	ND	NA		
		90						0.2	0.9	20.1	4	ND	ND	NA		
		120						0.2	0.9	20.1	4	ND	ND	NA		
		180						0.2	0.9	20.1	4	ND	ND	NA		
		240						0.2	0.9	20.1	4	ND	ND	NA		
		0														
		15														
		30														
		60														
		90														
		120														
		180														
		240														
		0														
		15														
		30														
		60														
		90														
		120														
		180														
		240														

H Geotechnical Test Certificates



TEST CERTIFICATE

Liquid and Plastic Limits

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990: Clause 4.4 and 5

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

Client Reference: E05548
Job Number: 21-58133
Date Sampled: 21/01/2021
Date Received: 22/02/2021
Date Tested: 04/03/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

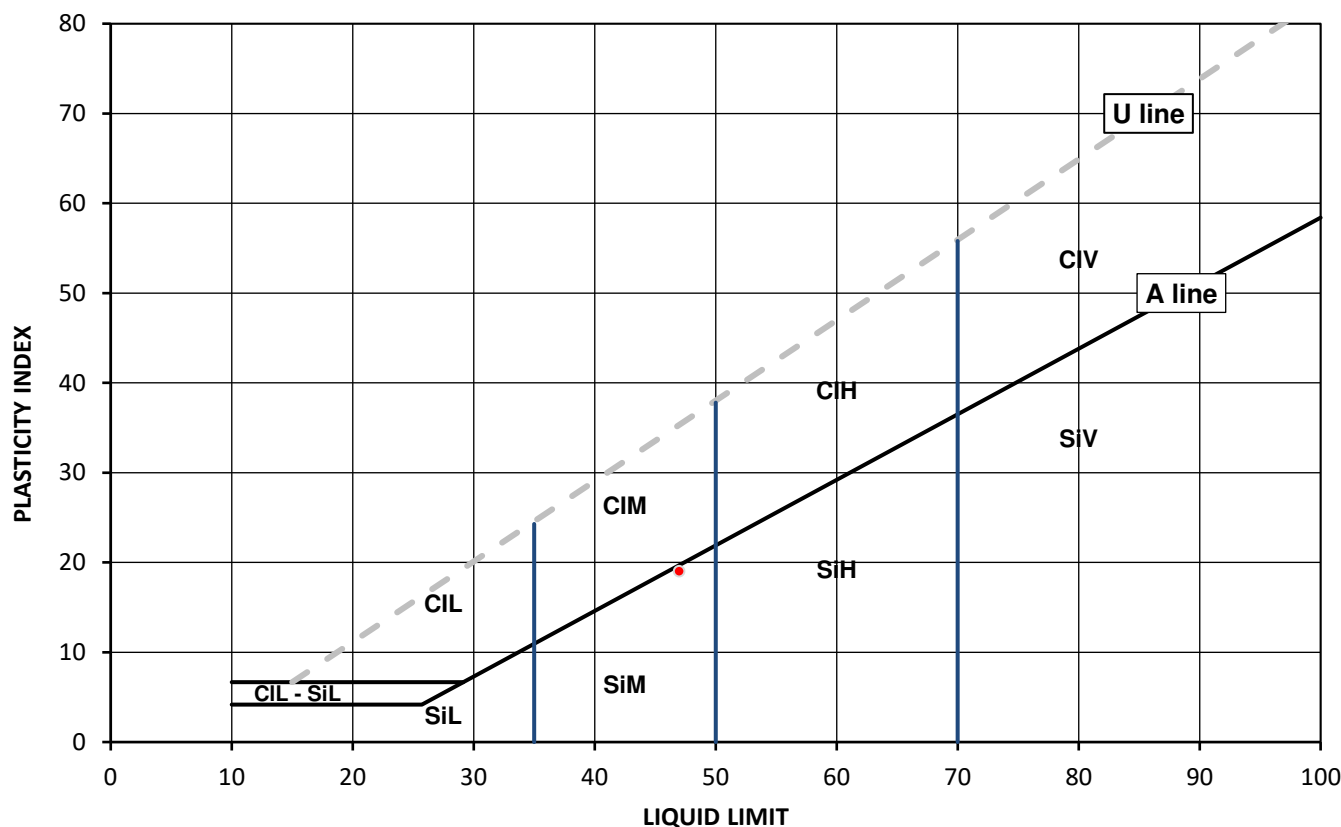
Test Results:

Laboratory Reference: 1777679
Hole No.: TP22
Sample Reference: Not Given
Soil Description: Light grey slightly sandy CLAY

Depth Top [m]: 0.70
Depth Base [m]: Not Given
Sample Type: D

Sample Preparation: Tested in natural condition

As Received Moisture Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
25	47	28	19	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

	Plasticity	Liquid Limit
Cl Clay	L Low	below 35
Si Silt	M Medium	35 to 50
	H High	50 to 70
	V Very high	exceeding 70
	O Organic	append to classification for organic material (eg CIHO)

Note: Moisture Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Page 1 of 1

Date Reported: 08/03/2021

GF 232.10



TEST CERTIFICATE

Liquid and Plastic Limits

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990: Clause 4.4 and 5

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 21/01/2021
Date Received: 01/02/2021
Date Tested: 15/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

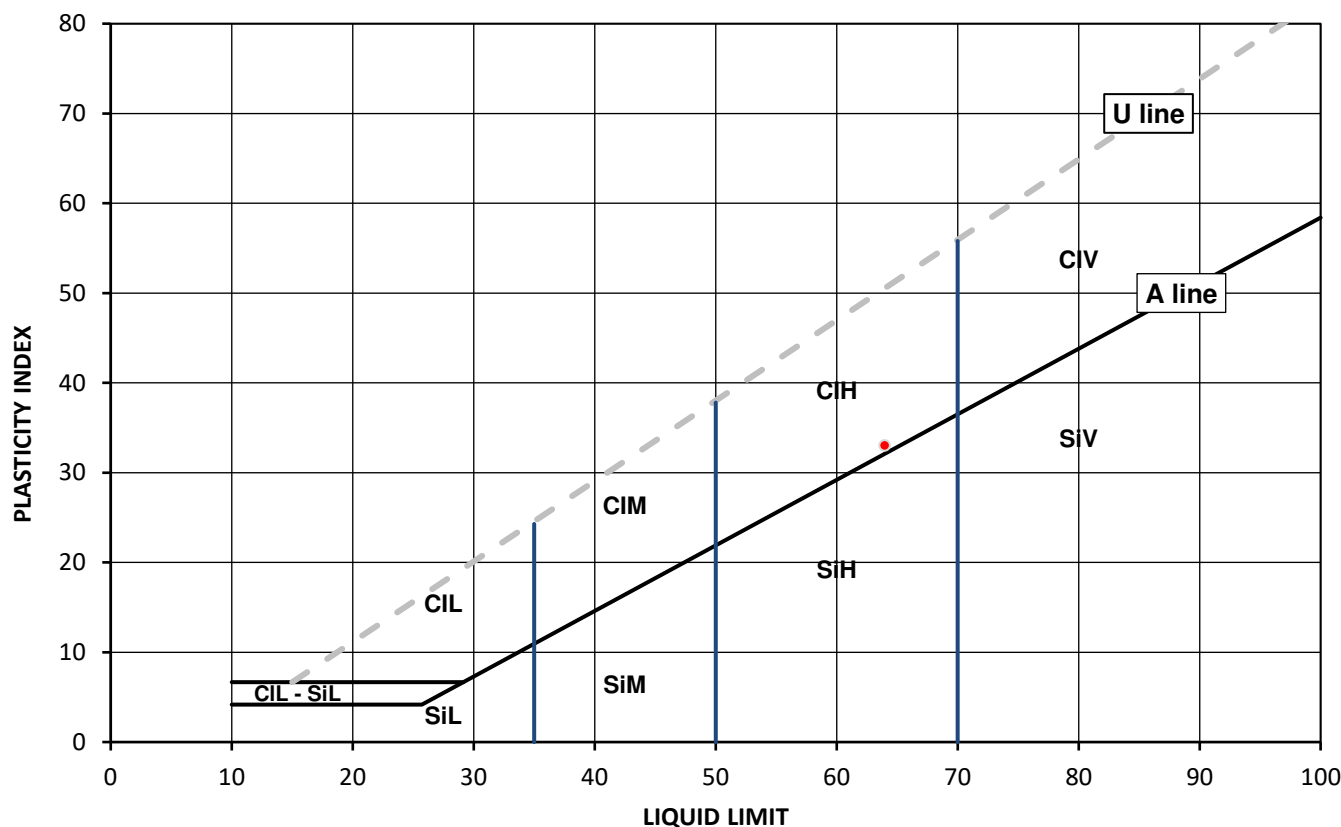
Test Results:

Laboratory Reference: 1762645
Hole No.: TP02
Sample Reference: Not Given
Soil Description: Light grey CLAY

Depth Top [m]: 1.00
Depth Base [m]: Not Given
Sample Type: D

Sample Preparation: Tested in natural condition

As Received Moisture Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
34	64	31	33	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

	Plasticity	Liquid Limit
Cl Clay	L Low	below 35
Si Silt	M Medium	35 to 50
	H High	50 to 70
	V Very high	exceeding 70
	O Organic	append to classification for organic material (eg CIHO)

Note: Moisture Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Page 1 of 1

Date Reported: 26/02/2021

GF 232.10



TEST CERTIFICATE

Liquid and Plastic Limits

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990: Clause 4.4 and 5

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 21/01/2021
Date Received: 01/02/2021
Date Tested: 15/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

