

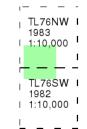
soiltechnics

environmental • geotechnical • building fabric

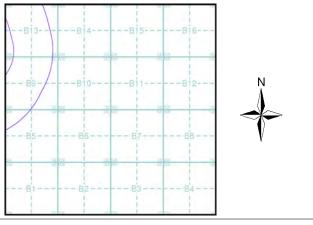
Ordnance Survey Plan Published 1982 - 1983 Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

304894834_1_1 Order Number: **Customer Ref:** STU5875 National Grid Reference: 570650, 266100 Slice:

Site Area (Ha): Search Buffer (m): 51.85

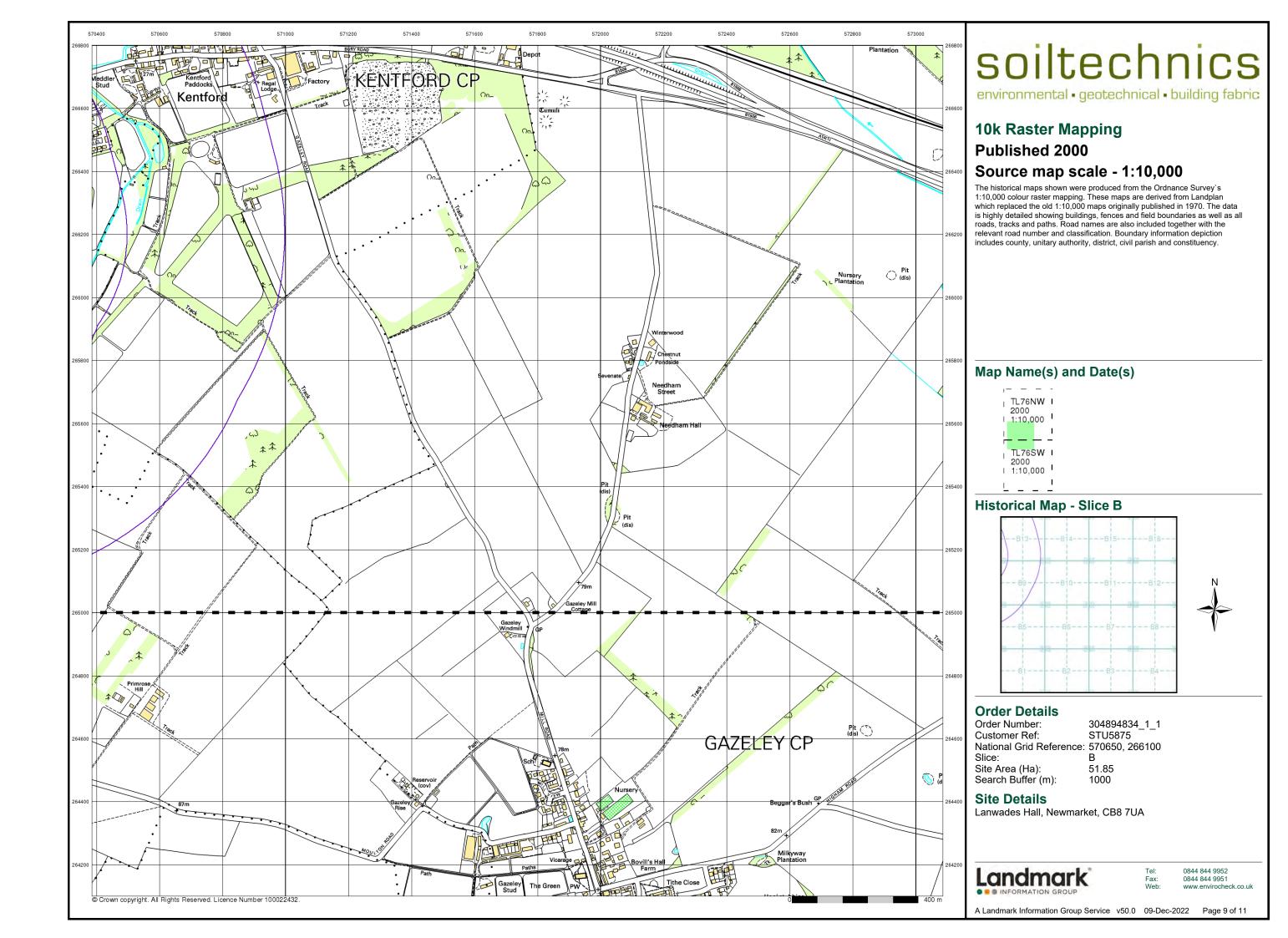
Site Details

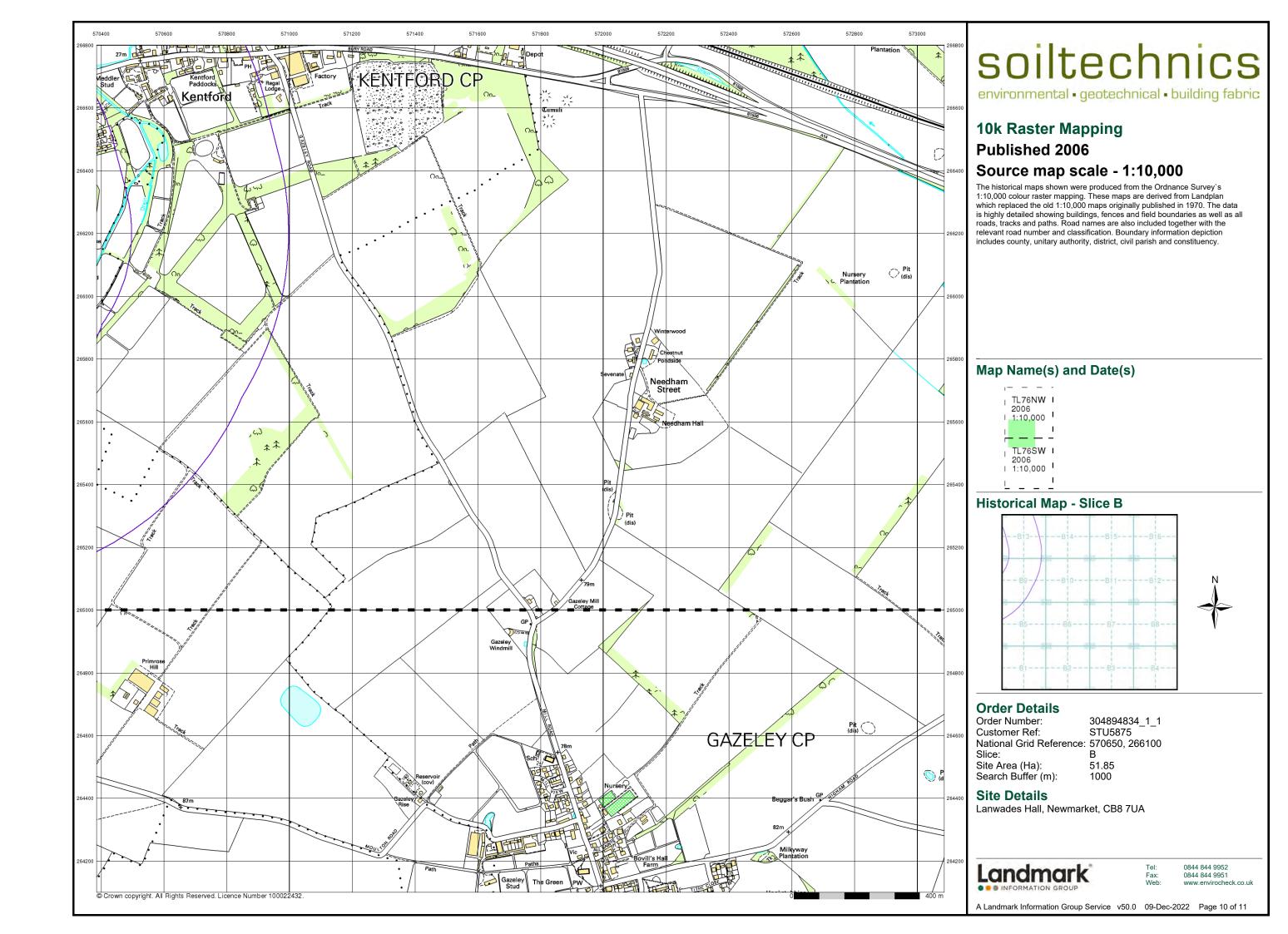
Lanwades Hall, Newmarket, CB8 7UA

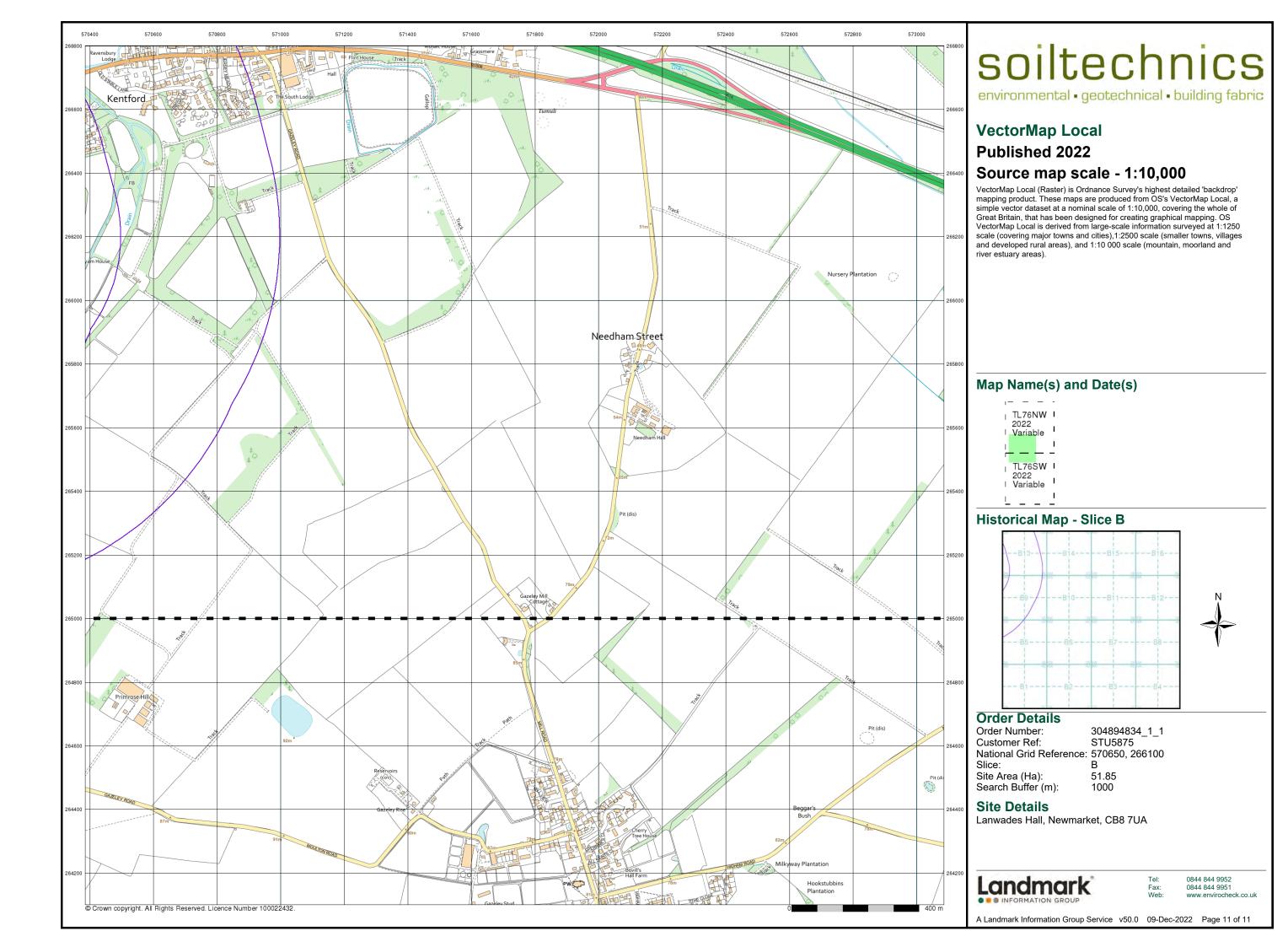


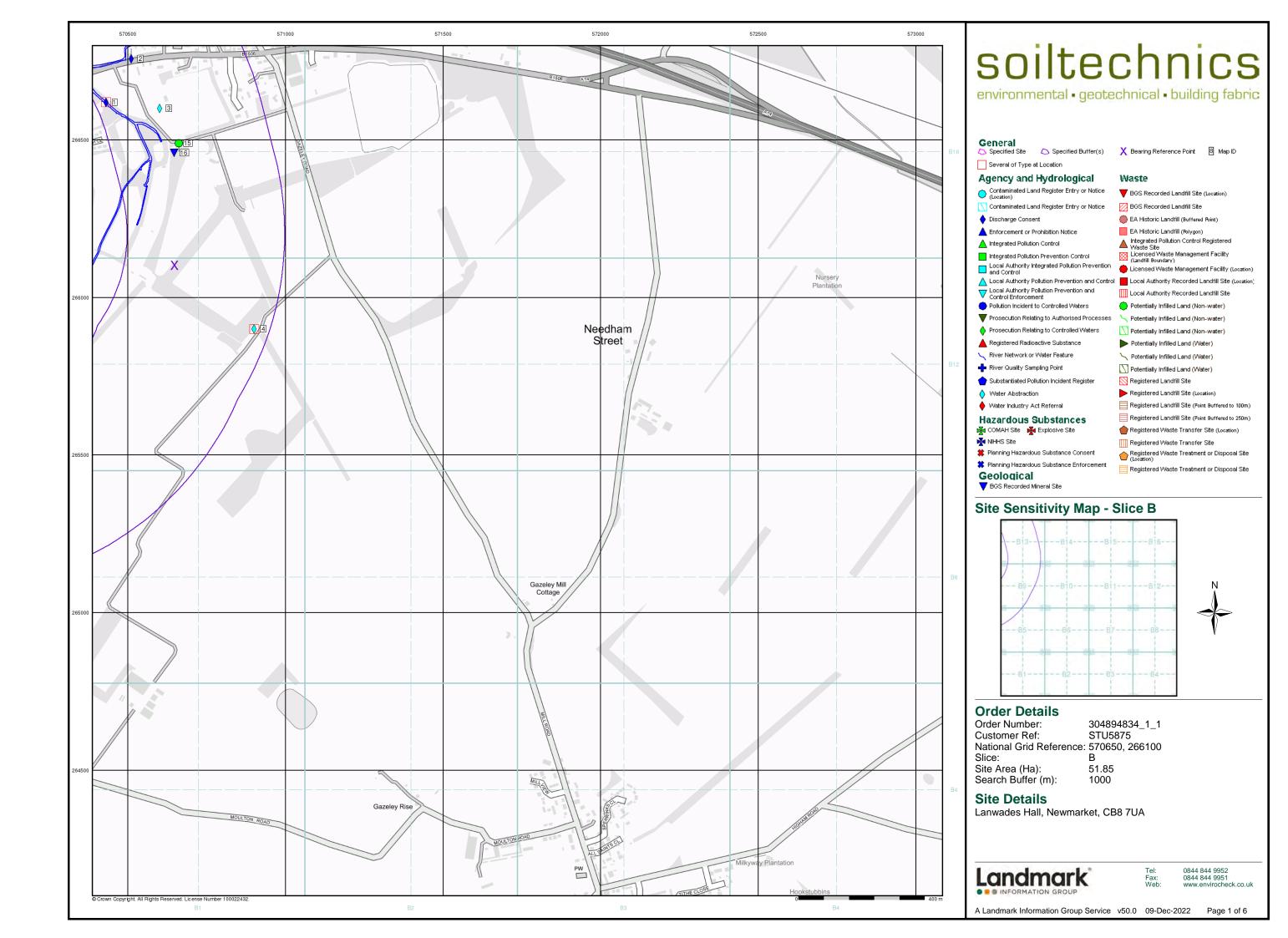
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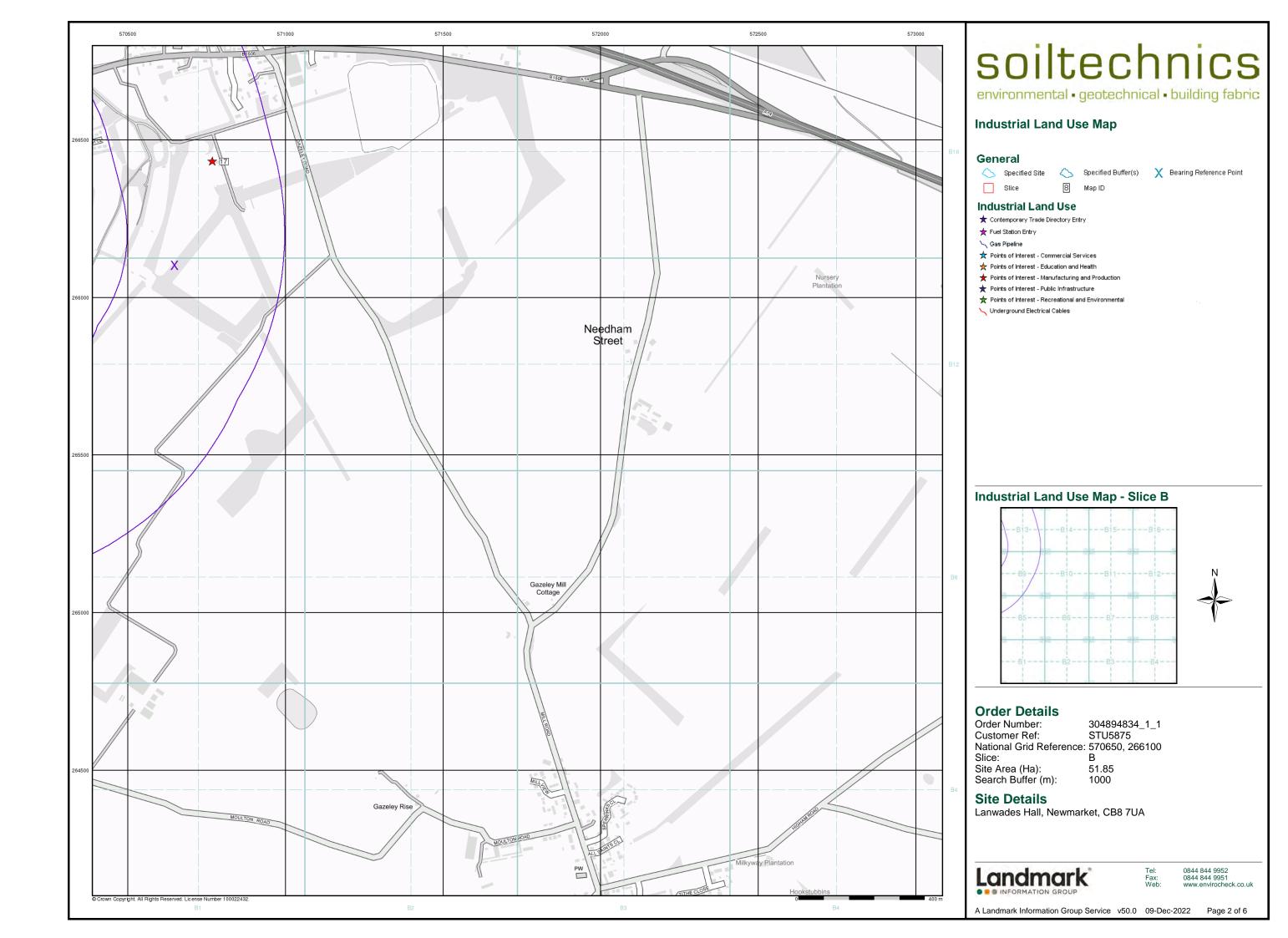
A Landmark Information Group Service v50.0 09-Dec-2022 Page 8 of 11