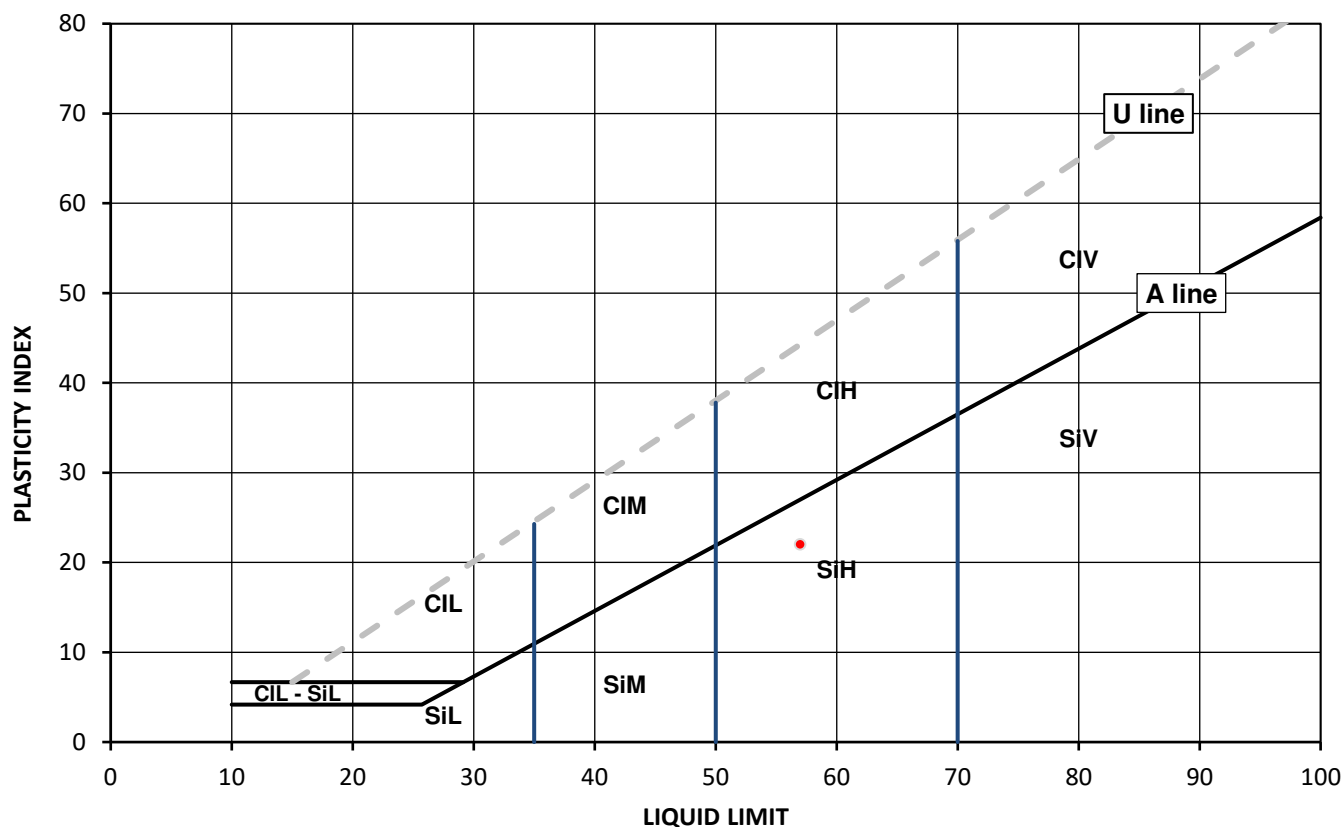
Test Results:

Laboratory Reference: 1762646
Hole No.: TP03
Sample Reference: Not Given
Soil Description: Light brown slightly sandy CLAY

Depth Top [m]: 1.00
Depth Base [m]: Not Given
Sample Type: D

Sample Preparation: Tested in natural condition

As Received Moisture Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
35	57	35	22	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

	Plasticity	Liquid Limit
Cl Clay	L Low	below 35
Si Silt	M Medium	35 to 50
	H High	50 to 70
	V Very high	exceeding 70
	O Organic	append to classification for organic material (eg CIHO)

Note: Moisture Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Page 1 of 1

Date Reported: 26/02/2021

GF 232.10



TEST CERTIFICATE

Liquid and Plastic Limits

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990: Clause 4.4 and 5

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 20/01/2021
Date Received: 01/02/2021
Date Tested: 15/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

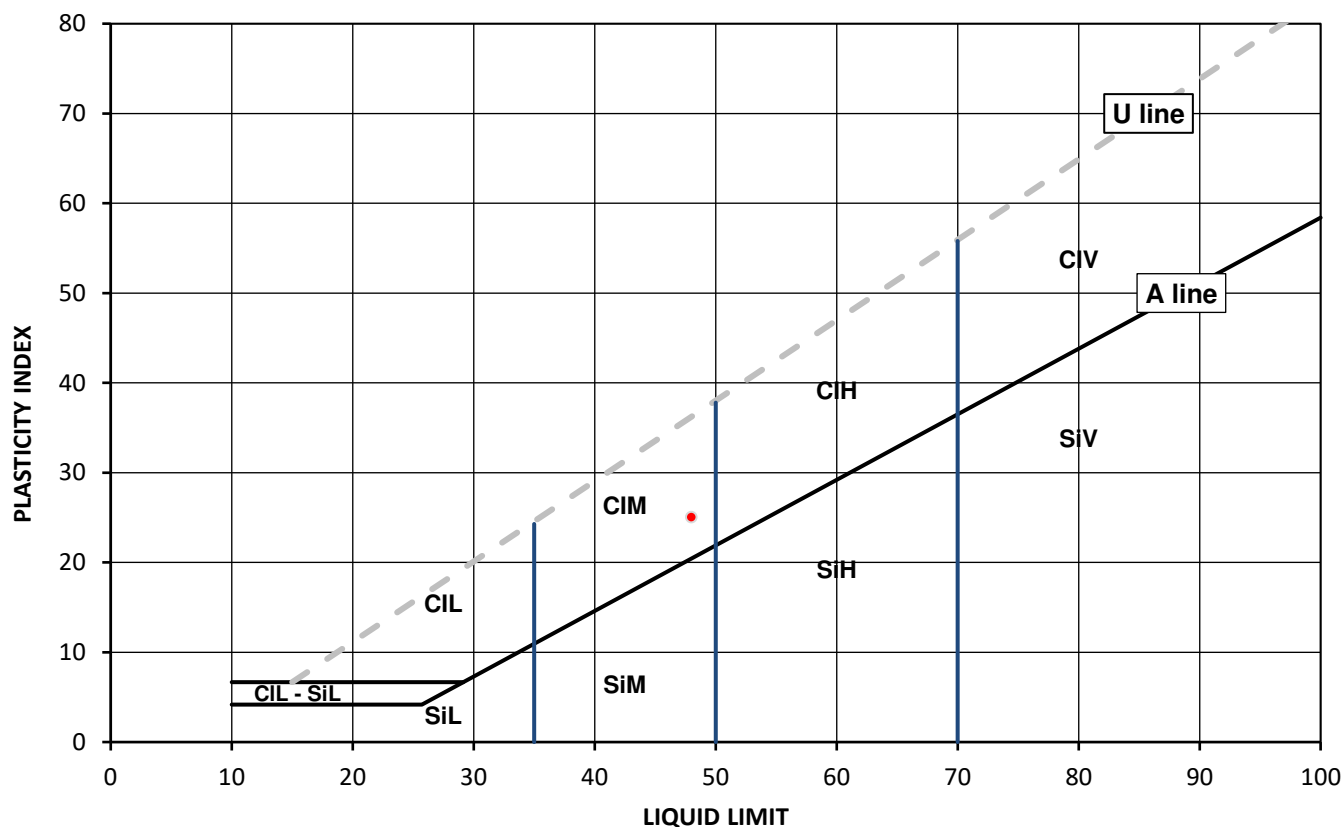
Test Results:

Laboratory Reference: 1762648
Hole No.: TP09
Sample Reference: Not Given
Soil Description: Light grey slightly gravelly slightly sandy CLAY

Depth Top [m]: 1.00
Depth Base [m]: Not Given
Sample Type: D

Sample Preparation: Tested after washing to remove >425um

As Received Moisture Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
28	48	23	25	94



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

	Plasticity	Liquid Limit
Cl Clay	L Low	below 35
Si Silt	M Medium	35 to 50
	H High	50 to 70
	V Very high	exceeding 70
	O Organic	append to classification for organic material (eg CIHO)

Note: Moisture Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.



TEST CERTIFICATE

Liquid and Plastic Limits

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990: Clause 4.4 and 5

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 20/01/2021
Date Received: 01/02/2021
Date Tested: 15/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

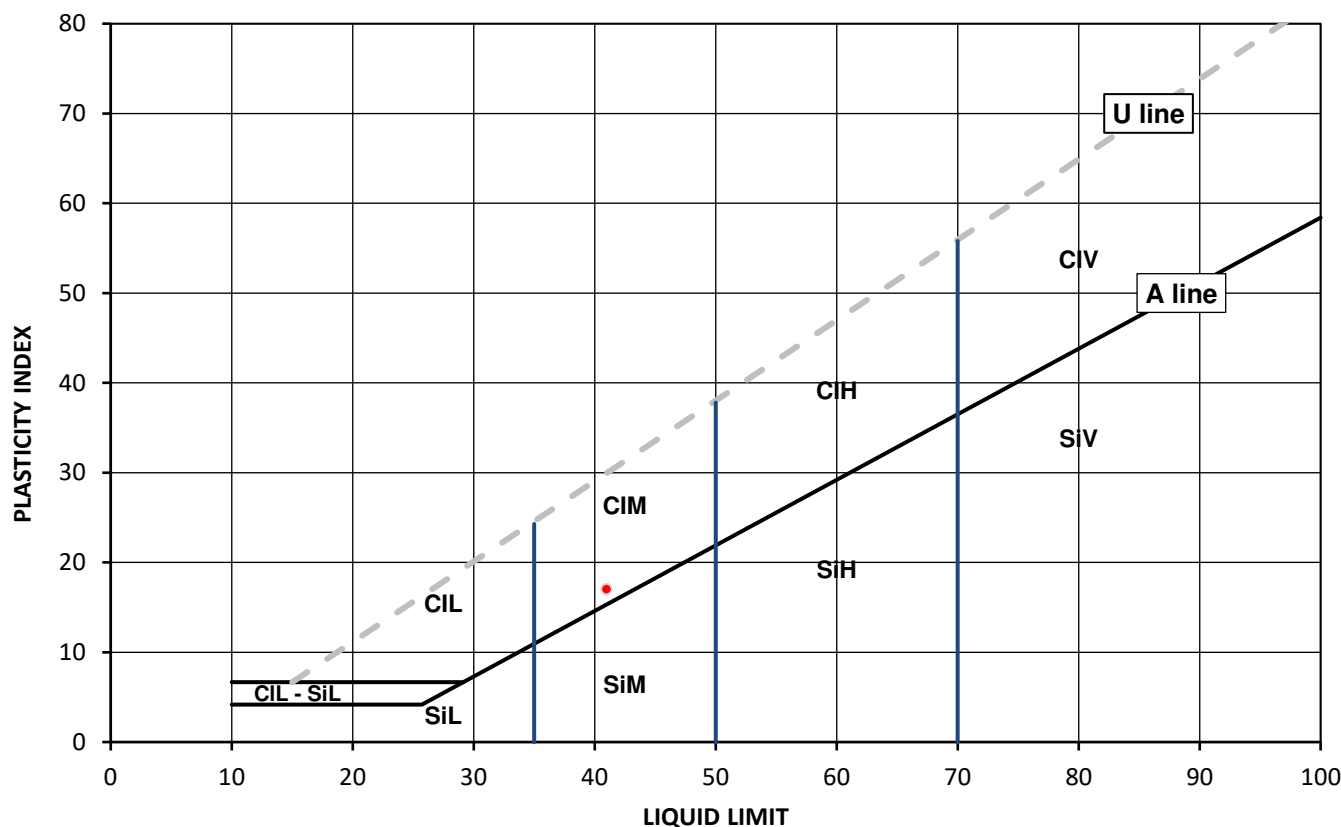
Test Results:

Laboratory Reference: 1762650
Hole No.: TP14
Sample Reference: Not Given
Soil Description: Light grey sandy CLAY

Depth Top [m]: 1.00
Depth Base [m]: Not Given
Sample Type: D

Sample Preparation: Tested in natural condition

As Received Moisture Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
28	41	24	17	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

	Plasticity	Liquid Limit
Cl Clay	L Low	below 35
Si Silt	M Medium	35 to 50
	H High	50 to 70
	V Very high	exceeding 70
	O Organic	append to classification for organic material (eg CIHO)

Note: Moisture Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Page 1 of 1

Date Reported: 26/02/2021

GF 232.10



TEST CERTIFICATE

Liquid and Plastic Limits

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990: Clause 4.4 and 5

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 20/01/2021
Date Received: 01/02/2021
Date Tested: 15/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

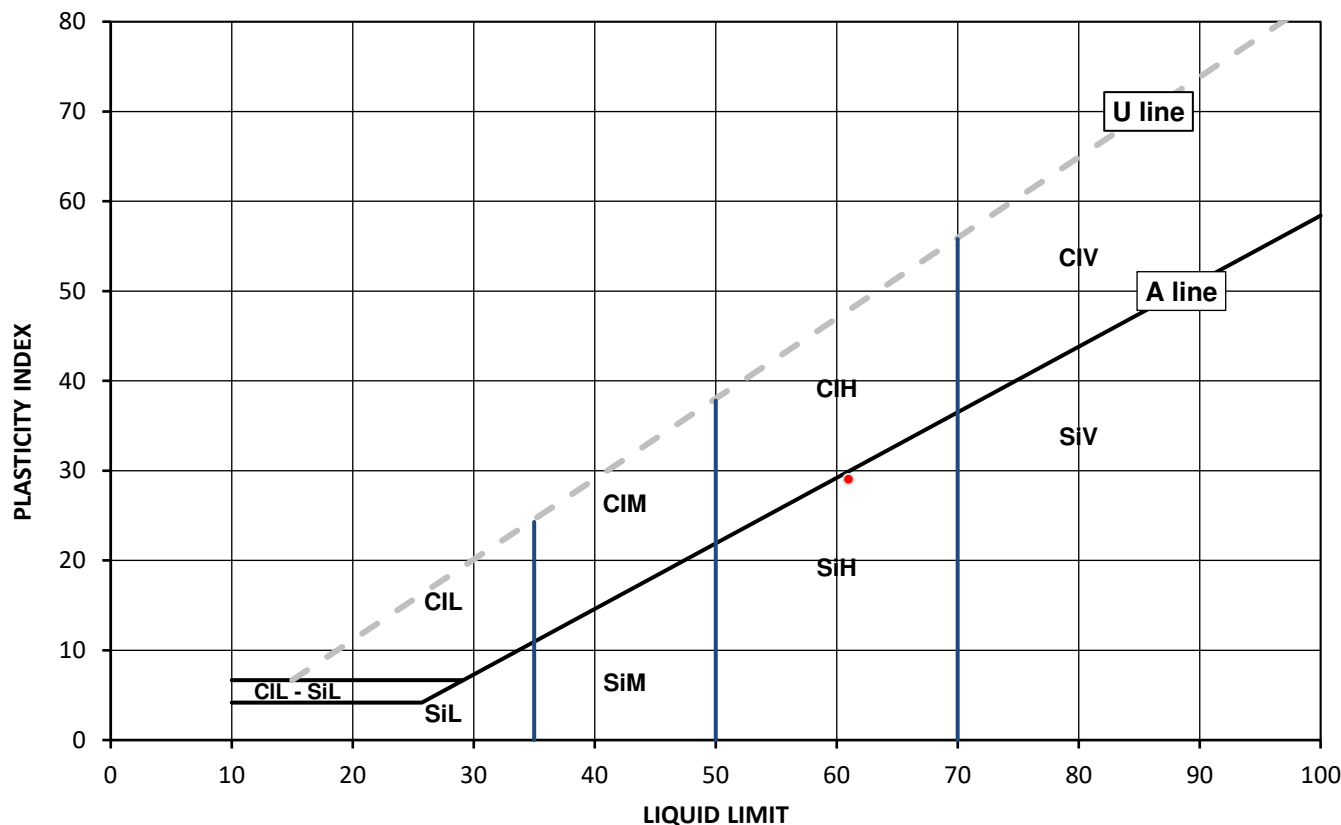
Test Results:

Laboratory Reference: 1762651
Hole No.: TP15
Sample Reference: Not Given
Soil Description: Light grey silty CLAY

Depth Top [m]: 0.60
Depth Base [m]: Not Given
Sample Type: D

Sample Preparation: Tested in natural condition

As Received Moisture Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
31	61	32	29	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

	Plasticity	Liquid Limit
Cl Clay	L Low	below 35
Si Silt	M Medium	35 to 50
	H High	50 to 70
	V Very high	exceeding 70
	O Organic	append to classification for organic material (eg CIHO)

Note: Moisture Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.



TEST CERTIFICATE

Liquid and Plastic Limits

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990: Clause 4.4 and 5

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 21/01/2021
Date Received: 01/02/2021
Date Tested: 15/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

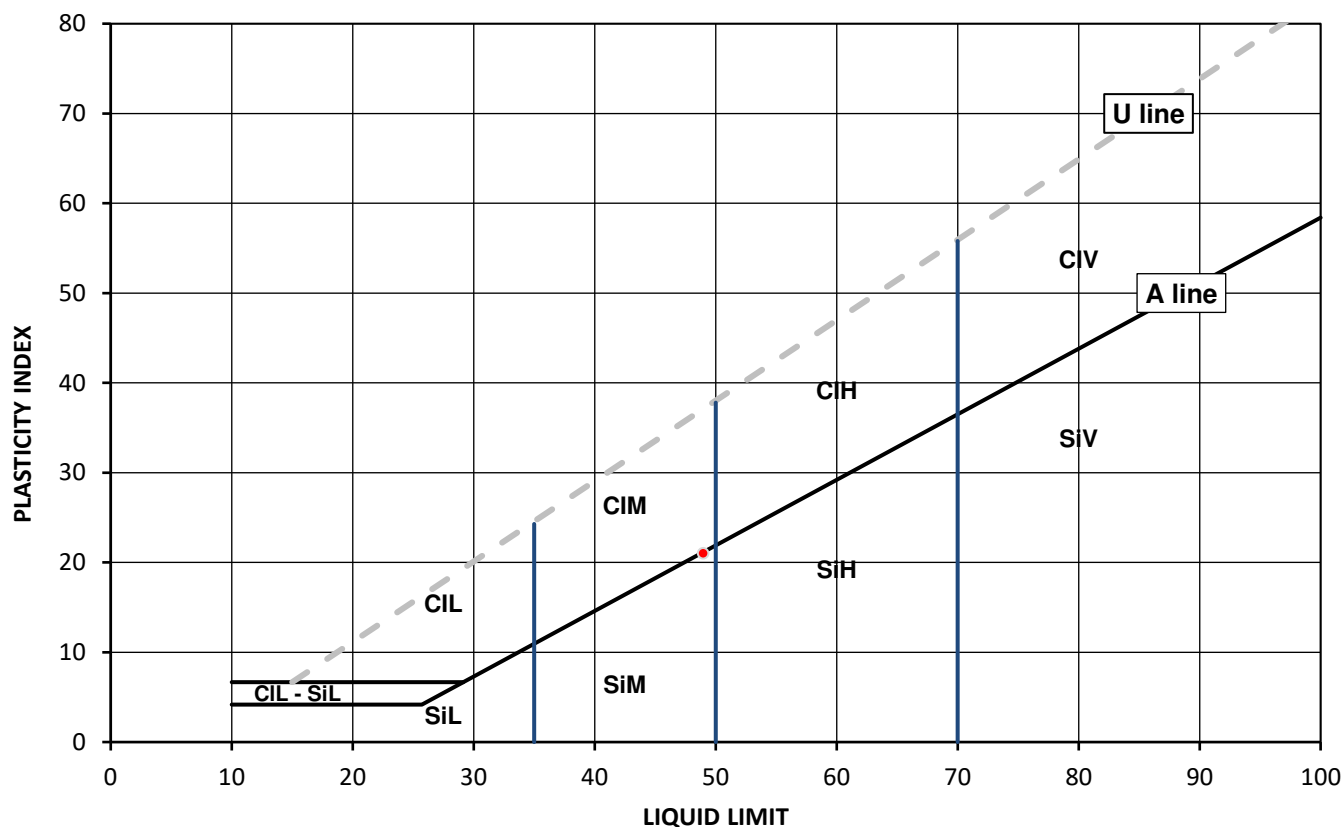
Test Results:

Laboratory Reference: 1762653
Hole No.: TP17
Sample Reference: Not Given
Soil Description: Light grey slightly sandy slightly silty CLAY

Depth Top [m]: 1.00
Depth Base [m]: Not Given
Sample Type: D

Sample Preparation: Tested in natural condition

As Received Moisture Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
24	49	28	21	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

	Plasticity	Liquid Limit
Cl	Clay	below 35
Si	Silt	35 to 50
	L	Low
	M	Medium
	H	High
	V	Very high
	O	Organic
		append to classification for organic material (eg CIHO)

Note: Moisture Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Page 1 of 1

Date Reported: 26/02/2021

GF 232.10



TEST CERTIFICATE

Liquid and Plastic Limits

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990: Clause 4.4 and 5

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 21/01/2021
Date Received: 01/02/2021
Date Tested: 15/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

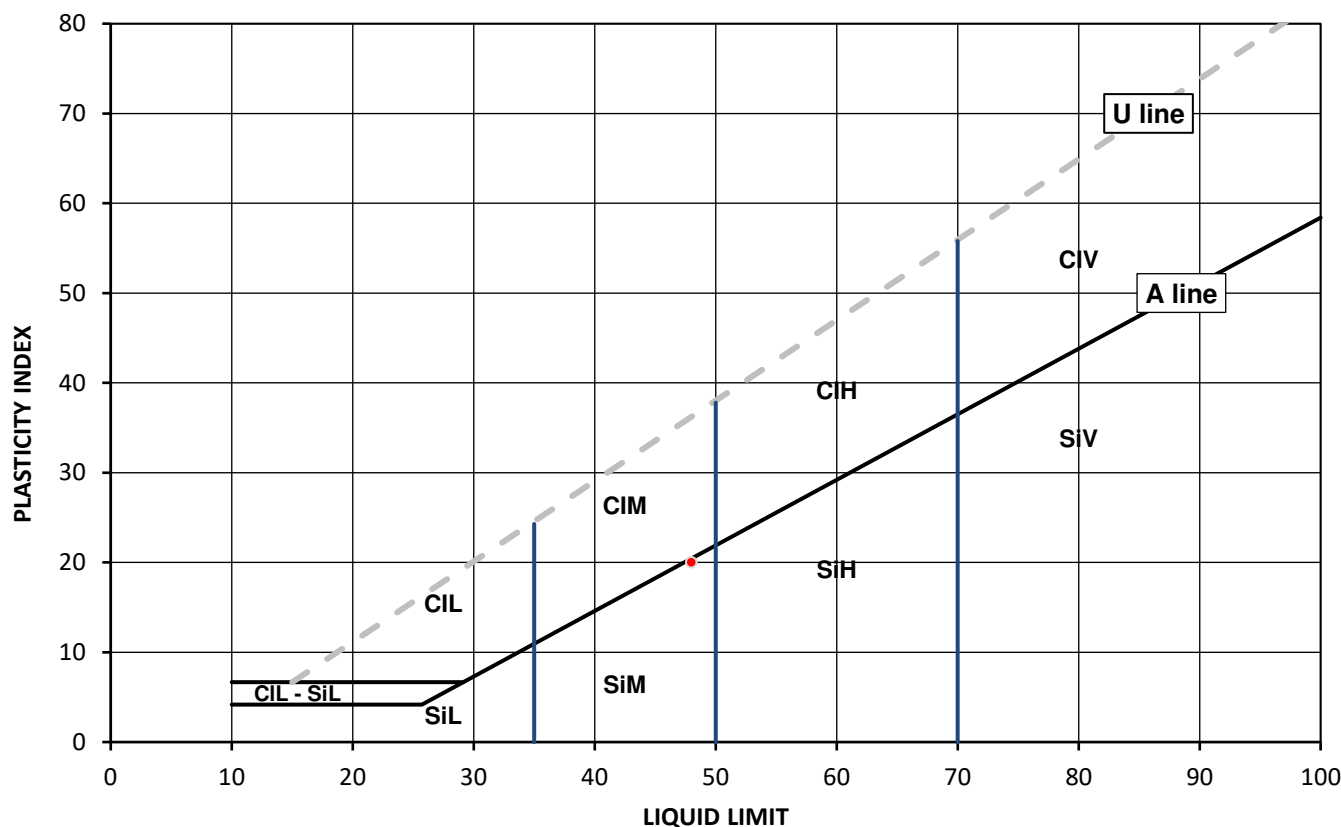
Test Results:

Laboratory Reference: 1765170
Hole No.: TP19
Sample Reference: Not Given
Soil Description: Light brown slightly sandy CLAY

Depth Top [m]: 0.70
Depth Base [m]: Not Given
Sample Type: D

Sample Preparation: Tested in natural condition

As Received Moisture Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
26	48	28	20	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

	Plasticity	Liquid Limit
Cl Clay	L Low	below 35
Si Silt	M Medium	35 to 50
	H High	50 to 70
	V Very high	exceeding 70
	O Organic	append to classification for organic material (eg CIHO)

Note: Moisture Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Page 1 of 1

Date Reported: 26/02/2021

GF 232.10



SUMMARY REPORT

Summary of Classification Test Results

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with:

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

Moisture Content by BS 1377-2: 1990: Clause 3.2; Water Content by BS EN
17892-1: 2014; Atterberg by BS 1377-2: 1990: Clause 4.3 (4 Point Test),
Clause 4.4 (1 Point Test) and 5; PD by BS 1377-2: 1990: Clause 8.2

Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 20/01 - 21/01/2021
Date Received: 01/02/2021
Date Tested: 15/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	Moisture Content [W]	Water Content [W]	Atterberg				Density			Total Porosity#		
		Reference	Depth Top m	Depth Base m	Type					% Passing 425um	WL	Wp	Ip	bulk	dry	PD			
								%	%	%	%	%	%	Mg/m3	Mg/m3	Mg/m3	%		
1762645	TP02	Not Given	1.00	Not Given	D	Light grey CLAY	Atterberg 1 Point	34		100	64	31	33						
1762646	TP03	Not Given	1.00	Not Given	D	Light brown slightly sandy CLAY	Atterberg 1 Point	35		100	57	35	22						
1762648	TP09	Not Given	1.00	Not Given	D	Light grey slightly gravelly slightly sandy CLAY	Atterberg 1 Point	28		94	48	23	25						
1762650	TP14	Not Given	1.00	Not Given	D	Light grey sandy CLAY	Atterberg 1 Point	28		100	41	24	17						
1762651	TP15	Not Given	0.60	Not Given	D	Light grey silty CLAY	Atterberg 1 Point	31		100	61	32	29						
1762653	TP17	Not Given	1.00	Not Given	D	Light grey slightly sandy slightly silty CLAY	Atterberg 1 Point	24		100	49	28	21						
1765170	TP19	Not Given	0.70	Not Given	D	Light brown slightly sandy CLAY	Atterberg 1 Point	26		100	48	28	20						

Note: # Non accredited; NP - Non plastic

Comments:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.



TEST CERTIFICATE

Particle Size Distribution

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 21/01/2021
Date Received: 01/02/2021
Date Tested: 22/02/2021
Sampled By: Client

Test Results:

Laboratory Reference: 1762644

Hole No.: TP01

Sample Reference: Not Given

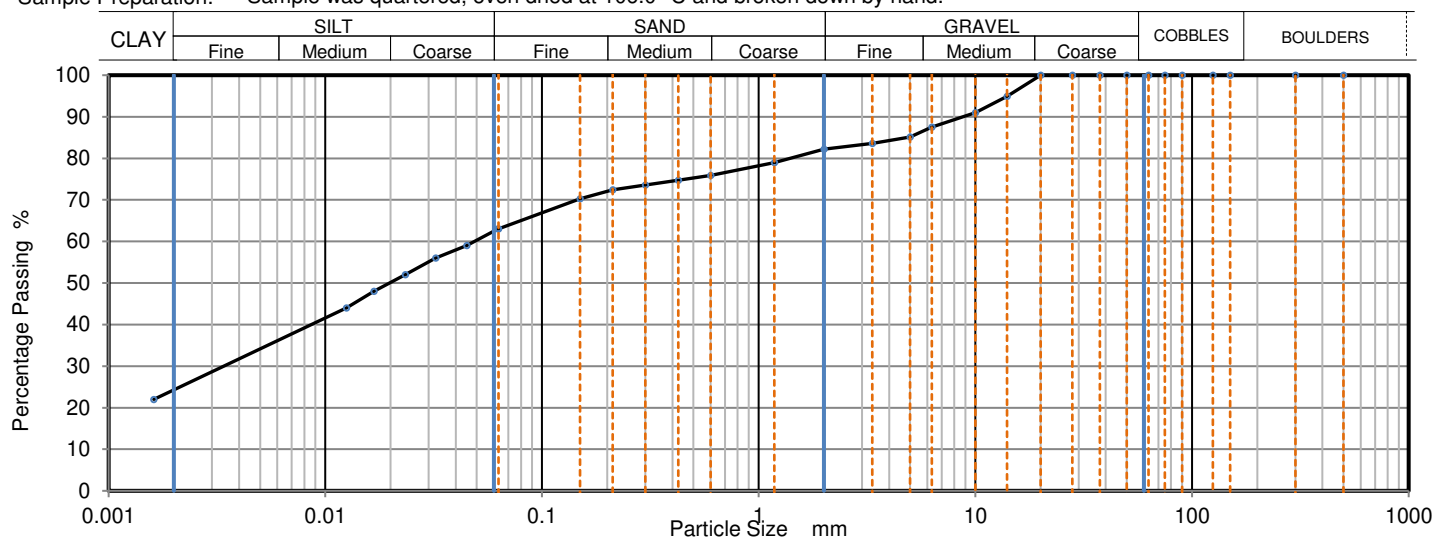
Sample Description: Light grey gravelly sandy clayey SILT

Sample Preparation: Sample was quartered, oven dried at 106.0 °C and broken down by hand.

Depth Top [m]: 1.50

Depth Base [m]: Not Given

Sample Type: B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0626	63
300	100	0.0450	59
150	100	0.0323	56
125	100	0.0234	52
90	100	0.0168	48
75	100	0.0125	44
63	100	0.0016	22
50	100		
37.5	100		
28	100		
20	100		
14	95		
10	91		
6.3	88		
5	85		
3.35	84	Particle density (assumed) 2.65 Mg/m ³	
2	82		
1.18	79		
0.6	76		
0.425	75		
0.3	74		
0.212	72		
0.15	70		
0.063	63		

Sample Proportions	% dry mass
Very coarse	0
Gravel	18
Sand	20
Silt	38
Clay	24

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	> 30
Curvature Coefficient	

Uniformity Coefficient and Coefficient of Curvature calculated in accordance with BS EN ISO 14688-2: 2004 + A1: 2013

Note: Tested in Accordance with BS1377:Part 2:1990, clauses 9.2 and 9.5

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.



TEST CERTIFICATE

Particle Size Distribution

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

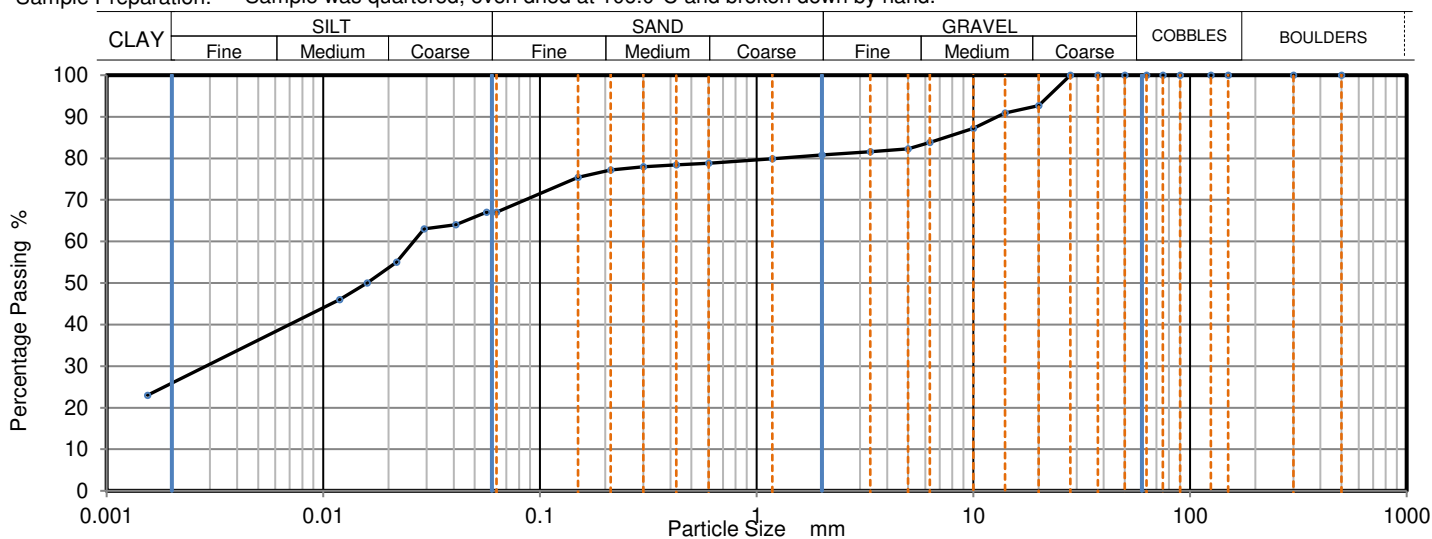
Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 20/01/2021
Date Received: 01/02/2021
Date Tested: 22/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference: 1762647
Hole No.: TP08
Sample Reference: Not Given
Sample Description: Light grey gravelly sandy clayey SILT
Sample Preparation: Sample was quartered, oven dried at 106.0°C and broken down by hand.