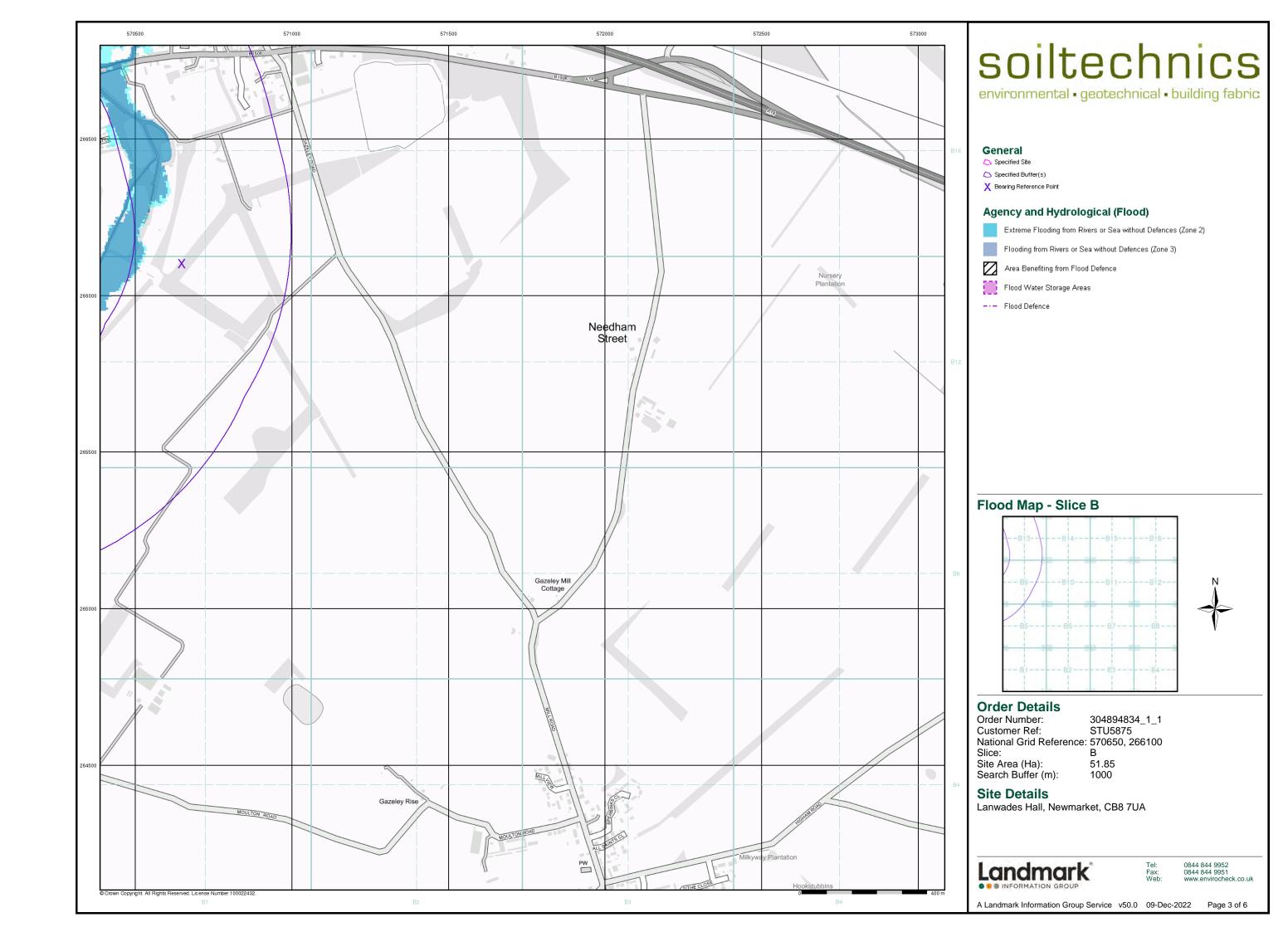


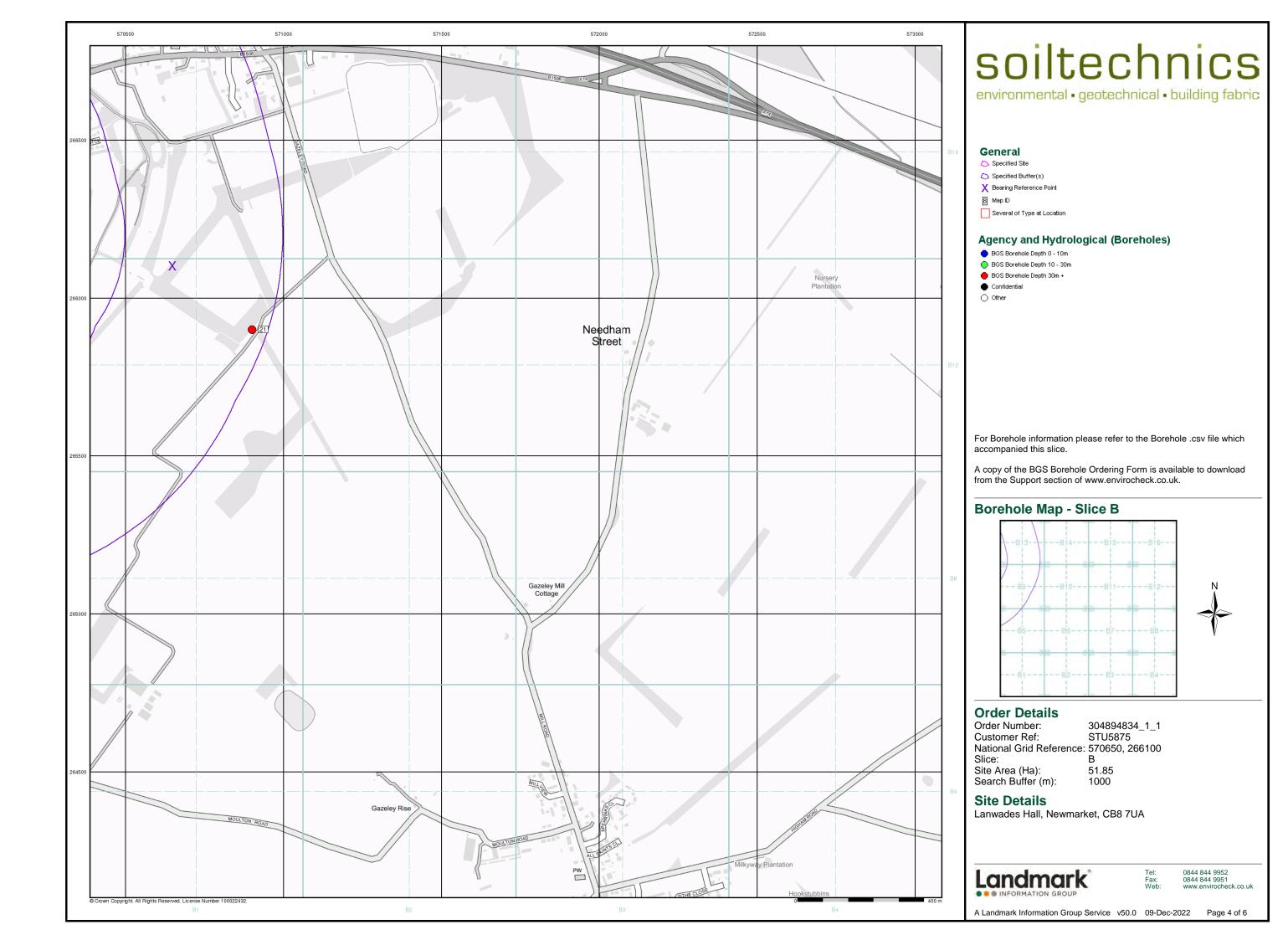


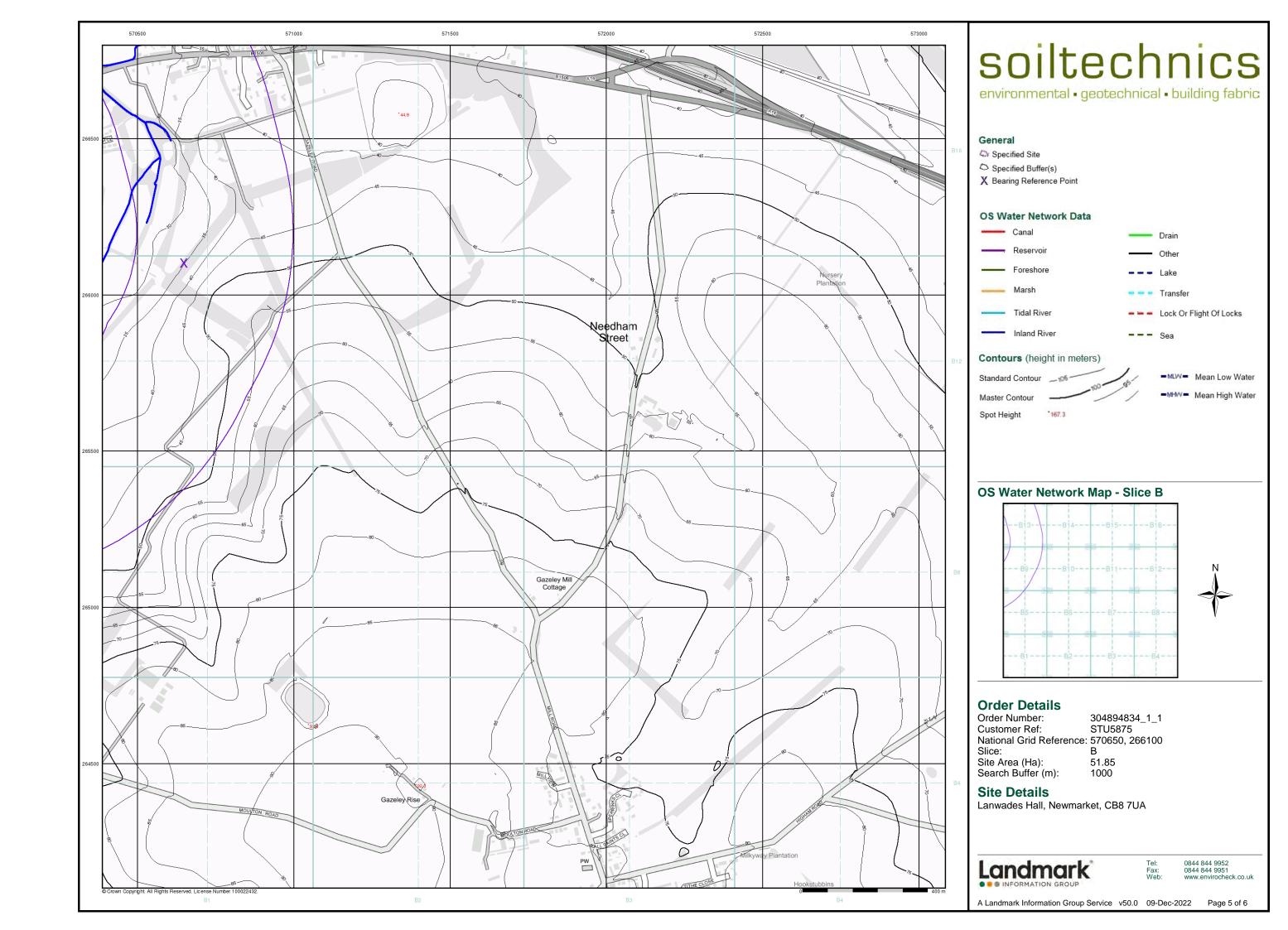


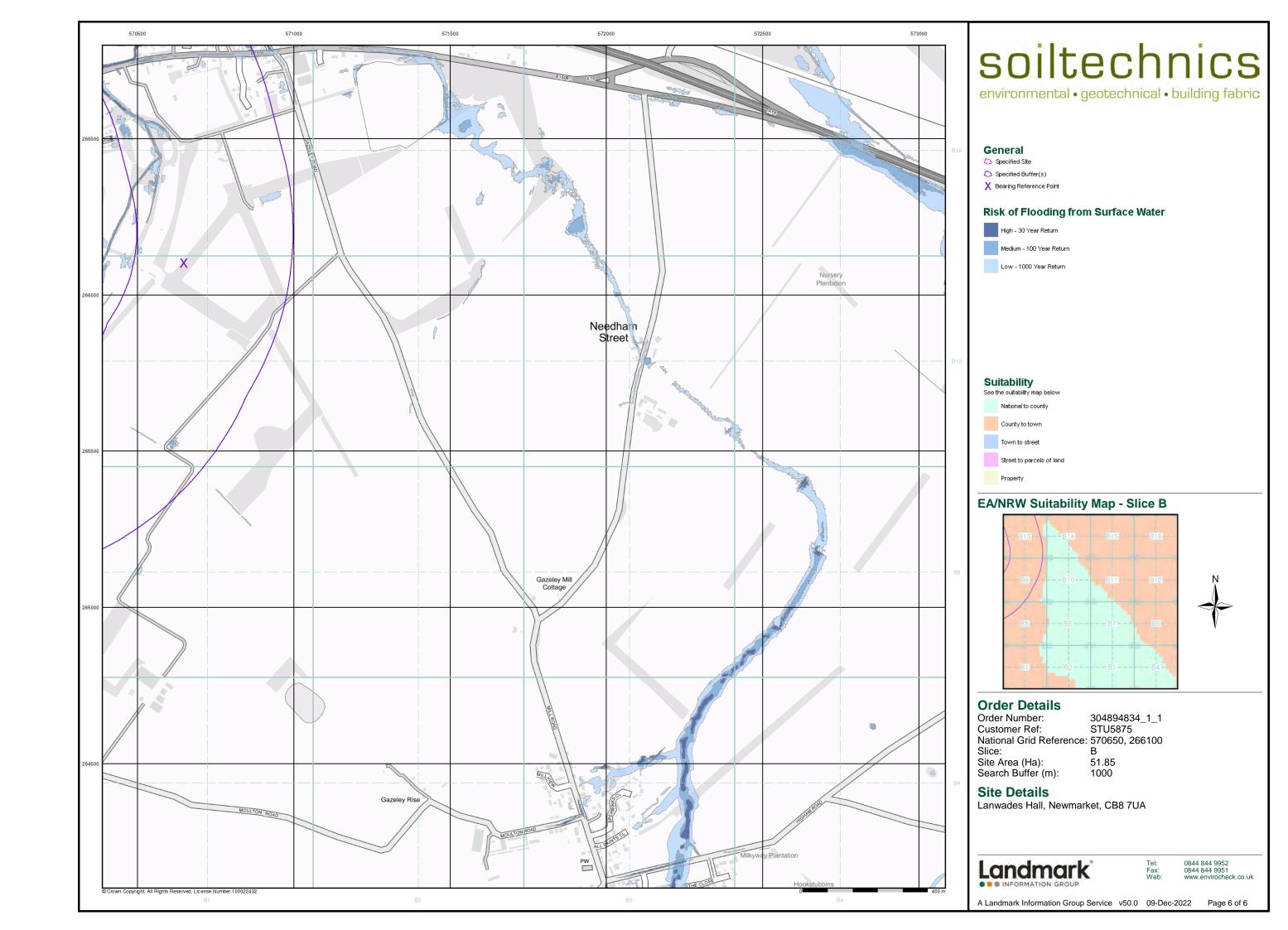


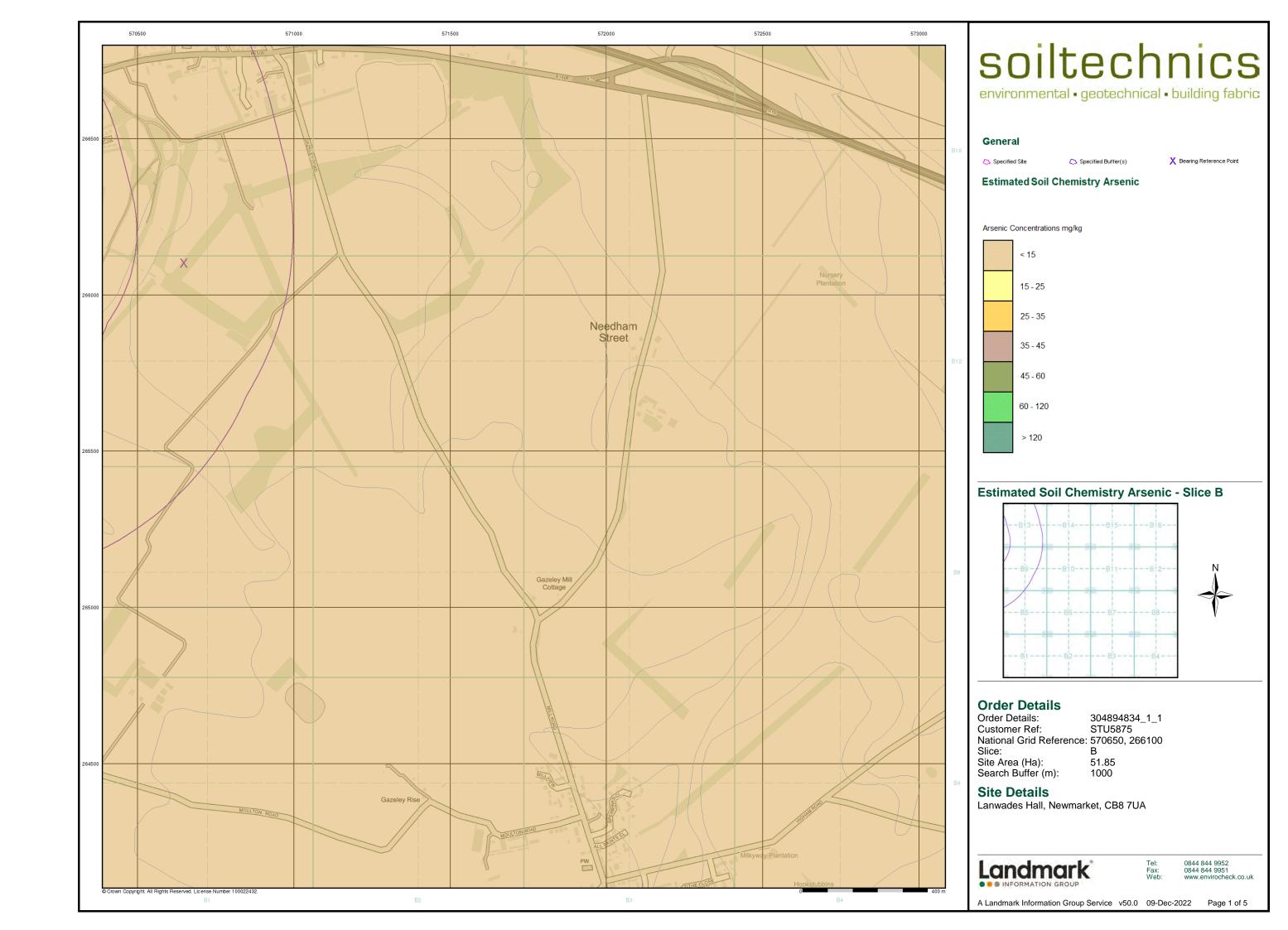




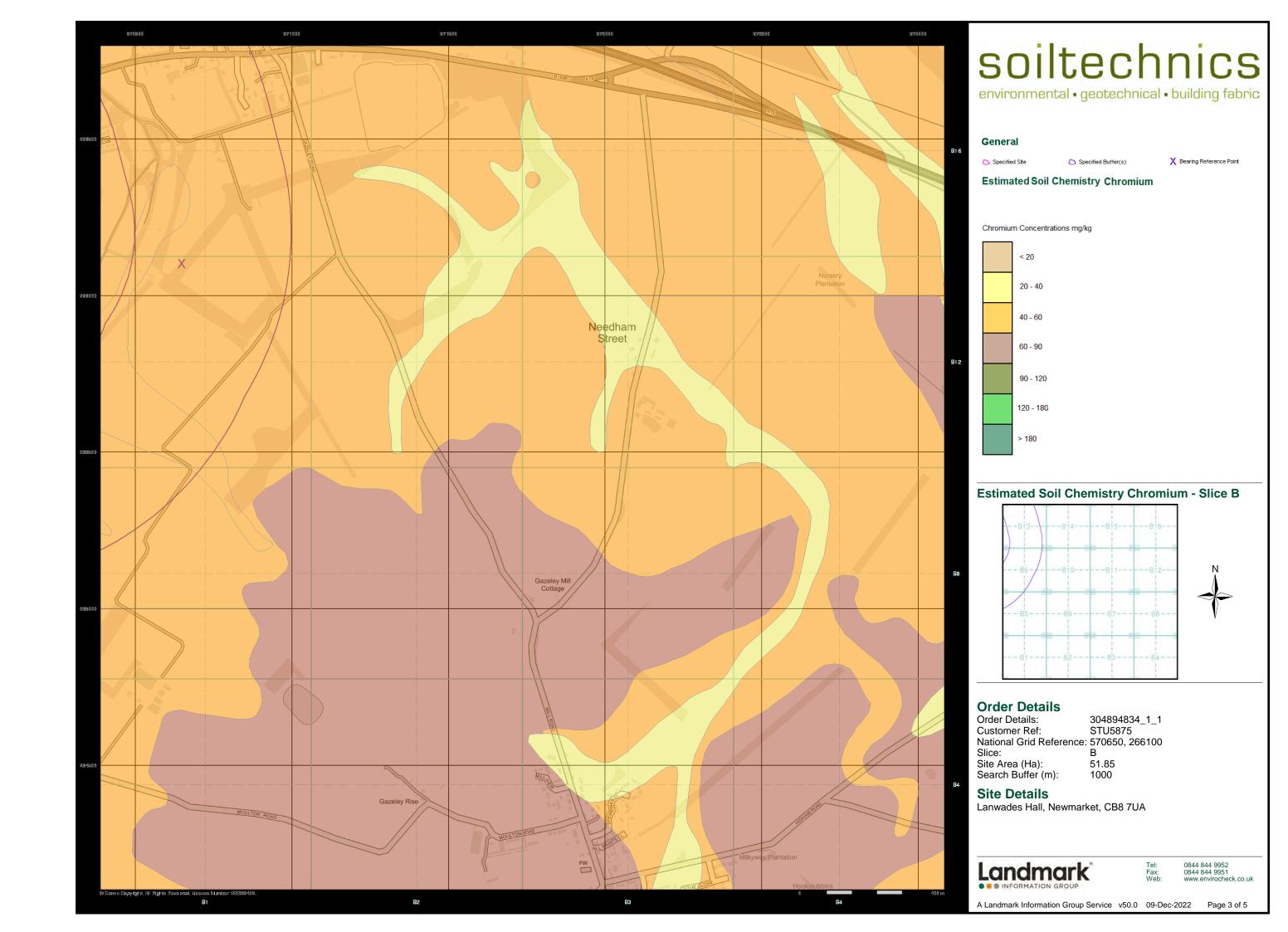


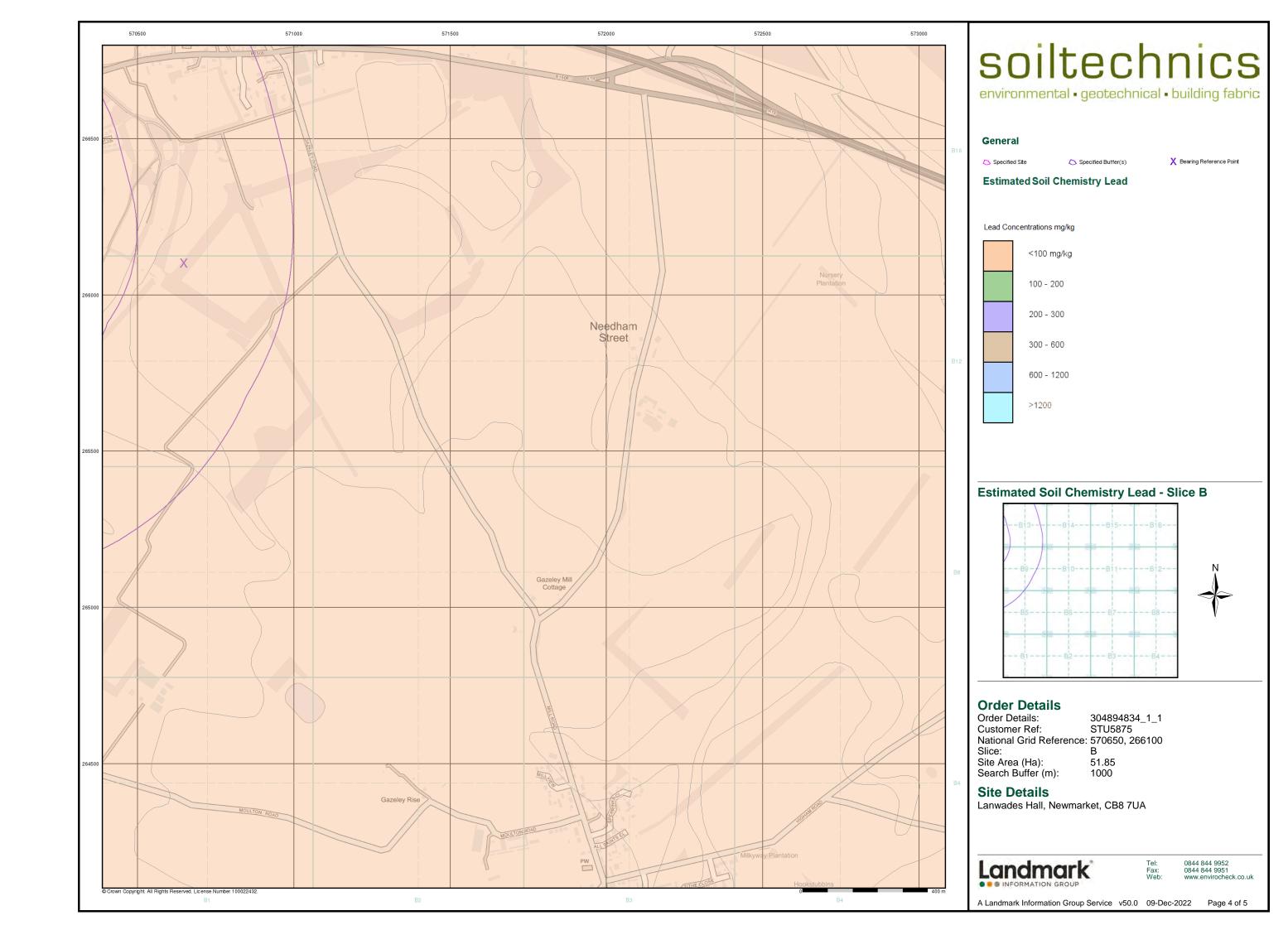


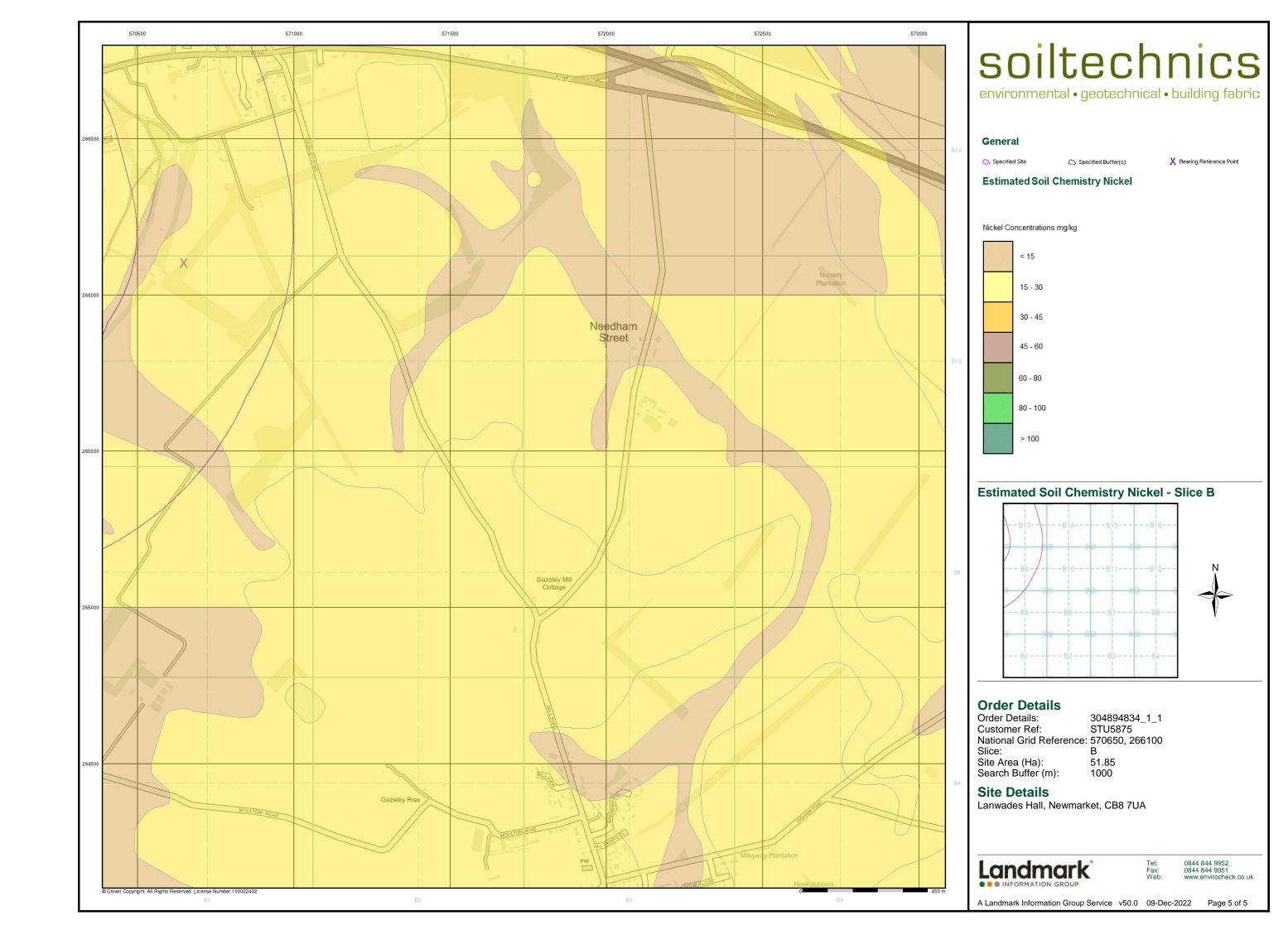














Envirocheck® Report:

Datasheet

Order Details:

Order Number:

304894834_1_1

Customer Reference:

STU5875

National Grid Reference:

569420, 267080

Slice:

С

Site Area (Ha):

51.85

Search Buffer (m):

1000

Site Details:

Lanwades Hall Newmarket CB8 7UA

Client Details:

Ms S Ltd Soiltechnics Cedar Barn White Lodge Walgrave Northampton NN6 9PY



Order Number: 304894834_1_1 Date: 09-Dec-2022 rpr_ec_datasheet v53.0 A Landmark Information Group Service





Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	7
Hazardous Substances	-
Geological	8
Industrial Land Use	11
Sensitive Land Use	12
Data Currency	13
Data Suppliers	19
Useful Contacts	20

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.

For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0





Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control	pg 1				1
Local Authority Pollution Prevention and Controls	pg 1				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1				Yes
Pollution Incidents to Controlled Waters	pg 1				1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2				(*12)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 5	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 5	2	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 5	3			
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 6				3



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 7	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 7				1
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					



Summary



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 8	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 8	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 8				3
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 9	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 9	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 9		Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 9		Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 9		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 10		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 11				3
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production					
Points of Interest - Public Infrastructure	pg 11				2
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas	pg 12				1
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 12	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	C3SE	0	1	569500
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	(SE)	3	1	266950 570000
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	C4NW	82	1	266450 570000
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	(E)	115	1	267150 569950
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	C4NE (E)	259	1	266700 570150 267300
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	C4SW (E)	337	1	570000 267084
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	C3SE (SE)	437	1	569424 267084
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	(E)	488	1	570550 266750
1	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Hanson 42 Station Road, Kennett, Newmarket, Suffolk, Cb8 7ze East Cambridgeshire District Council, Environmental Health Department 06/92/EF Not Supplied Mineral Industries Roadstone Coating Plant Permit Issued Manually positioned to the address or location	C4SE (E)	613	2	570182 266958
2	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Hution Prevention and Controls Hanson 42 Station Road, Kennett, NEWMARKET, Suffolk, CB8 7QD East Cambridgeshire District Council, Environmental Health Department PPC/12/2007 25th March 1993 Local Authority Pollution Prevention and Control PG3/15 Mineral drying and roadstone coating processes Site Closed Manually positioned to the address or location	C4SE (E)	615	2	570181 266961
	Nearest Surface Wa	ater Feature	C4SE (E)	786	-	570329 267093
3	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters Road Ely District, KENNETT Environment Agency, Anglian Region Chemicals - Unknown Not To Stream 2nd April 1999 4167 Not Given Potential Groundwater Fire Category 3 - Minor Incident Located by supplier to within 100m	C4SW (E)	638	3	570001 267101



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	John Fenwick 6/33/38/*s/018 Not Supplied River Kennett Abstraction Point, KENNETT Environment Agency, Anglian Region Spray Irrigation Not Supplied Stream 5 101810 Status: Revoked Not Supplied Located by supplier to within 10m	C7NE (N)	1448	3	569550 267940
	-	R W Harrington & Son 6/33/34/*s/139 Not Supplied Reach Lode North West Of, REACH Environment Agency, Anglian Region Spray Irrigation Not Supplied Stream 9 231820 Status: Revoked Not Supplied Located by supplier to within 100m	C6SW (NW)	1580	3	568680 267800
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Arthur S Rickwood Ltd 6/33/38/*g/008 Not Supplied Well At, KENNETT Environment Agency, Anglian Region Agriculture (General) Not Supplied Well And Borehole 0 3640 C Chalk 8; Status: Revoked Not Supplied Located by supplier to within 10m	C6NW (NW)	1701	3	568600 267900
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Arthur S Rickwood Ltd 6/33/38/*g/008 Not Supplied Well At, KENNETT Environment Agency, Anglian Region Agriculture (General) Not Supplied Well And Borehole 0 3640 C Chalk 8; Status: Revoked Not Supplied Located by supplier to within 10m	C6NW (NW)	1707	3	568610 267910



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	R F Tilbrook And Sons 6/33/8/*g/037 Not Supplied Borehole At Dane Hill, KENTFORD Environment Agency, Anglian Region Spray Irrigation Not Supplied Well And Borehole 80 1818180 C Chalk 8; Status: Revoked Not Supplied Located by supplier to within 10m	C6NE (NW)	1782	3	568905 268095
	Water Abstractions				_	
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	R F Tilbrook And Sons 6/33/8/*g/031 Not Supplied Borehole At Dane Hill, KENTFORD Environment Agency, Anglian Region Spray Irrigation Not Supplied Well And Borehole 60 1363630 C Chalk 8; Status: Revoked Not Supplied Located by supplier to within 10m	C6NE (NW)	1784	3	568900 268095
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	R F Tilbrook & Sons 6/33/38/*G/0071/R02 1 Borehole At Kennett Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied 01 March 31 October 1st April 2018 Not Supplied Located by supplier to within 10m	C6NE (NW)	1787	3	568877 268090
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	R F Tilbrook & Sons 6/33/8/*G/0071/R01 1 Borehole At Kennett Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied O1 March 31 October 1st April 2015 Not Supplied Located by supplier to within 10m	C6NE (NW)	1787	3	568877 268090



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions				_	
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source:	R F Tilbrook & Sons 6/33/38/*G/0071 1 Borehole At Kennett Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Direct Water may be abstracted from a single point Groundwater	C6NE (NW)	1787	3	568877 268090
	Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Not Supplied Not Supplied Not Supplied Of March				
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy: Water Abstractions	R F Tilbrook & Sons 6/33/38/*G/0063 2 Borehole At Kennett Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Not Supplied 101 April 30 September 10th November 2003 Not Supplied Located by supplier to within 10m	C6NE (NW)	1789	3	568870 268090