Depth Top [m]: 1.50
Depth Base [m]: Not Given
Sample Type: B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0566	67
300	100	0.0408	64
150	100	0.0291	63
125	100	0.0218	55
90	100	0.0159	50
75	100	0.0119	46
63	100	0.0015	23
50	100		
37.5	100		
28	100		
20	93		
14	91		
10	87		
6.3	84		
5	82		
3.35	82	Particle density (assumed) 2.65 Mg/m ³	
2	81		
1.18	80		
0.6	79		
0.425	78		
0.3	78		
0.212	77		
0.15	75		
0.063	67		

Sample Proportions	% dry mass
Very coarse	0
Gravel	19
Sand	14
Silt	41
Clay	26

Grading Analysis	
D100	mm 28
D60	mm 0.0262
D30	mm 0.00295
D10	mm
Uniformity Coefficient	> 17
Curvature Coefficient	

Uniformity Coefficient and Coefficient of Curvature calculated in accordance with BS EN ISO 14688-2: 2004 + A1: 2013

Note: Tested in Accordance with BS1377:Part 2:1990, clauses 9.2 and 9.5

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.



TEST CERTIFICATE

Particle Size Distribution

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

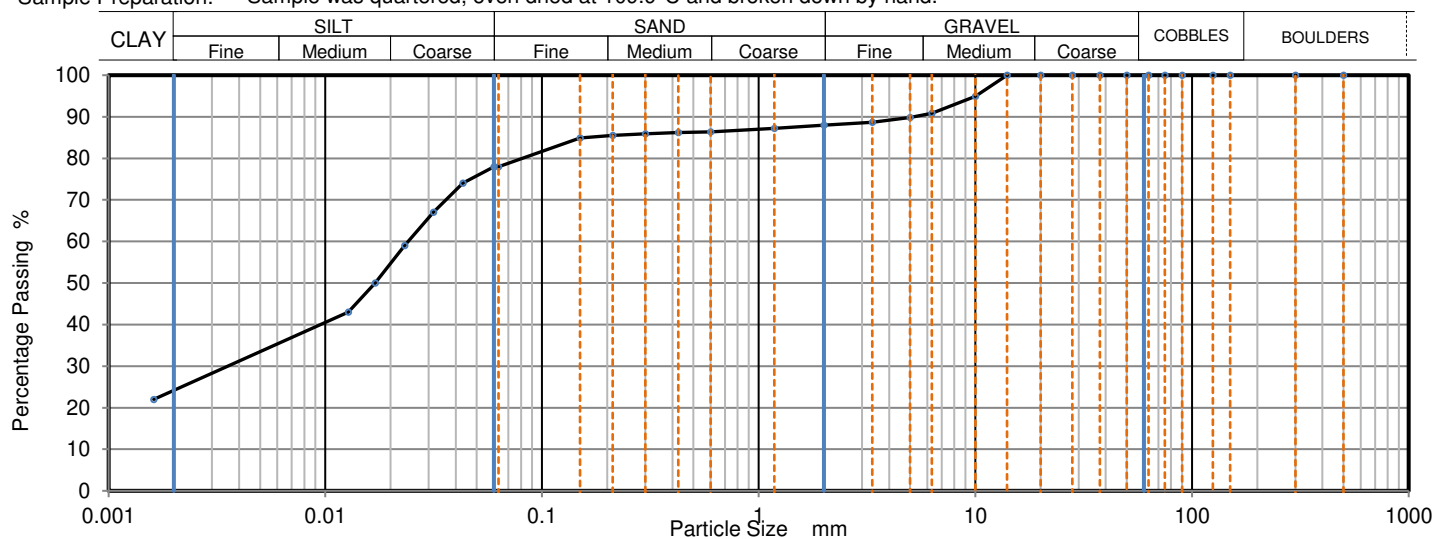
Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 20/01/2021
Date Received: 01/02/2021
Date Tested: 22/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference: 1762649
Hole No.: TP12
Sample Reference: Not Given
Sample Description: Light grey sandy gravelly clayey SILT
Sample Preparation: Sample was quartered, oven dried at 109.9°C and broken down by hand.

Depth Top [m]: 1.50
Depth Base [m]: Not Given
Sample Type: B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0600	78
300	100	0.0432	74
150	100	0.0316	67
125	100	0.0232	59
90	100	0.0170	50
75	100	0.0128	43
63	100	0.0016	22
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	95		
6.3	91		
5	90		
3.35	89	Particle density (assumed) 2.65 Mg/m ³	
2	88		
1.18	87		
0.6	86		
0.425	86		
0.3	86		
0.212	86		
0.15	85		
0.063	78		

Sample Proportions	% dry mass
Very coarse	0
Gravel	12
Sand	10
Silt	53
Clay	25

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	> 15
Curvature Coefficient	

Uniformity Coefficient and Coefficient of Curvature calculated in accordance with BS EN ISO 14688-2: 2004 + A1: 2013

Note: Tested in Accordance with BS1377:Part 2:1990, clauses 9.2 and 9.5

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.



TEST CERTIFICATE

Particle Size Distribution

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

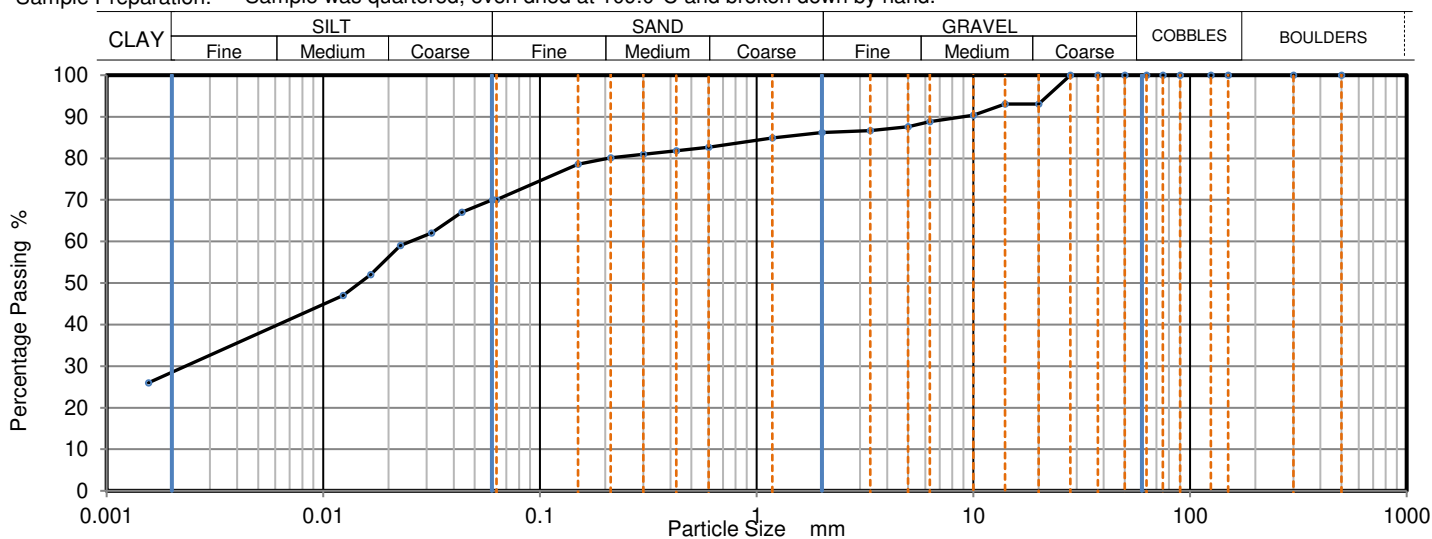
Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 21/01/2021
Date Received: 01/02/2021
Date Tested: 22/02/2021
Sampled By: Client

Test Results:

Laboratory Reference: 1762652
Hole No.: TP16
Sample Reference: Not Given
Sample Description: Light grey gravelly sandy very clayey SILT
Sample Preparation: Sample was quartered, oven dried at 109.0°C and broken down by hand.

Depth Top [m]: 1.00
Depth Base [m]: Not Given
Sample Type: B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0605	70
300	100	0.0435	67
150	100	0.0316	62
125	100	0.0227	59
90	100	0.0165	52
75	100	0.0123	47
63	100	0.0016	26
50	100		
37.5	100		
28	100		
20	93		
14	93		
10	90		
6.3	89		
5	88		
3.35	87	Particle density (assumed) 2.65 Mg/m3	
2	86		
1.18	85		
0.6	83		
0.425	82		
0.3	81		
0.212	80		
0.15	79		
0.063	70		

Sample Proportions	% dry mass
Very coarse	0
Gravel	14
Sand	16
Silt	41
Clay	29

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	> 17
Curvature Coefficient	

Uniformity Coefficient and Coefficient of Curvature calculated in accordance with BS EN ISO 14688-2: 2004 + A1: 2013

Note: Tested in Accordance with BS1377:Part 2:1990, clauses 9.2 and 9.5

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.



TEST CERTIFICATE

Particle Size Distribution

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

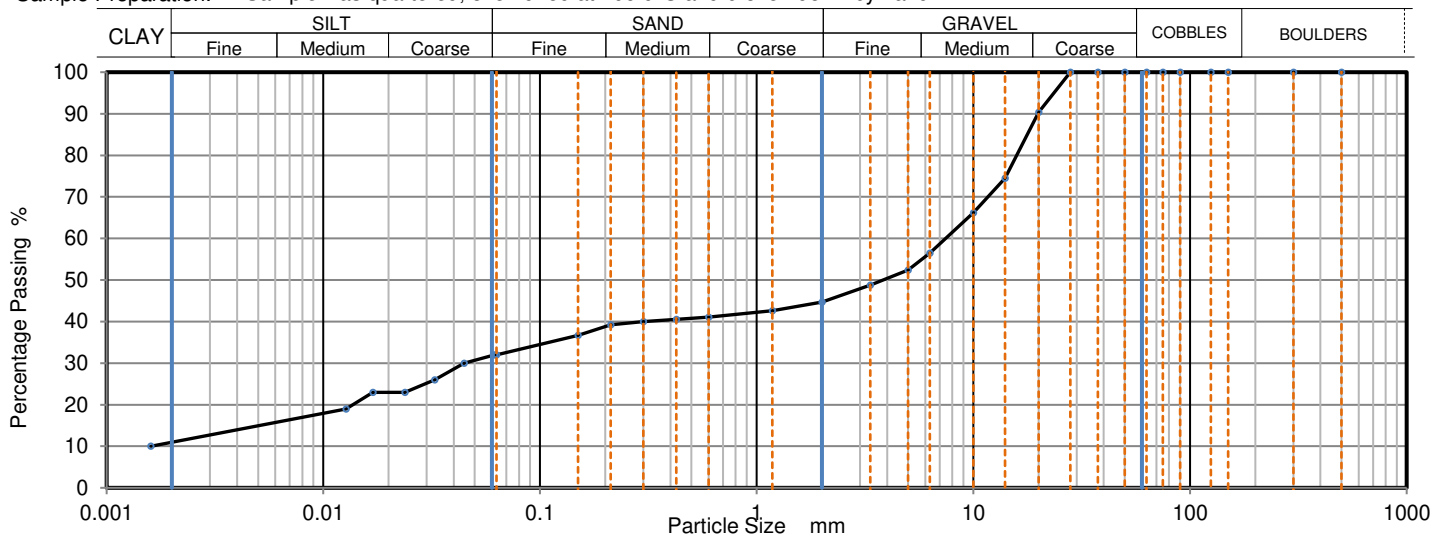
Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 21/01/2021
Date Received: 01/02/2021
Date Tested: 22/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference: 1762654
Hole No.: TP24
Sample Reference: Not Given
Sample Description: Light grey sandy silty clayey GRAVEL
Sample Preparation: Sample was quartered, oven dried at 106.0°C and broken down by hand.