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	R F Tilbrook & Sons 6/33/38/*G/0063 1 Borehole At Kennett Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied O1 April 30 September 9th July 2003 Not Supplied Located by supplier to within 10m	C6NE (NW)	1789	3	568870 268090
	Water Abstractions Operator:	R F Tilbrook & Sons	C6NE	1789	3	568900
	Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	6/33/38/'G/0051 100 Borehole At Kennett Environment Agency, Anglian Region General Agriculture: Spray Irrigation - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied C Chalk 8; Status: Temporary 01 April 30 September 1st March 1993 Not Supplied Located by supplier to within 10m	(NW)		-	268100



Page 5 of 20

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Man				
	Combined	Principle Bedrock Aquifer - High Vulnerability	C2SE	0	4	569000
	Classification:	Thropic Boardok Aquilor Tright Valiforability	(W)			267000
	Combined	High	, ,			
	Vulnerability:					
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer Intermediate				
	Pollutant Speed: Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	>70%				
	Superficial	<90%				
	Patchiness: Superficial	<3m				
	Thickness:	3111				
	Superficial	No Data				
	Recharge:	1.00				
	Groundwater Vulne		656-			F
	Combined	Principle Bedrock Aquifer - High Vulnerability	C3SE	0	4	569424
	Classification: Combined	High	(S)			267000
	Vulnerability:	i ngii				
	Combined Aquifer:	Productive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	High				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year >70%				
	Superficial	<90%				
	Patchiness:					
	Superficial	<3m				
	Thickness:	N. D.				
	Superficial Recharge:	No Data				
	-					
		erability - Soluble Rock Risk				
	Classification:	Significant Risk - Problems Unlikely	C2SE (W)	0	4	569000 267000
	Groundwater Vulne	erability - Soluble Rock Risk	(**)			207000
		-	0005		4	500404
	Classification:	Significant Risk - Problems Unlikely	C3SE (S)	0	4	569424 267000
	Bedrock Aquifer De	esignations	(0)			201000
	Aquifer Designation:	-	C3SE	0	4	569424
	Aquilei Designation.	Filliopal Aquilei	(SE)		4	267084
	Superficial Aquifer	Designations	\/			
	No Data Available					
		_				
	Source Protection					
4	Name:	Not Supplied	(SE)	0	3	569972
	Source: Reference:	Environment Agency, Head Office Not Supplied				266274
	Type:	Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day				
		travel time whichever is greater.				
	Source Protection	Zones				
5	Name:	Not Supplied	(SE)	0	3	569966
J	Source:	Environment Agency, Head Office	(SL)		3	266271
	Reference:	Not Supplied				
	Type:	Zone I (Inner Protection Zone): Travel time of 50 days or less to the				
		groundwater source.				
	Source Protection	Zones				
6	Name:	Not Supplied	C3SE	0	3	569424
	Source: Reference:	Environment Agency, Head Office	(SE)			267084
	Type:	Not Supplied Zone III (Total Catchment): The total area needed to support the discharge				
) F =-	from the protected groundwater source.				
	Extreme Flooding f	rom Rivers or Sea without Defences				
	None	Tom Nivers of Oca William Defendes				
		and the April of t				
	_	ers or Sea without Defences				
	None					
	Areas Benefiting fr	om Flood Defences				
	None					
	Flood Water Storag	ue Areas				
	None None	,				
	Flood Defences					
	None					

Order Number: 304894834_1_1 Date: 09-Dec-2022 rpr_ec_datasheet v53.0 A Landmark Information Group Service



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1079.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennett Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4SE (E)	514	5	570332 267102
8	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennett Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4NE (E)	930	5	570364 267219
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1965.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennett Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4NE (E)	938	5	570365 267229





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority La	ndfill Coverage				
	Name:	Suffolk County Council - Has supplied landfill data		0	6	569629 266482
	Local Authority La	ndfill Coverage				
	Name:	Forest Heath District Council - Has supplied landfill data		0	7	569629 266482
	Local Authority La	ndfill Coverage				
	Name:	East Cambridgeshire District Council - Has supplied landfill data		17	2	569424 267084
	Local Authority La	ndfill Coverage				
	Name:	Cambridgeshire County Council - Has not been able to supply Landfill data		17	8	569424 267084
	Potentially Infilled	Land (Non-Water)				
10	Bearing Ref: Use: Date of Mapping:	W Unknown Filled Ground (Pit, quarry etc) 1990	C2NE (W)	960	-	568701 267149





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Description:	d Geology White Chalk Subgroup	C3SE (SE)	0	1	569424 267084
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg <1.8 mg/kg 40 - 60 mg/kg	C3SE (S)	0	1	569424 267000
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg <1.8 mg/kg 40 - 60 mg/kg	C4SW (E)	3	1	570000 267000
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg <1.8 mg/kg 40 - 60 mg/kg	C3SE (SE)	492	1	569424 267084
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil <15 mg/kg <1.8 mg/kg 40 - 60 mg/kg	C4SW (E)	545	1	570000 267084
11	BGS Recorded Mines Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Rosemary Farm Chalk Pit Kentford, Newmarket, Cambridgeshire British Geological Survey, National Geoscience Information Service 145164 Opencast Ceased Unknown Operator Not Supplied Cretaceous White Chalk Subgroup Chalk Located by supplier to within 10m	C4SW (E)	538	1	569893 267031
12	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	The Willows Pit Kennet, Newmarket, Cambridgeshire British Geological Survey, National Geoscience Information Service 211202 Opencast Ceased Unknown Operator Not Supplied Cretaceous White Chalk Subgroup Chalk Located by supplier to within 10m	C3NW (NW)	950	1	569114 267286

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Recorded Mine	eral Sites				
13	Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology:	Waterhall Farm Chalk Pit Kentford, Newmarket, Cambridgeshire British Geological Survey, National Geoscience Information Service 145166 Opencast Ceased Unknown Operator Not Supplied Cretaceous White Chalk Subgroup	C2NE (W)	953	1	568703 267142
	Commodity:	Chalk				
		Located by supplier to within 10m				
	BGS Measured Urba	an Soil Chemistry				
	BGS Urban Soil Che	omistry Avarages				
	No data available	eriiisti y Averages				
	Coal Mining Affecte	d Areas				
	_	not be affected by coal mining				
	Non Coal Mining Ar	eas of Great Britain				
	Risk:	Rare	C3SE	0	1	569424
	Source:	British Geological Survey, National Geoscience Information Service	(SE)			267084
	Non Coal Mining Ar					
	Risk: Source:	Rare British Geological Survey, National Geoscience Information Service	C4SW (E)	3	1	570000 267084
		sible Ground Stability Hazards				
	Hazard Potential:	Very Low	C3SE	0	1	569424
	Source:	British Geological Survey, National Geoscience Information Service	(SE)			267084
	Potential for Collaps Hazard Potential: Source:	sible Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	C4SW (E)	3	1	570000 267084
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	569424 267084
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	C4SW (E)	3	1	570000 267084
	Potential for Ground	d Dissolution Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	569424 267084
	Potential for Ground Hazard Potential: Source:	d Dissolution Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	C4SW (E)	3	1	570000 267084
	Potential for Ground	d Dissolution Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C4NE (E)	202	1	570179 267178
	Potential for Landsl Hazard Potential: Source:	ide Ground Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	569424 267084
	Potential for Landsl Hazard Potential: Source:	ide Ground Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	C4SW (E)	3	1	570000 267084
	Potential for Landsl Hazard Potential: Source:	ide Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	C4NE (E)	202	1	570179 267178
	Potential for Runnir Hazard Potential: Source:	ng Sand Ground Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	569424 267084
	Potential for Runnir Hazard Potential: Source:	ng Sand Ground Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	C4SW (E)	3	1	570000 267084
		ng Sand Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	C4NE (E)	202	1	570179 267178



Geological

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	569424 267084
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	C4SW (E)	3	1	570000 267084
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C4SE (E)	202	1	570302 267121
	Radon Potential - R	adon Affected Areas				
	Affected Area: Source:	The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	569424 267084
	Radon Potential - R	adon Protection Measures				
	Protection Measure: Source:	No radon protective measures are necessary in the construction of new dwellings or extensions British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	569424 267084

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Industrial Land Use

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Contemporary Trad	e Directory Entries				
14	Name: Location: Classification: Status: Positional Accuracy:	Hanson Aggregates 42, Station Road, Kennett, Newmarket, Suffolk, CB8 7QD Sand, Gravel & Other Aggregates Inactive Automatically positioned to the address	C4SE (E)	613	-	570182 266958
	Contemporary Trad	e Directory Entries				
15	Name: Location: Classification: Status: Positional Accuracy:	Fingerprint Digital 72, Station Road, Kennett, Newmarket, Suffolk, CB8 7QF Printing Equipment Manufacturers Inactive Automatically positioned to the address	C4NE (E)	897	-	570084 267347
	Contemporary Trad	e Directory Entries				
16	Name: Location: Classification: Status: Positional Accuracy:	Banks Cargill 73, Station Road, Kennett, Newmarket, Suffolk, CB8 7QF Agricultural Merchants Inactive Automatically positioned to the address	C4NW (NE)	918	-	570040 267384
	Points of Interest -	Public Infrastructure				
17	Name: Location: Category: Class Code: Positional Accuracy:	Kennett Rail Station CB8 Public Transport, Stations and Infrastructure Railway Stations, Junctions and Halts Positioned to address or location	C4NW (E)	779	9	569979 267257
	Points of Interest -	Public Infrastructure				
17	Name: Location: Category: Class Code: Positional Accuracy:	Kennett Station Nr Station Road, CB8 Public Transport, Stations and Infrastructure Railway Stations, Junctions and Halts Positioned to address or location	C4NW (E)	779	9	569979 267257

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Sensitive Land Use

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Environmentally S	Sensitive Areas				
18	Name: Multiple Areas: Total Area (m2): Source:	Breckland (decommissioned) N 945352881.45 Natural England	C4NE (E)	809	10	570063 267261
	Nitrate Vulnerable	Zones				
19	Name: Description: Source:	Ely Ouse And Cut-Off Channel Nvz Surface Water Environment Agency, Head Office	C3SE (SE)	0	4	569424 267084
	Nitrate Vulnerable	Zones				
20	Name: Description: Source:	Anglian Chalk Groundwater Environment Agency, Head Office	C3SE (SE)	0	4	569424 267084

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Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
West Suffolk Council	March 2014	Annual Rolling Update
East Cambridgeshire District Council - Environmental Health Department	October 2017	Annual Rolling Update
Forest Heath District Council (now part of West Suffolk Council) - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Anglian Region	October 2022	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Anglian Region	March 2013	
Integrated Pollution Controls		
Environment Agency - Anglian Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - Anglian Region	July 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Forest Heath District Council (now part of West Suffolk Council) - Environmental Health Department	August 2015	Variable
West Suffolk Council	August 2015	Variable
East Cambridgeshire District Council - Environmental Health Department	October 2014	Variable
Local Authority Pollution Prevention and Controls		
Forest Heath District Council (now part of West Suffolk Council) - Environmental Health Department	August 2015	Annual Rolling Update
West Suffolk Council	August 2015	Annual Rolling Update
East Cambridgeshire District Council - Environmental Health Department	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Forest Heath District Council (now part of West Suffolk Council) - Environmental Health Department	August 2015	Variable
East Cambridgeshire District Council - Environmental Health Department	October 2014	Variable
Nearest Surface Water Feature	September 2022	
Ordnance Survey	September 2022	
Pollution Incidents to Controlled Waters	0 1 1 1000	
Environment Agency - Anglian Region	September 1999	
Prosecutions Relating to Authorised Processes		
Environment Agency - Anglian Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - Anglian Region	March 2013	
Registered Radioactive Substances		
Environment Agency - Anglian Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - Anglian Region - Central Area	July 2022	Quarterly
Water Abstractions		
Environment Agency - Anglian Region	October 2022	Quarterly
Water Industry Act Referrals		
Environment Agency - Anglian Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified

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Data Currency

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability - Soluble Rock Risk		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Source Protection Zones		
Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2022	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	August 2022	Quarterly
Flood Defences		
Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines		
Ordnance Survey	October 2022	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability		
Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	As notified

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Data Currency

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	November 2022	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Central Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Central Area	July 2022	Quarterly
Local Authority Landfill Coverage		
Cambridgeshire County Council	February 2003	Not Applicable
East Cambridgeshire District Council - Environmental Health Department	February 2003	Not Applicable
Forest Heath District Council (now part of West Suffolk Council) - Environmental Health Department	February 2003	Not Applicable
Suffolk County Council	February 2003	Not Applicable
West Suffolk Council	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Cambridgeshire County Council	October 2018	
East Cambridgeshire District Council - Environmental Health Department	October 2018	
Forest Heath District Council (now part of West Suffolk Council) - Environmental Health Department	October 2018	
Suffolk County Council	October 2018	
West Suffolk Council	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Anglian Region - Central Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Central Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Anglian Region - Central Area	June 2015	

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Data Currency

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Suffolk County Council - Environment and Transport	February 2006	Annual Rolling Update
Cambridgeshire County Council	February 2016	Variable
East Cambridgeshire District Council - Planning Department	February 2016	Variable
Forest Heath District Council (now part of West Suffolk Council)	February 2016	Variable
West Suffolk Council	June 2016	Variable
Planning Hazardous Substance Consents		
Suffolk County Council - Environment and Transport	February 2006	Annual Rolling Update
Cambridgeshire County Council	February 2016	Variable
East Cambridgeshire District Council - Planning Department	February 2016	Variable
Forest Heath District Council (now part of West Suffolk Council)	February 2016	Variable
West Suffolk Council	February 2016	Variable
West outlook doutlet	1 Coldary 2010	Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry	· ·	
British Geological Survey - National Geoscience Information Service	December 2015	As notified
	Becomber 2010	7 to Hotilloa
BGS Recorded Mineral Sites	November 2022	Di Annually
British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
	May 2010	110t / tppilodbio
Potential for Collapsible Ground Stability Hazards	April 2020	As notified
British Geological Survey - National Geoscience Information Service	April 2020	AS notined
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
	22	
Potential for Running Sand Ground Stability Hazards	January 2010	Ac notified
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures		

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Data Currency

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	October 2022	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines		
National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services		
PointX	December 2022	Quarterly
Points of Interest - Education and Health		
PointX	December 2022	Quarterly
Points of Interest - Manufacturing and Production		
PointX	December 2022	Quarterly
Points of Interest - Public Infrastructure		
PointX	December 2022	Quarterly
Points of Interest - Recreational and Environmental		
PointX	December 2022	Quarterly
Underground Electrical Cables		
National Grid	May 2021	Bi-Annually

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Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt		
East Cambridgeshire District Council - Planning Department	July 2022	Quarterly
Forest Heath District Council (now part of West Suffolk Council)	July 2022	Quarterly
West Suffolk Council	July 2022	Quarterly
Areas of Unadopted Green Belt		
East Cambridgeshire District Council - Planning Department	July 2022	Quarterly
Forest Heath District Council (now part of West Suffolk Council)	July 2022	Quarterly
West Suffolk Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	February 2021	Bi-Annually
Marine Nature Reserves		
Natural England	July 2019	Bi-Annually
National Nature Reserves		
Natural England	January 2021	Bi-Annually
National Parks		
Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	June 2017	Bi-Annually
Ramsar Sites		
Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest		
Natural England	February 2021	Bi-Annually
Special Areas of Conservation		
Natural England	July 2020	Bi-Annually
Special Protection Areas		
Natural England	February 2021	Bi-Annually

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A selection of organisations who provide data within this report

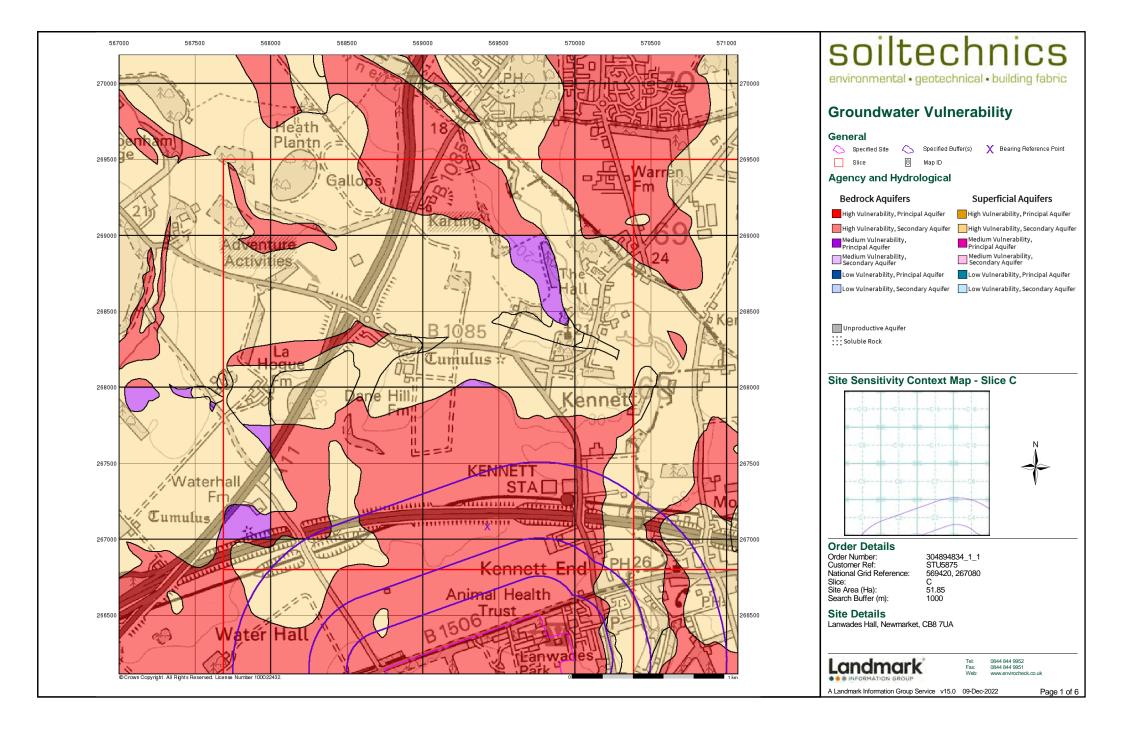
Data Supplier	Data Supplier Logo
Ordnance Survey	Mop data
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA Seutish Environment Protection Agency
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Natural Cyfffol Natural Resources Walles
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE 収込品
Natural England	NATURAL ENGLAND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	Stantec