Depth Top [m]: 1.50
Depth Base [m]: Not Given
Sample Type: B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0616	32
300	100	0.0446	30
150	100	0.0326	26
125	100	0.0237	23
90	100	0.0169	23
75	100	0.0127	19
63	100	0.0016	10
50	100		
37.5	100		
28	100		
20	90		
14	75		
10	66		
6.3	57		
5	52		
3.35	49	Particle density (assumed) 2.65 Mg/m3	
2	45		
1.18	43		
0.6	41		
0.425	41		
0.3	40		
0.212	39		
0.15	37		
0.063	32		

Sample Proportions	% dry mass
Very coarse	0
Gravel	55
Sand	13
Silt	21
Clay	11

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	> 4700
Curvature Coefficient	

Uniformity Coefficient and Coefficient of Curvature calculated in accordance with BS EN ISO 14688-2: 2004 + A1: 2013

Note: Tested in Accordance with BS1377:Part 2:1990, clauses 9.2 and 9.5

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.



TEST CERTIFICATE

Particle Size Distribution

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with: BS 1377-2: 1990

Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

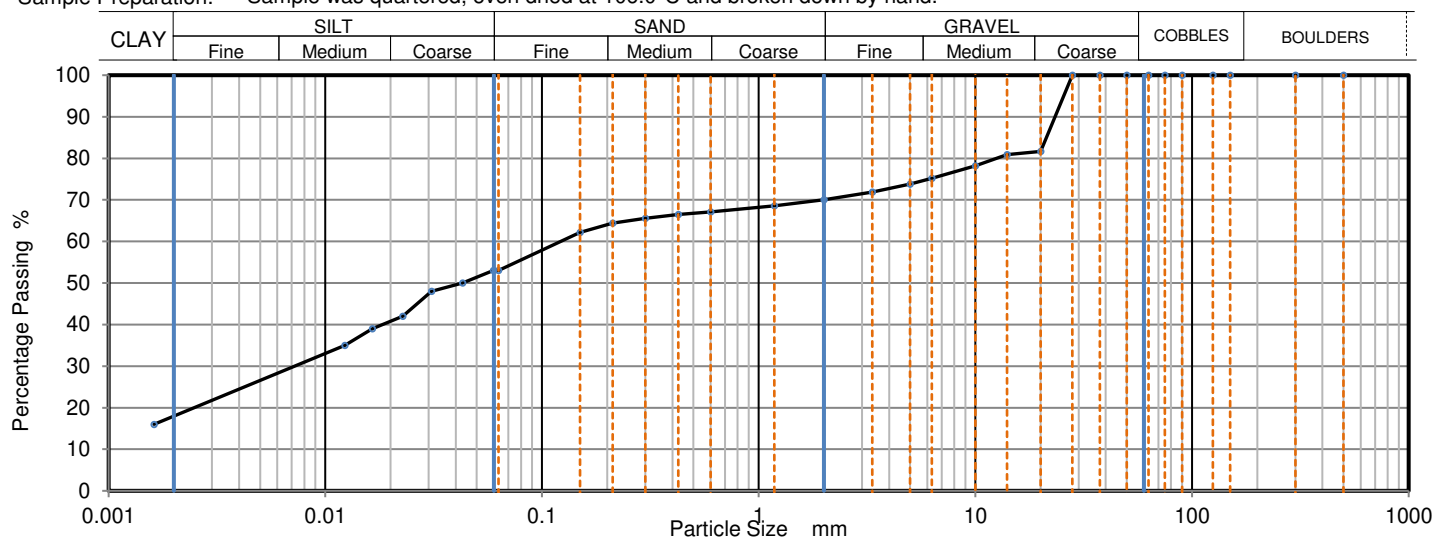
Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 21/01/2021
Date Received: 01/02/2021
Date Tested: 22/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference: 1765171
Hole No.: TP23
Sample Reference: Not Given
Sample Description: Light grey sandy very gravelly clayey SILT
Sample Preparation: Sample was quartered, oven dried at 106.0°C and broken down by hand.

Depth Top [m]: 2.00
Depth Base [m]: Not Given
Sample Type: B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0597	53
300	100	0.0429	50
150	100	0.0309	48
125	100	0.0227	42
90	100	0.0164	39
75	100	0.0123	35
63	100	0.0016	16
50	100		
37.5	100		
28	100		
20	82		
14	81		
10	78		
6.3	75		
5	74		
3.35	72	Particle density (assumed) 2.65 Mg/m ³	
2	70		
1.18	69		
0.6	67		
0.425	67		
0.3	66		
0.212	64		
0.15	62		
0.063	53		

Sample Proportions	% dry mass
Very coarse	0
Gravel	30
Sand	17
Silt	35
Clay	18

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	> 76
Curvature Coefficient	

Uniformity Coefficient and Coefficient of Curvature calculated in accordance with BS EN ISO 14688-2: 2004 + A1: 2013

Note: Tested in Accordance with BS1377:Part 2:1990, clauses 9.2 and 9.5

Remarks: The material submitted - fails to meet the minimum mass requirements as stated in BS1377 Part 2 Table 3

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.



TEST CERTIFICATE

Dry Density / Moisture Content

Relationship Heavy Compaction

Tested in Accordance with:
BS 1377-4: 1990

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Client: Clarkebond
Client Address: 129 Cumberland Road, Bristol,
BS1 6UY

Contact: Josh Young
Site Address: New Farm, Warminster

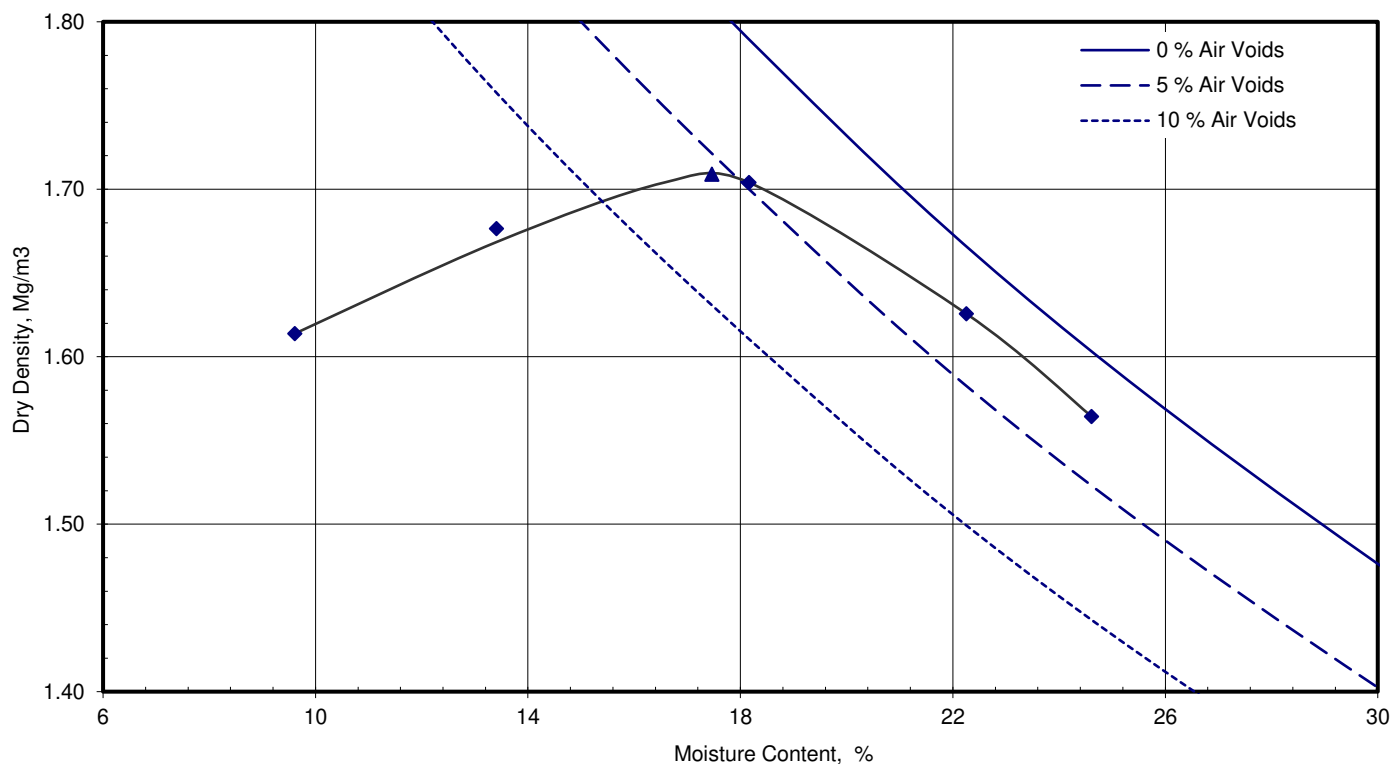
Client Reference: PO9684
Job Number: 21-55458
Date Sampled: 21/01/2021
Date Received: 01/02/2021
Date Tested: 22/02/2021
Sampled By: Client

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference: 1762644
Hole No.: TP01
Sample Reference: Not Given
Sample Description: Light grey gravelly sandy clayey SILT
Sample Preparation:

Depth Top [m]: 1.50
Depth Base [m]: Not Given
Sample Type: B



Compaction Point No.		1	2	3	4	5
Moisture Content	%	9.6	13	18	22	25
Dry Density	Mg/m³	1.61	1.68	1.70	1.63	1.56

Mould Type		1 Litre
Samples Used		Single sample tested
Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.65
As received Moisture Content	%	30
Maximum Dry Density	Mg/m³	1.71

Optimum Moisture Content	%	17
--------------------------	---	----

Note: Tested in Accordance with BS 1377-4: 1990: Clause 3.5 using 4.5kg [heavy] Rammer

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.



Josh Young
Clarkebond
129 Cumberland Road
Bristol
BS1 6UY

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404

f: 01923 237404

e: reception@i2analytical.com

e: joshyoung@clarkebond.com

Analytical Report Number : 21-55469

Project / Site name:	New Farm, Warminster	Samples received on:	01/02/2021
Your job number:	PO9864	Samples instructed on/ Analysis started on:	08/02/2021
Your order number:	PO9864	Analysis completed by:	19/02/2021
Report Issue Number:	1	Report issued on:	19/02/2021
Samples Analysed:	10 soil samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-55469
Project / Site name: New Farm, Warminster
Your Order No: PO9864

Lab Sample Number				1762690	1762691	1762692	1762693	1762694
Sample Reference				TP12	TP18	TP19	TP20	TP21
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	1.00	1.00	0.80	1.50
Date Sampled				20/01/2021	21/01/2021	21/01/2021	21/01/2021	21/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	18	25	21	21	22
Total mass of sample received	kg	0.001	NONE	0.5	0.6	0.5	0.5	0.5

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.5	8.1	8.1	7.8	7.9
Total Sulphate as SO ₄	%	0.005	MCERTS	0.045	0.044	0.055	0.055	0.033
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0091	0.0091	0.0094	0.007	0.008
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	9.1	9.1	9.4	7	8
Total Sulphur	%	0.005	MCERTS	0.032	0.035	0.029	0.03	0.025

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-55469
 Project / Site name: New Farm, Warminster
 Your Order No: PO9864

Lab Sample Number				1762695	1762696	1762697	1762698	1765151
Sample Reference				TP21	TP23	TP23	TP24	TP02
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.00	1.00	1.50	1.00	1.50
Date Sampled				21/01/2021	21/01/2021	21/01/2021	21/01/2021	21/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	24	16	21	20	23
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5	0.5

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8	8	7.9	8.1	8.3
Total Sulphate as SO ₄	%	0.005	MCERTS	0.039	0.049	0.035	0.049	0.054
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.009	0.01	0.0078	0.0065	0.023
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	9	10.1	7.8	6.5	22.7
Total Sulphur	%	0.005	MCERTS	0.026	0.032	0.035	0.022	0.029

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-55469

Project / Site name: New Farm, Warminster

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1762690	TP12	None Supplied	1	Brown loam and clay with gravel and vegetation.
1762691	TP18	None Supplied	1	Brown clay.
1762692	TP19	None Supplied	1	Brown clay.
1762693	TP20	None Supplied	0.8	Brown clay.
1762694	TP21	None Supplied	1.5	Brown clay.
1762695	TP21	None Supplied	2	Brown clay.
1762696	TP23	None Supplied	1	Brown clay with gravel.
1762697	TP23	None Supplied	1.5	Brown clay with gravel.
1762698	TP24	None Supplied	1	Brown clay with gravel.
1765151	TP02	None Supplied	1.5	Brown clay with gravel.

Analytical Report Number : 21-55469

Project / Site name: New Farm, Warminster

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Total Sulphur in soil as %	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Josh Young
Clarkebond
129 Cumberland Road
Bristol
BS1 6UY

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404

f: 01923 237404

e: reception@i2analytical.com

e: joshyoung@clarkebond.com

Analytical Report Number : 21-58709

Project / Site name:	New Farm, Warminster	Samples received on:	22/02/2021
Your job number:	E05548	Samples instructed on/ Analysis started on:	25/02/2021
Your order number:	P09684	Analysis completed by:	09/03/2021
Report Issue Number:	1	Report issued on:	09/03/2021
Samples Analysed:	1 soil sample		

Signed:



Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-58709
Project / Site name: New Farm, Warminster
Your Order No: P09684

Lab Sample Number				1781234
Sample Reference				TP05
Sample Number				None Supplied
Depth (m)				1.00
Date Sampled				20/01/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	14
Total mass of sample received	kg	0.001	NONE	0.7

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.7
Total Sulphate as SO ₄	%	0.005	MCERTS	0.047
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.013
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	13.3
Total Sulphur	%	0.005	MCERTS	0.02

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number : 21-58709

Project / Site name: New Farm, Warminster

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1781234	TP05	None Supplied	1	Brown clay and sand.

Analytical Report Number : 21-58709

Project / Site name: New Farm, Warminster

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Total Sulphur in soil as %	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Sample Deviation Report



Analytical Report Number : 21-58709

Project / Site name: New Farm, Warminster

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP05	None Supplied	S	1781234	c	pH in soil (automated)	L099-PL	c

I Chemical Test Certificates

Josh Young
Clarkebond
129 Cumberland Road
Bristol
BS1 6UY

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404

f: 01923 237404

e: reception@i2analytical.com

e: joshyoung@clarkebond.com

Analytical Report Number : 21-53468

Project / Site name:	New Farm, Warminster	Samples received on:	25/01/2021
Your job number:	E05548	Samples instructed on/ Analysis started on:	27/01/2021
Your order number:	PO9684	Analysis completed by:	03/02/2021
Report Issue Number:	1	Report issued on:	03/02/2021
Samples Analysed:	11 soil samples		

Signed:

Zina Abdul Razzak
Senior Quality Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-53468
Project / Site name: New Farm, Warminster
Your Order No: PO9684

Lab Sample Number				1750183	1750184	1750185	1750186	1750187
Sample Reference				TP02	TP03	TP07	TP08	TP10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	0.10	1.00	0.10	0.10
Date Sampled				21/01/2021	21/01/2021	21/01/2021	21/01/2021	21/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	22	25	19	20	24
Total mass of sample received	kg	0.001	NONE	0.4	0.4	0.4	0.4	0.4

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	7.7	-	7.6	-
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	-	0.017	-	0.025	-
Organic Matter	%	0.1	MCERTS	-	5.7	-	6.1	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	< 0.80	-	< 0.80	-
-----------------------------	-------	-----	--------	---	--------	---	--------	---

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.1	9	4.6	6.7	7.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.4	0.2	0.3	0.5
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	6.5	16	15	17	14
Copper (aqua regia extractable)	mg/kg	1	MCERTS	4.4	17	6.4	15	15
Lead (aqua regia extractable)	mg/kg	1	MCERTS	4.1	58	10	43	45
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	12	16	12	16	16
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	14	53	29	44	58

Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
o-xylene	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-

Petroleum Hydrocarbons

TPH C10 - C40	mg/kg	10	MCERTS	-	-	-	-	-
---------------	-------	----	--------	---	---	---	---	---

Analytical Report Number: 21-53468
Project / Site name: New Farm, Warminster
Your Order No: PO9684

Lab Sample Number				1750183	1750184	1750185	1750186	1750187
Sample Reference				TP02	TP03	TP07	TP08	TP10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	0.10	1.00	0.10	0.10
Date Sampled				21/01/2021	21/01/2021	21/01/2021	21/01/2021	21/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
TPH2 (C6 - C10)	mg/kg	0.1	MCERTS	-	-	-	-	-

TPH C6 - C40	mg/kg	10	NONE	-	-	-	-	-
--------------	-------	----	------	---	---	---	---	---

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	< 8.0	-	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	< 8.0	-	< 8.0	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	< 8.4	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	-	< 10	-

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	< 10	-	< 10	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	< 10	-	< 10	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	< 8.4	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	-	< 10	-

Organochlorine Pesticides (OCP)

Aldrin	µg/kg	10	NONE	-	< 10	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	< 10	-	-	-
BHC-beta	µg/kg	10	NONE	-	< 10	-	-	-
BHC-delta	µg/kg	10	NONE	-	< 10	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	< 10	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	< 10	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	< 10	-	-	-
DDD-p,p'	µg/kg	1	NONE	-	< 1.0	-	-	-
DDE-p,p'	µg/kg	1	NONE	-	< 1.0	-	-	-
DDT-p,p'	µg/kg	1	NONE	-	< 1.0	-	-	-
Dieldrin	µg/kg	10	NONE	-	< 10	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	< 10	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	< 10	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	< 10	-	-	-
Endrin	µg/kg	10	NONE	-	< 10	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	< 10	-	-	-
Endrin ketone	µg/kg	10	NONE	-	< 10	-	-	-
Heptachlor	µg/kg	10	NONE	-	< 10	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	< 10	-	-	-
Methoxychlor, p,p'-	µg/kg	10	NONE	-	< 10	-	-	-

Organophosphorus Pesticides (OPP)

Azinphos-methyl	µg/kg	10	NONE	-	< 10	-	-	-
Demeton-O	µg/kg	10	NONE	-	< 10	-	-	-
Demeton-S	µg/kg	10	NONE	-	< 10	-	-	-
Fenthion	µg/kg	10	NONE	-	< 10	-	-	-
Phorate	µg/kg	10	NONE	-	< 10	-	-	-

Analytical Report Number: 21-53468
 Project / Site name: New Farm, Warminster
 Your Order No: PO9684

Lab Sample Number				1750183	1750184	1750185	1750186	1750187
Sample Reference				TP02	TP03	TP07	TP08	TP10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	0.10	1.00	0.10	0.10
Date Sampled				21/01/2021	21/01/2021	21/01/2021	21/01/2021	21/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					

Triazine Herbicides

Atrazine	mg/kg	0.1	NONE	-	< 0.10	-	-	-
Simazine	mg/kg	0.1	NONE	-	< 0.10	-	-	-
Prometryn	mg/kg	0.1	NONE	-	< 0.10	-	-	-
Propazine	mg/kg	0.1	NONE	-	< 0.10	-	-	-
Terbutylazine	mg/kg	0.1	NONE	-	< 0.10	-	-	-
Terbutryn	mg/kg	0.1	NONE	-	< 0.10	-	-	-

E11

Atraton	mg/kg	0.1	NONE	-	< 0.10	-	-	-
Prometon	mg/kg	0.1	NONE	-	< 0.10	-	-	-
Simetryn	mg/kg	0.1	NONE	-	< 0.10	-	-	-
Ametryn	mg/kg	0.1	NONE	-	< 0.10	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-53468
Project / Site name: New Farm, Warminster
Your Order No: PO9684

Lab Sample Number				1750188	1750189	1750190	1750191	1750192
Sample Reference				TP10	TP12	TP17	TP18	TP20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	1.00	1.00	0.10	0.80
Date Sampled				21/01/2021	21/01/2021	21/01/2021	21/01/2021	21/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	21	19	29	20
Total mass of sample received	kg	0.001	NONE	0.4	0.4	0.4	0.4	0.36

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.1	-	-	7.6	7.9
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.013	-	-	0.025	0.013
Organic Matter	%	0.1	MCERTS	0.4	-	-	7.4	0.5

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	-	-	< 0.80	< 0.80
-----------------------------	-------	-----	--------	--------	---	---	--------	--------

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.7	5.4	5.2	10	5.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	0.5	< 0.2
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8.7	8.6	8.8	21	9.1
Copper (aqua regia extractable)	mg/kg	1	MCERTS	5.1	6.8	8	25	5.2
Lead (aqua regia extractable)	mg/kg	1	MCERTS	4.8	4.7	3.7	92	5.7
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	8.1	13	14	19	8.6
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	16	17	16	70	16

Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	-	-	-	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	-	-	-	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	-	-	-	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	-	-	-	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH C10 - C40	mg/kg	10	MCERTS	< 10	-	-	-	-
---------------	-------	----	--------	------	---	---	---	---

Analytical Report Number: 21-53468
Project / Site name: New Farm, Warminster
Your Order No: PO9684

Lab Sample Number				1750188	1750189	1750190	1750191	1750192
Sample Reference				TP10	TP12	TP17	TP18	TP20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	1.00	1.00	0.10	0.80
Date Sampled				21/01/2021	21/01/2021	21/01/2021	21/01/2021	21/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		
TPH2 (C6 - C10)				mg/kg	0.1	MCERTS	< 0.1	-

TPH C6 - C40	mg/kg	10	NONE	< 10	-	-	-	-
--------------	-------	----	------	------	---	---	---	---

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	-	-	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	-	-	< 8.0	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	< 8.4	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	-	< 10	< 10

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	-	-	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	-	-	< 10	< 10
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	< 8.4	< 8.4
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	-	< 10	< 10

Organochlorine Pesticides (OCP)

Aldrin	µg/kg	10	NONE	-	-	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	-	-	-	-
BHC-beta	µg/kg	10	NONE	-	-	-	-	-
BHC-delta	µg/kg	10	NONE	-	-	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	-	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	-	-	-	-
DDD-p,p'	µg/kg	1	NONE	-	-	-	-	-
DDE-p,p'	µg/kg	1	NONE	-	-	-	-	-
DDT-p,p'	µg/kg	1	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin ketone	µg/kg	10	NONE	-	-	-	-	-
Heptachlor	µg/kg	10	NONE	-	-	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Methoxychlor, p,p'-	µg/kg	10	NONE	-	-	-	-	-