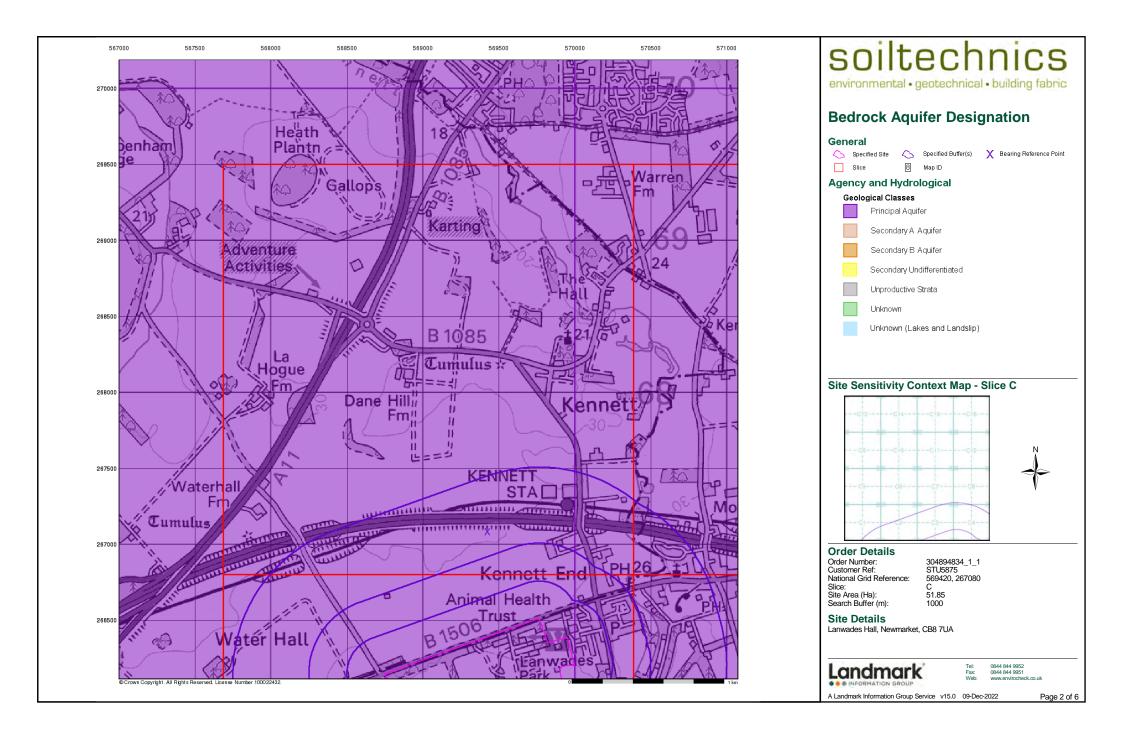


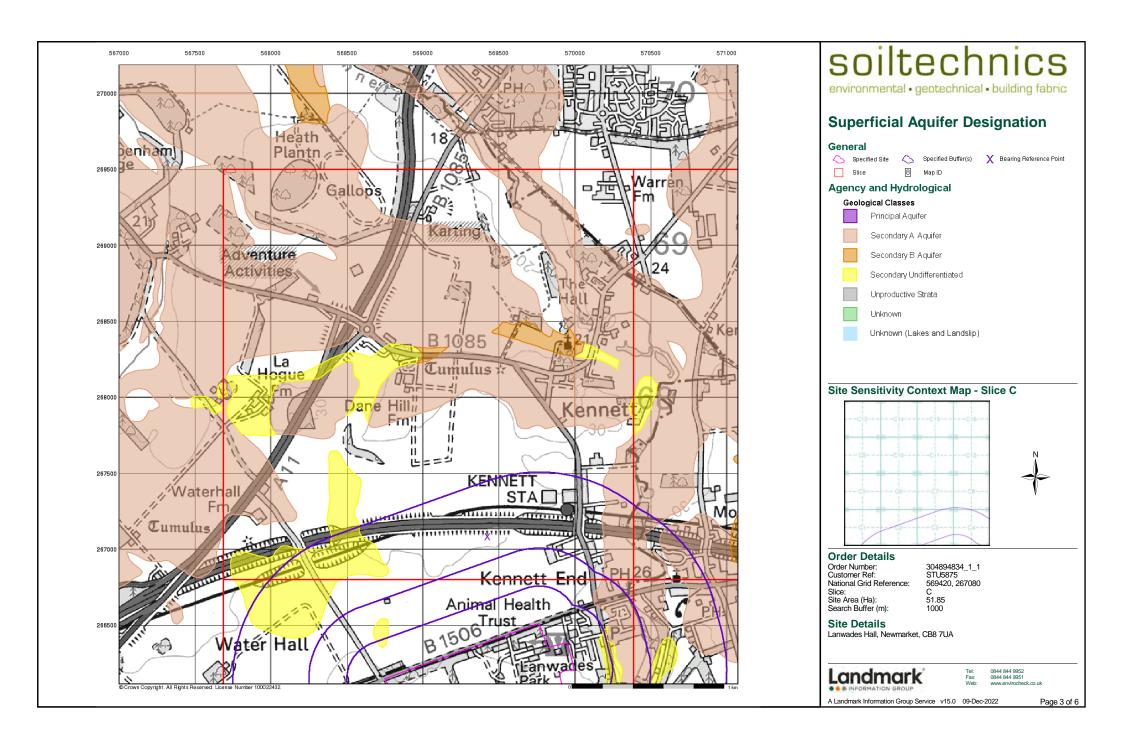
Useful Contacts

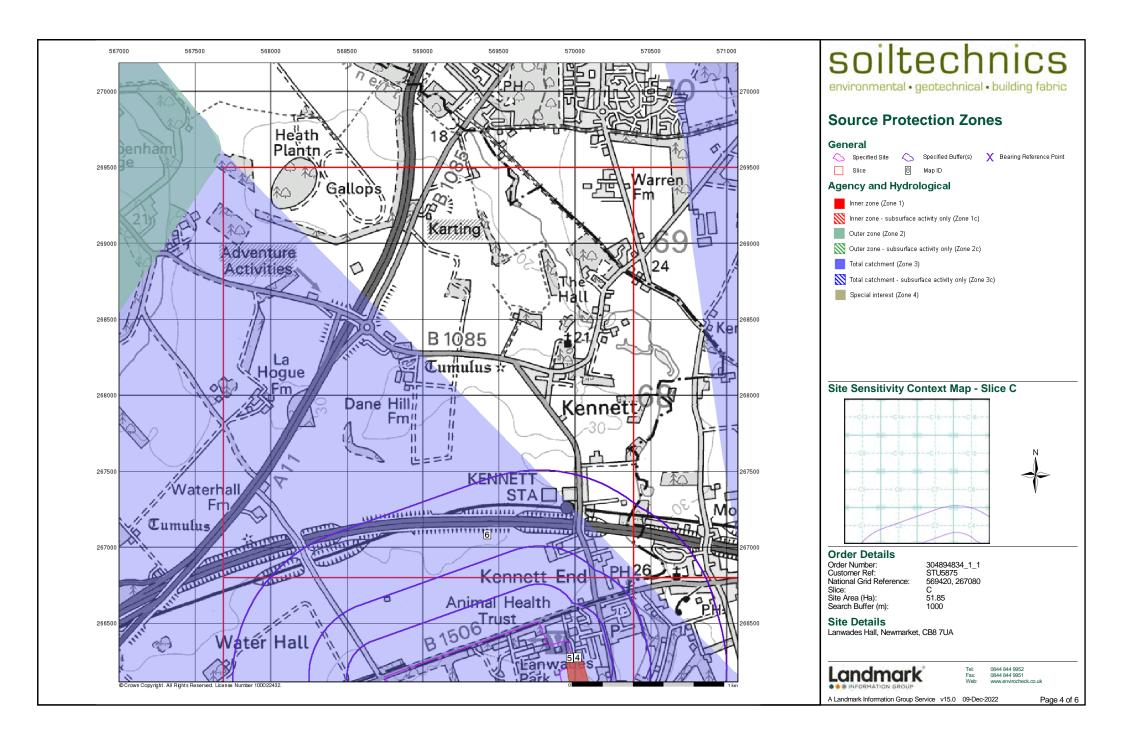
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	East Cambridgeshire District Council - Environmental Health Department	Telephone: 01353 665555 extn 284 Website: www.eastcambs.gov.uk
	The Grange, Nutholt Lane, Ely, Cambridgeshire, CB7 4PL	
3	Environment Agency - National Customer Contact Centre (NCCC)	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
	PO Box 544, Templeborough, Rotherham, S60 1BY	
4	Environment Agency - Head Office	Telephone: 01454 624400
	Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Fax: 01454 624409
5	Ordnance Survey	Telephone: 03456 05 05 05
	Adanac Drive, Southampton, Hampshire, SO16 0AS	Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Suffolk County Council	Telephone: 01473 583000
	St Edmund House, County Hall, Ipswich, Suffolk, IP4 1LZ	Fax: 01473 230240 Website: www.suffolkcc.gov.uk
7	Forest Heath District Council (now part of West Suffolk Council) - Environmental Health Department	Telephone: 01638 719000 Fax: 01638 716493 Website: www.forest-heath.gov.uk
	District Offices, College Heath Road, Mildenhall, Bury St Edmunds, Suffolk, IP28 7EY	Website. www.forest-fleatif.gov.uk
8	Cambridgeshire County Council	Telephone: 01223 717111
	Shire Hall, Castle Hill, Cambridge, Cambridgeshire, CB3 OAP	Fax: 01223 717201 Website: www.camcnty.gov.uk
9	PointX	Website: www.pointx.co.uk
	7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	
10	Natural England	Telephone: 0300 060 3900
	County Hall, Spetchley Road, Worcester, WR5 2NP	Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for	Telephone: 01235 822622
	Radiation, Chemical and Environmental Hazards	Fax: 01235 833891 Email: radon@phe.gov.uk
	Chilton, Didcot, Oxfordshire, OX11 0RQ	Website: www.ukradon.org
-	Landmark Information Group Limited	Telephone: 0844 844 9952 Fax: 0844 844 9951
	Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

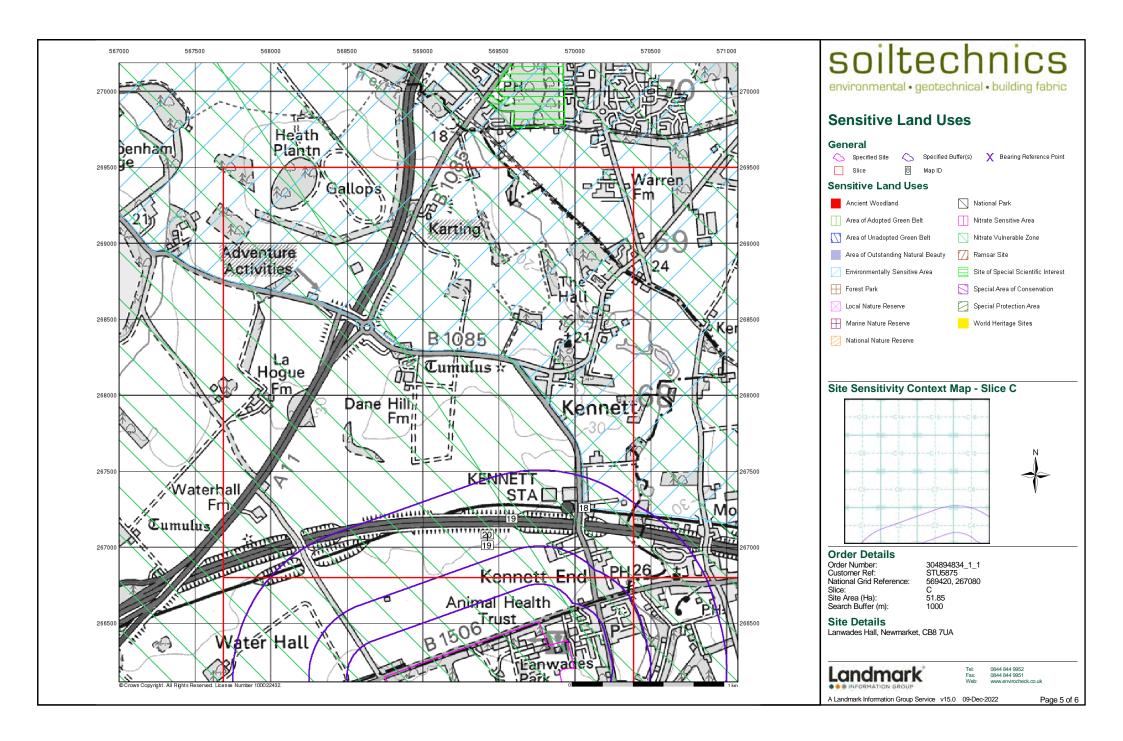
Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

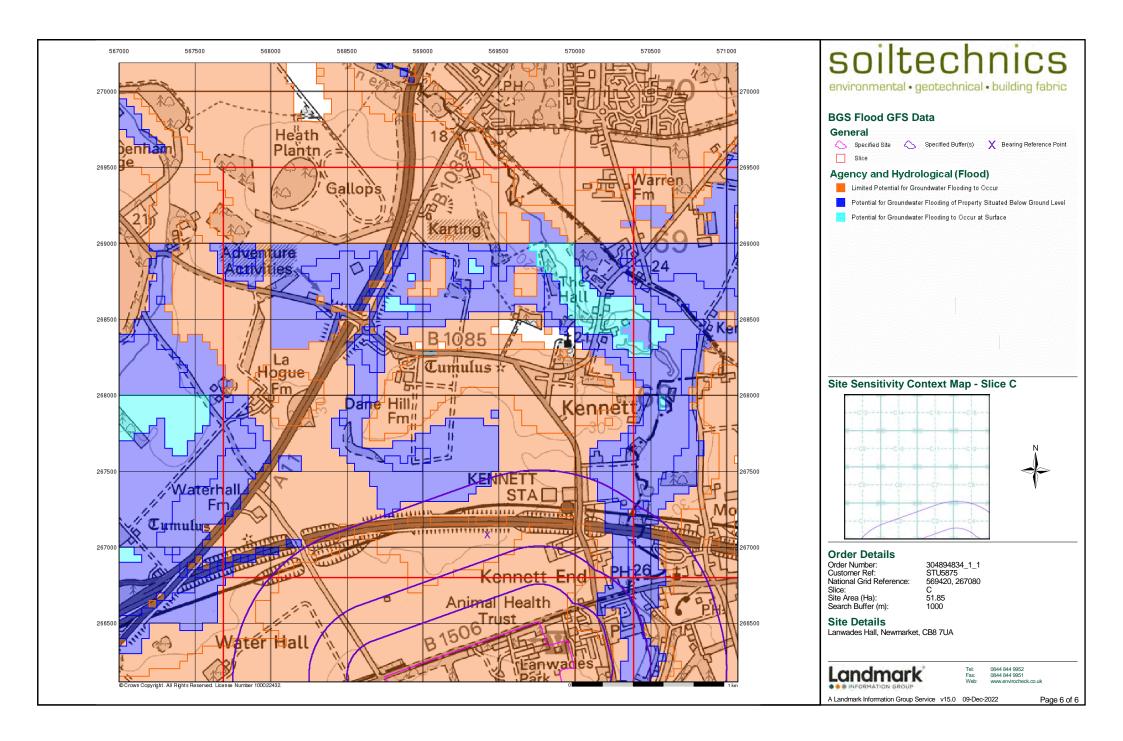












Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene
Z	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	LOFT	Lowestoft Formation	Clay and Silt	Not Supplied - Anglian
	LOFT	Lowestoft Formation	Diamicton	Not Supplied - Anglian
	LOFT	Lowestoft Formation	Sand and Gravel	Not Supplied - Anglian
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	RTD2	River Terrace Deposits, 2	Sand and Gravel	Not Supplied - Quaternary
	RTD4	River Terrace Deposits, 4	Sand and Gravel	Not Supplied - Quaternary
	RTD3	River Terrace Deposits, 3	Sand and Gravel	Not Supplied - Quaternary
	T2T3	River Terrace Deposits, 2 to 3	Sand and Gravel	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	HNCK	Holywell Nodular Chalk Formation and New Pit Chalk Formation (Undifferentiated)	Chalk	Not Supplied - Cenomanian

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Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

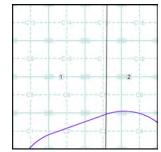
The various geological layers - artificial and landslip deposits, superficial

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	2	Map ID:	1
Map Sheet No:	189	Map Sheet No:	188
Map Name:	Bury St Edmund	Map Name:	Cambridge
Map Date:	1982	Map Date:	1981
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Not Available
Faults:	Not Supplied	Faults:	Not Supplied
Landslip:	Not Available	Landslip:	Not Available
Rock Segments:	Not Supplied	Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice C





Order Details:

Order Number: 304894834_1_1
Customer Reference: STUS875
National Grid Reference: 569420, 267080
Slice: C
Slice Area (Ha): 51.85
Search Buffer (m): 1000

Site Details:

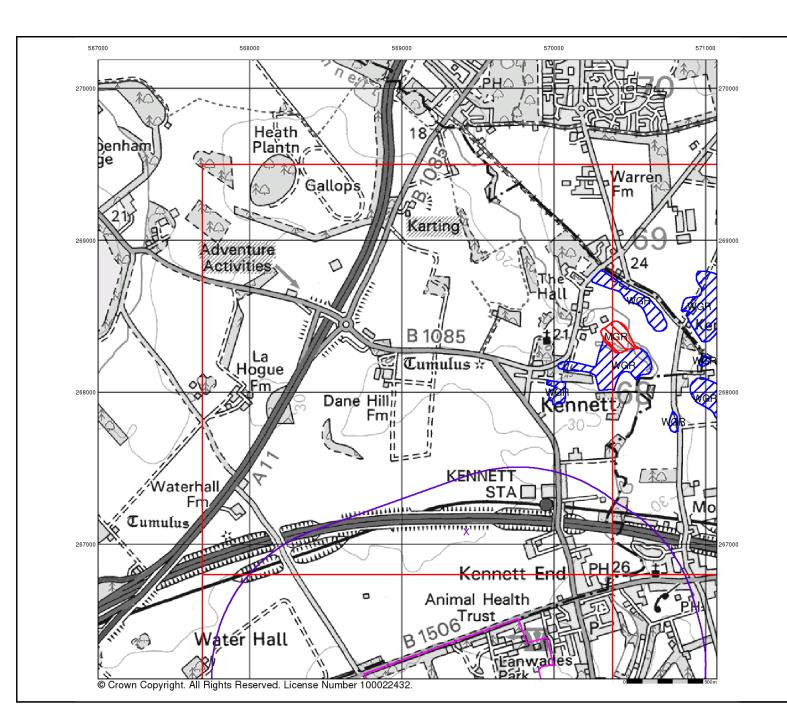
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Artificial Ground and Landslip

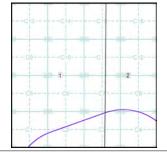
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.
 Worked ground - areas where the ground has been cut away such as
- Worked ground areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground areas where the surface has been reshaped.
 Disturbed ground areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice C





Order Details:

 Order Number:
 304894834_1_1

 Customer Reference:
 STU5875

 National Grid Reference:
 569420, 267080

 Slice:
 C

 Site Area (Ha):
 51.85

Site Area (Ha): 51.85 Search Buffer (m): 1000

Site Details:

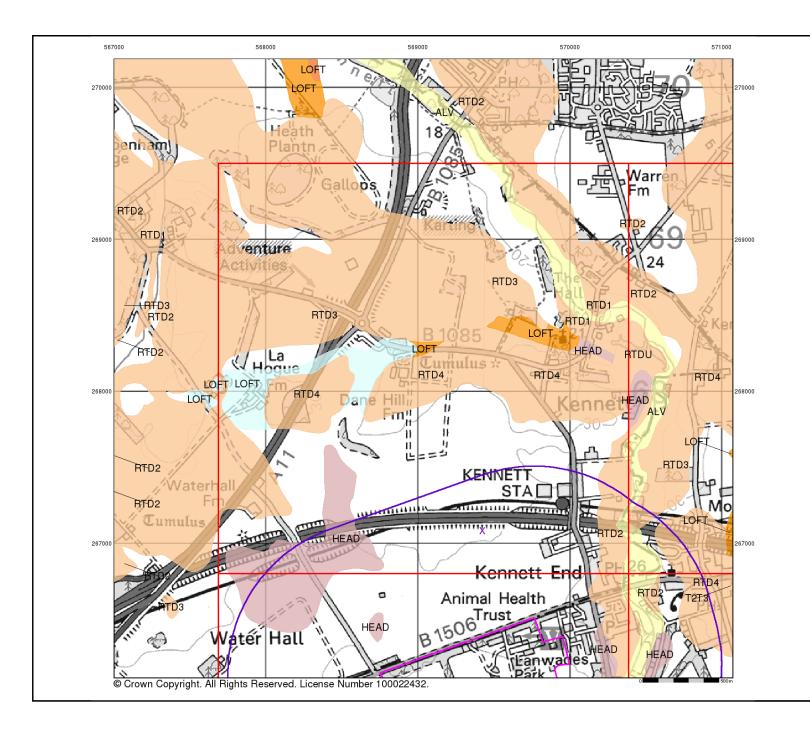
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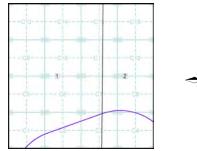
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice C



Order Details:

Order Number: 304894834_1_1
Customer Reference: STU5875
National Grid Reference: 569420, 267080
Slice: C
Site Area (Ha): 51.85

Site Area (Ha): 51.85 Search Buffer (m): 1000

Site Details:

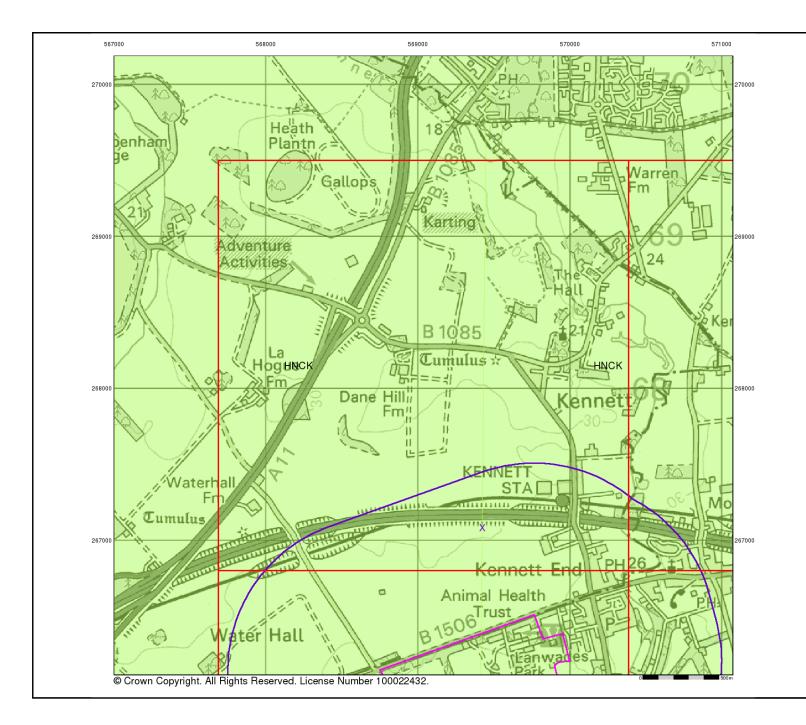
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Bedrock and Faults

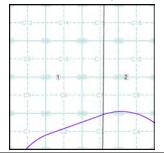
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice C





Order Details:

Order Number: 304894834_1_1
Customer Reference: STU5875
National Grid Reference: 569420, 267080
Slice: C
Site Area (Ha): 51.85

Site Area (Ha): 51.85 Search Buffer (m): 1000

Site Details:

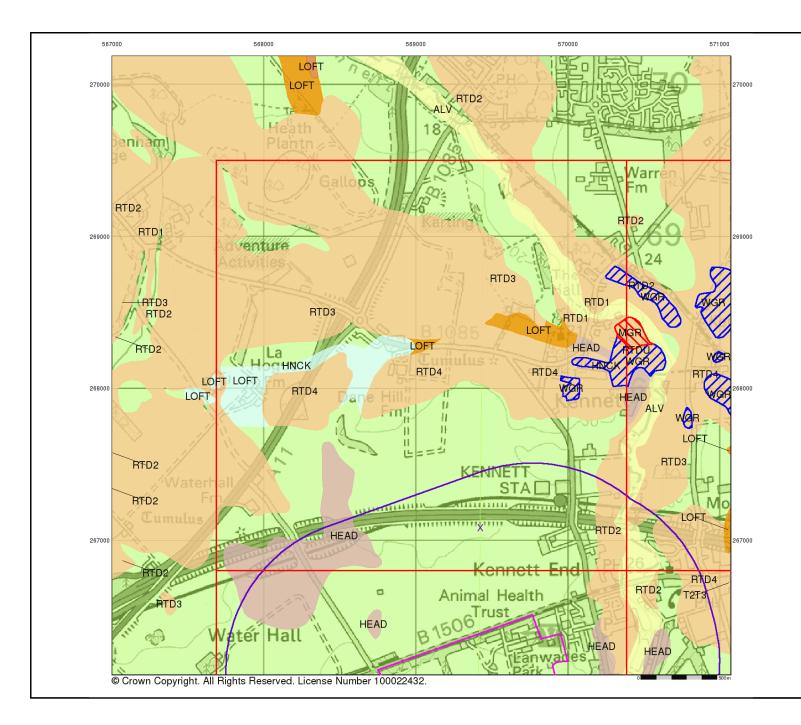
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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

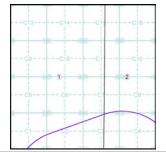
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS

Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

Combined Geology Map - Slice C



Order Details:

Order Number: Customer Reference: 304894834 1 1 STU5875 569420, 267080 National Grid Reference: C 51.85

Site Area (Ha): Search Buffer (m): 1000

Site Details:

Lanwades Hall, Newmarket, CB8 7UA



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Page 5 of 5

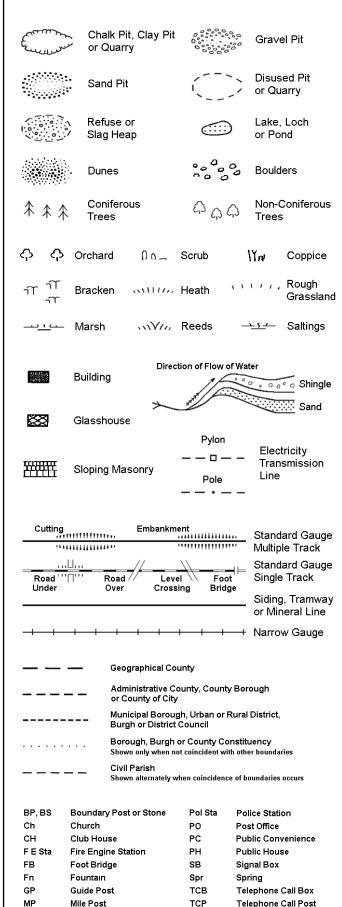
Historical Mapping Legends

Other Gravel Orchard Mixed Wood Deciduous Brushwood Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Site of Antiquities Bench Mark Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** ·285 Surface Level Sketched Instrumental Contour Contour Fenced Main Roads Minor Roads Un-Fenced Sunken Road Raised Road Railway over Road over Ri∨er Railway Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Co. Burgh Bdy. Rural District Boundary RD. Bdy.