Organophosphorus Pesticides (OPP)

Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 21-53468
 Project / Site name: New Farm, Warminster
 Your Order No: PO9684

Lab Sample Number				1750188	1750189	1750190	1750191	1750192
Sample Reference				TP10	TP12	TP17	TP18	TP20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	1.00	1.00	0.10	0.80
Date Sampled				21/01/2021	21/01/2021	21/01/2021	21/01/2021	21/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Triazine Herbicides								
Atrazine	mg/kg	0.1	NONE	-	-	-	-	-
Simazine	mg/kg	0.1	NONE	-	-	-	-	-
Prometryn	mg/kg	0.1	NONE	-	-	-	-	-
Propazine	mg/kg	0.1	NONE	-	-	-	-	-
Terbutylazine	mg/kg	0.1	NONE	-	-	-	-	-
Terbutryn	mg/kg	0.1	NONE	-	-	-	-	-

E11

Atraton	mg/kg	0.1	NONE	-	-	-	-	-
Prometon	mg/kg	0.1	NONE	-	-	-	-	-
Simetryn	mg/kg	0.1	NONE	-	-	-	-	-
Ametryn	mg/kg	0.1	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-53468
Project / Site name: New Farm, Warminster
Your Order No: PO9684

Lab Sample Number				1750193
Sample Reference				TP22
Sample Number				None Supplied
Depth (m)				0.10
Date Sampled				21/01/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	24
Total mass of sample received	kg	0.001	NONE	0.4

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.5
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.025
Organic Matter	%	0.1	MCERTS	6.1

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80
-----------------------------	-------	-----	--------	--------

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17
Copper (aqua regia extractable)	mg/kg	1	MCERTS	25
Lead (aqua regia extractable)	mg/kg	1	MCERTS	100
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	70

Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	-
Toluene	µg/kg	1	MCERTS	-
Ethylbenzene	µg/kg	1	MCERTS	-
p & m-xylene	µg/kg	1	MCERTS	-
o-xylene	µg/kg	1	MCERTS	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-

Petroleum Hydrocarbons

TPH C10 - C40	mg/kg	10	MCERTS	< 10
---------------	-------	----	--------	------

Analytical Report Number: 21-53468
Project / Site name: New Farm, Warminster
Your Order No: PO9684

Lab Sample Number				1750193
Sample Reference				TP22
Sample Number				None Supplied
Depth (m)				0.10
Date Sampled				21/01/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
TPH2 (C6 - C10)	mg/kg	0.1	MCERTS	< 0.1

TPH C6 - C40	mg/kg	10	NONE	< 10
--------------	-------	----	------	------

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-

Organochlorine Pesticides (OCP)

Aldrin	µg/kg	10	NONE	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-
BHC-beta	µg/kg	10	NONE	-
BHC-delta	µg/kg	10	NONE	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-
Chlordane-cis	µg/kg	10	NONE	-
Chlordane-trans	µg/kg	10	NONE	-
DDD-p,p'	µg/kg	1	NONE	-
DDE-p,p'	µg/kg	1	NONE	-
DDT-p,p'	µg/kg	1	NONE	-
Dieldrin	µg/kg	10	NONE	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-
Endosulfan sulfate	µg/kg	10	NONE	-
Endrin	µg/kg	10	NONE	-
Endrin aldehyde	µg/kg	10	NONE	-
Endrin ketone	µg/kg	10	NONE	-
Heptachlor	µg/kg	10	NONE	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-
Methoxychlor, p,p'-	µg/kg	10	NONE	-

Organophosphorus Pesticides (OPP)

Azinphos-methyl	µg/kg	10	NONE	-
Demeton-O	µg/kg	10	NONE	-
Demeton-S	µg/kg	10	NONE	-
Fenthion	µg/kg	10	NONE	-
Phorate	µg/kg	10	NONE	-

Analytical Report Number: 21-53468
 Project / Site name: New Farm, Warminster
 Your Order No: PO9684

Lab Sample Number				1750193
Sample Reference				TP22
Sample Number				None Supplied
Depth (m)				0.10
Date Sampled				21/01/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Triazine Herbicides				
Atrazine	mg/kg	0.1	NONE	-
Simazine	mg/kg	0.1	NONE	-
Prometryn	mg/kg	0.1	NONE	-
Propazine	mg/kg	0.1	NONE	-
Terbutylazine	mg/kg	0.1	NONE	-
Terbutryn	mg/kg	0.1	NONE	-

E11

Atraton	mg/kg	0.1	NONE	-
Prometon	mg/kg	0.1	NONE	-
Simetryn	mg/kg	0.1	NONE	-
Ametryn	mg/kg	0.1	NONE	-

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-53468

Project / Site name: New Farm, Warminster

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1750183	TP02	None Supplied	1	Brown clay and sand with gravel.
1750184	TP03	None Supplied	0.1	Brown loam and clay with gravel and vegetation.
1750185	TP07	None Supplied	1	Brown clay and sand with gravel.
1750186	TP08	None Supplied	0.1	Brown clay and loam with gravel and vegetation.
1750187	TP10	None Supplied	0.1	Brown loam and clay with gravel.
1750188	TP10	None Supplied	1	Brown clay and sand with gravel.
1750189	TP12	None Supplied	1	Brown sandy clay with gravel.
1750190	TP17	None Supplied	1	Brown sandy clay with gravel.
1750191	TP18	None Supplied	0.1	Brown loam and clay with gravel and vegetation.
1750192	TP20	None Supplied	0.8	Brown sandy clay with gravel.
1750193	TP22	None Supplied	0.1	Brown loam and clay with gravel and vegetation.

Analytical Report Number : 21-53468

Project / Site name: New Farm, Warminster

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
TPH2 (Soil)	Determination of hydrocarbons C6-C10 by headspace GC-MS.	In-house method based on USEPA8260	L088-PL	W	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE
Organochlorine Pesticides in soil by GC MS/MS	Determination of Pesticides in soil by GC MS/MS	Organochlorine Pesticides in soil by GC MS/MS	L055B-PL	D	NONE
Organophosphorus Pesticides in soil by GC MS/MS	Determination of Pesticides in soil by GC MS/MS	Organophosphorus Pesticides in soil by GC MS/MS	L055B-PL	D	NONE
TPH Banding in Soil by FID	Determination of hexane extractable hydrocarbons in soil by GC-FID.	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	W	MCERTS
Herbicides by LC and GC-MS	Herbicides by LC and GC-MS	In-house method		W	NONE
TPH C6 - C40 (soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method.	L076-PL	W	NONE

Analytical Report Number : 21-53468

Project / Site name: New Farm, Warminster

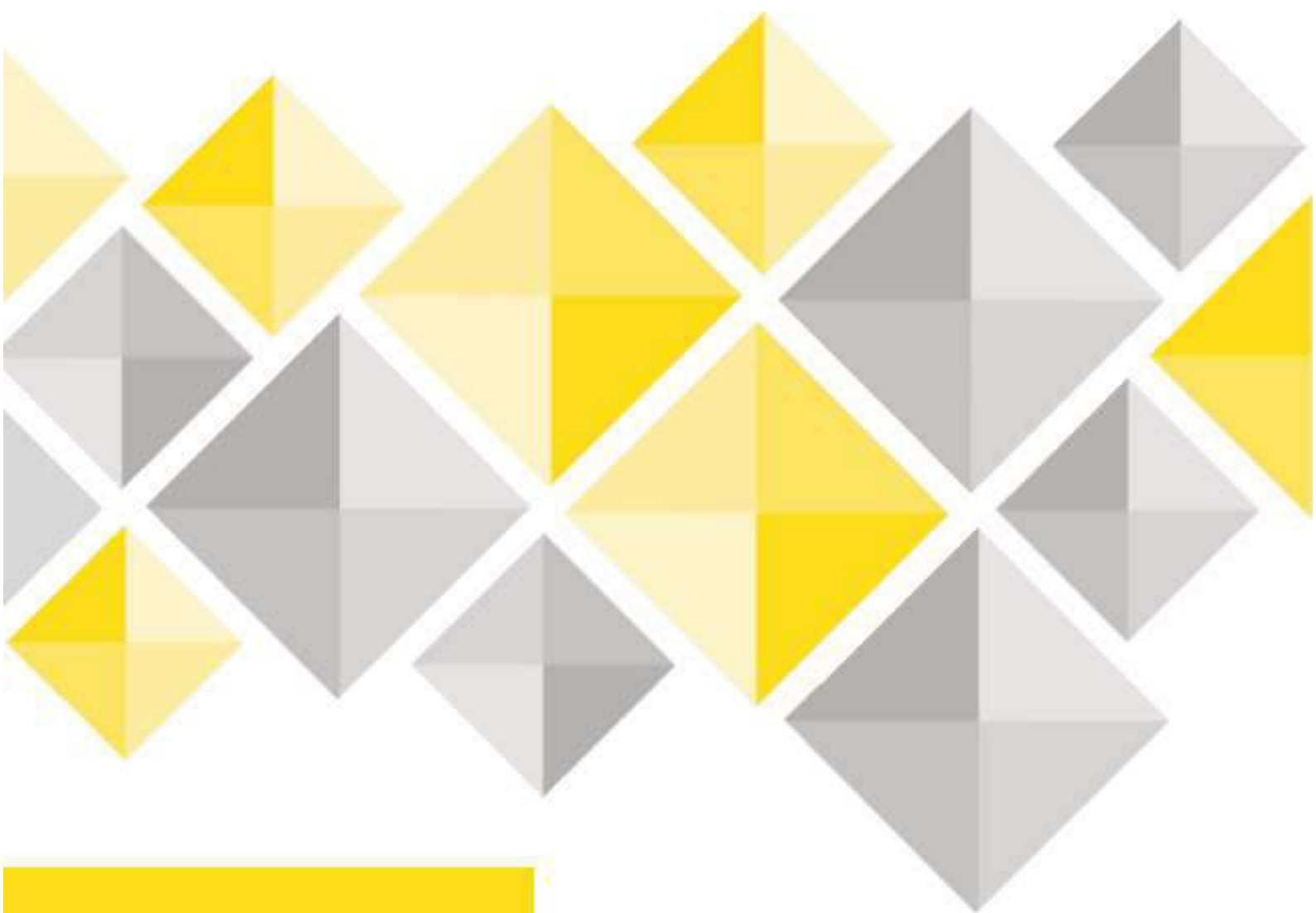
Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
TO - Triazine pesticides in soil	Determination of Triazines by LC-MS(/MS).	In-house method based on USEPA method 615.		W	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.



clarkebond

MULTIDISCIPLINARY ENGINEERING CONSULTANTS

The Cocoa House
129 Cumberland Road
Bristol
BS1 6UY

tel: +44 (0)117 929 2244

GF Suite
Bickleigh House
Park Five Business Centre
Exeter EX2 7HU

tel: +44 (0)1392 369098

7 Hatchers Mews
Bermondsey Street
London
SE1 3GS

tel: +44(0)20 7939 0959

www.clarkebond.com