Civil Parish Boundary

Ordnance Survey County Series 1:10,560

Ordnance Survey Plan 1:10,000



1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock	3 3	Rock (scattered)
	Boulders	0 0	Boulders (scattered)
	Shingle	Mud	Mud
Sand	Sand		Sand Pit
11111111	Slopes		Top of cliff
	General detail		Underground detail
	- Overhead detail		Narrow gauge
	Multi-track railway		railway Single track railway
	County boundary (England only)	• • • • • •	Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
۵ ^۵ **	Area of wooded vegetation	۵۵ ۵۵	Non-coniferous trees
\Box	Non-coniferous	**	Coniferous
\Diamond	trees (scattered)	**	trees
* *	trees (scattered) Coniferous trees (scattered)	<u></u>	trees Positioned tree
*	Coniferous	**	Positioned
÷ ;	Coniferous trees (scattered)	Ğ Ğ	Positioned tree
\$ \$ \$ \$ \$ \$ \$ \$	Coniferous trees (scattered) Orchard Rough	£	Positioned tree Coppice or Osiers
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Coniferous trees (scattered) Orchard Rough Grassland	A A A A A A A A A A A A A A A A A A A	Positioned tree Coppice or Osiers Heath
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Coniferous trees (scattered) Orchard Rough Grassland Scrub	A A A A A A A A A A A A A A A A A A A	Positioned tree Coppice or Osiers Heath Marsh, Salt Marsh or Reeds
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Coniferous trees (scattered) Orchard Rough Grassland Scrub Water feature Mean high	\$ \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Positioned tree Coppice or Osiers Heath Marsh, Salt Marsh or Reeds Flow arrows Mean low
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Coniferous trees (scattered) Orchard Rough Grassland Scrub Water feature Mean high water (springs) Telephone line	\$ \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Positioned tree Coppice or Osiers Heath Marsh, Salt Marsh or Reeds Flow arrows Mean low water (springs) Electricity transmission line
↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	Coniferous trees (scattered) Orchard Rough Grassland Scrub Water feature Mean high water (springs) Telephone line (where shown) Bench mark	∴	Positioned tree Coppice or Osiers Heath Marsh, Salt Marsh or Reeds Flow arrows Mean low water (springs) Electricity transmission line (with poles) Triangulation
↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	Coniferous trees (scattered) Orchard Rough Grassland Scrub Water feature Mean high water (springs) Telephone line (where shown) Bench mark (where shown) Point feature (e.g. Guide Post	# # #	Positioned tree Coppice or Osiers Heath Marsh, Salt Marsh or Reeds Flow arrows Mean low water (springs) Electricity transmission line (with poles) Triangulation station Pylon, flare stack

General Building

Building

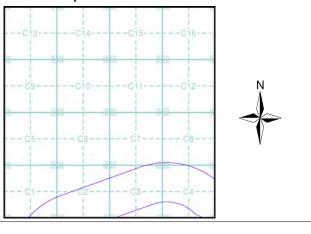
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cambridgeshire & Isle Of Ely	1:10,560	1884	2
Suffolk	1:10,560	1884	3
Cambridgeshire & Isle Of Ely	1:10,560	1903	4
Cambridgeshire & Isle Of Ely	1:10,560	1927	5
Cambridgeshire & Isle Of Ely	1:10,560	1952	6
Ordnance Survey Plan	1:10,000	1958	7
Ordnance Survey Plan	1:10,000	1972	8
Ordnance Survey Plan	1:10,000	1983	9
Ordnance Survey Plan	1:10,000	1990	10
10K Raster Mapping	1:10,000	2000	11
10K Raster Mapping	1:10,000	2006	12
VectorMap Local	1:10,000	2022	13

Historical Map - Slice C



Order Details

Order Number: 304894834_1_1
Customer Ref: STU5875
National Grid Reference: 569420, 267080
Slice: C

Slice: Site Area

Site Area (Ha): 51.85 Search Buffer (m): 1000

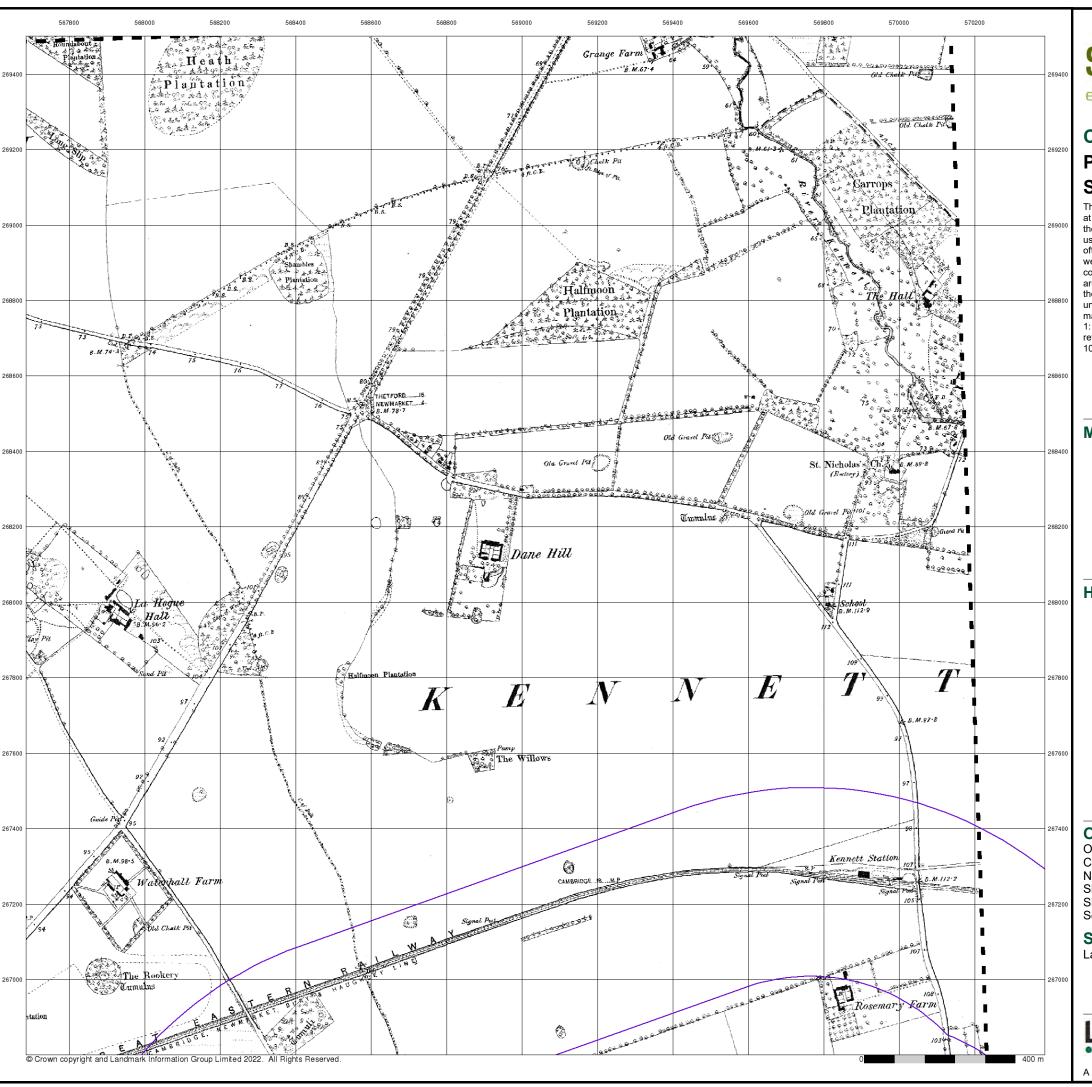
Site Details

Lanwades Hall, Newmarket, CB8 7UA



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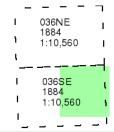


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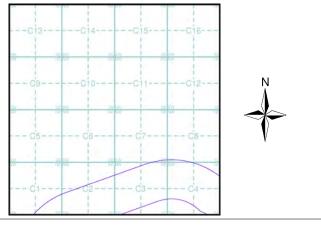
Cambridgeshire & Isle Of Ely Published 1884 Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice C



Order Details

Order Number: 304894834_1_1
Customer Ref: STU5875
National Grid Reference: 569420, 267080
Slice: C

Site Area (Ha): 51.85 Search Buffer (m): 1000

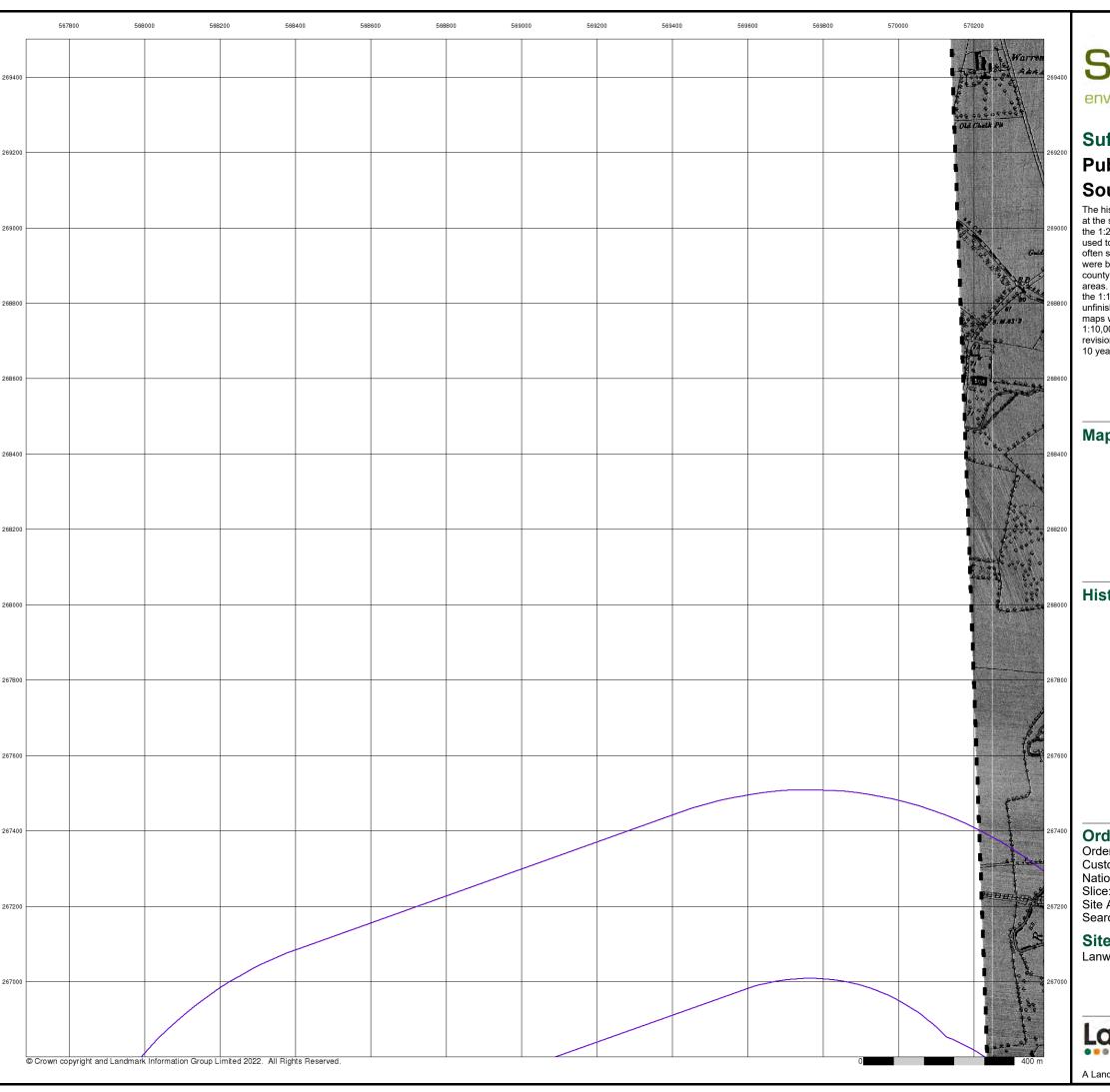
Site Details

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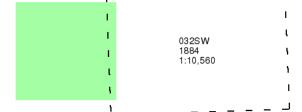
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Suffolk

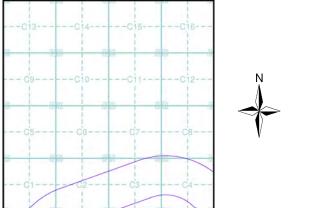
Published 1884 Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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Historical Map - Slice C



Order Details

Order Number: 304894834_1_1 Customer Ref: STU5875 National Grid Reference: 569420, 267080 Slice:

Site Area (Ha): Search Buffer (m):

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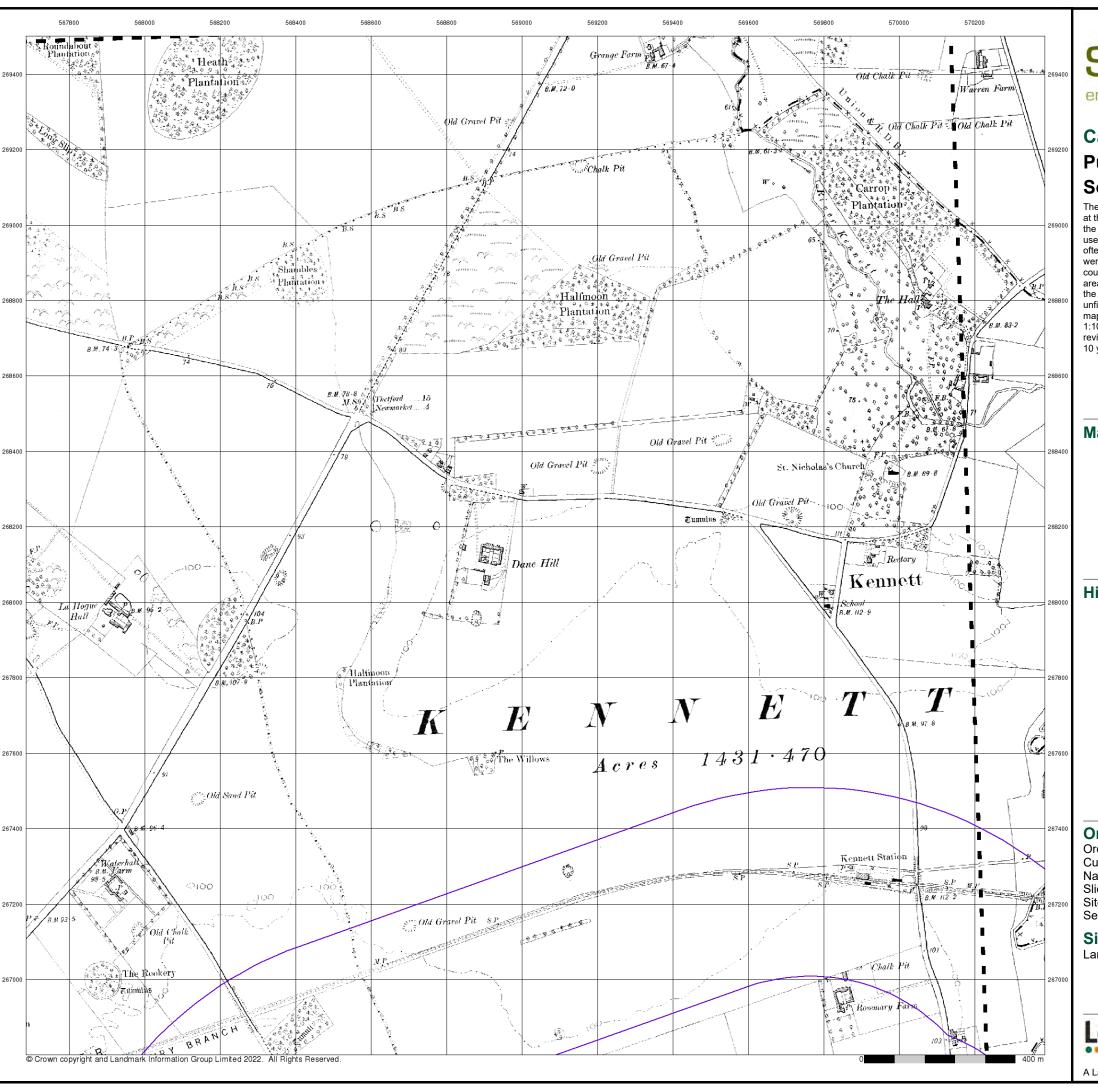
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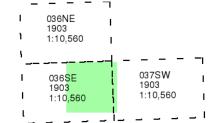


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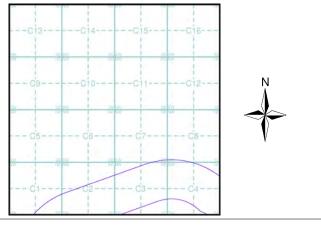
Cambridgeshire & Isle Of Ely Published 1903 Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice C



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304894834_1_1 Order Number: **Customer Ref:** STU5875 National Grid Reference: 569420, 267080 Slice:

Site Area (Ha): 51.85 Search Buffer (m):

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