

Envirocheck[®] LANDMARK INFORMATION GROUP[®]

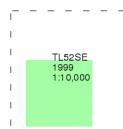
10k Raster Mapping

Published 1999

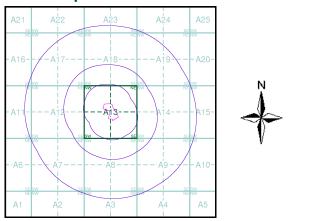
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

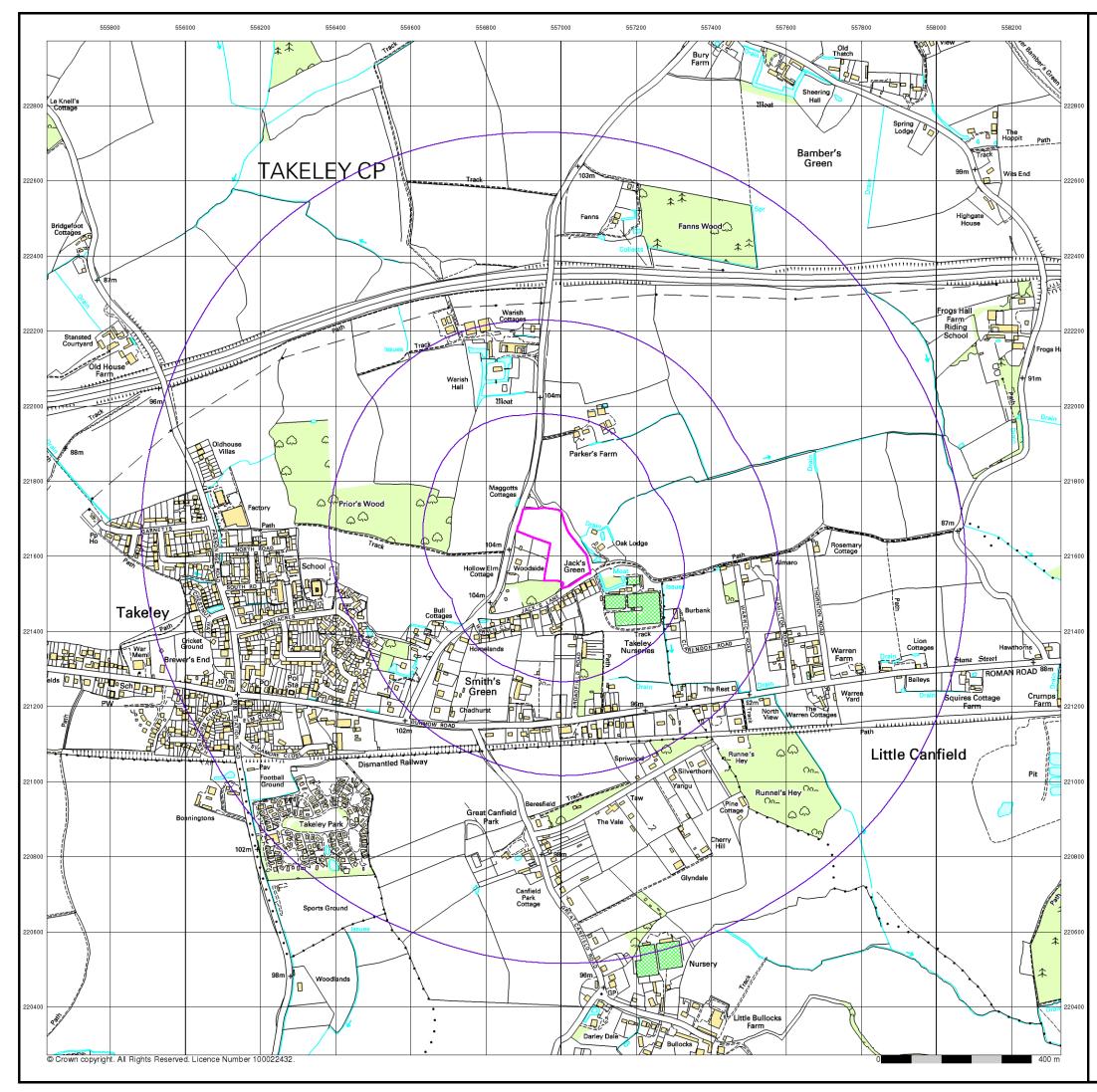
Order Number: Customer Ref: National Grid Reference: 556980, 221630 Slice: Site Area (Ha): Search Buffer (m):

271774066_1_1 CON01-WARI-070 (Jacks) А 2.1 1000

Site Details

Jacks, Takeley, BISHOP'S STORTFORD, CM22 6NT





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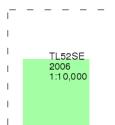
10k Raster Mapping

Published 2006

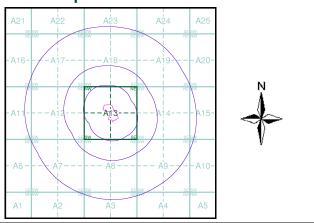
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

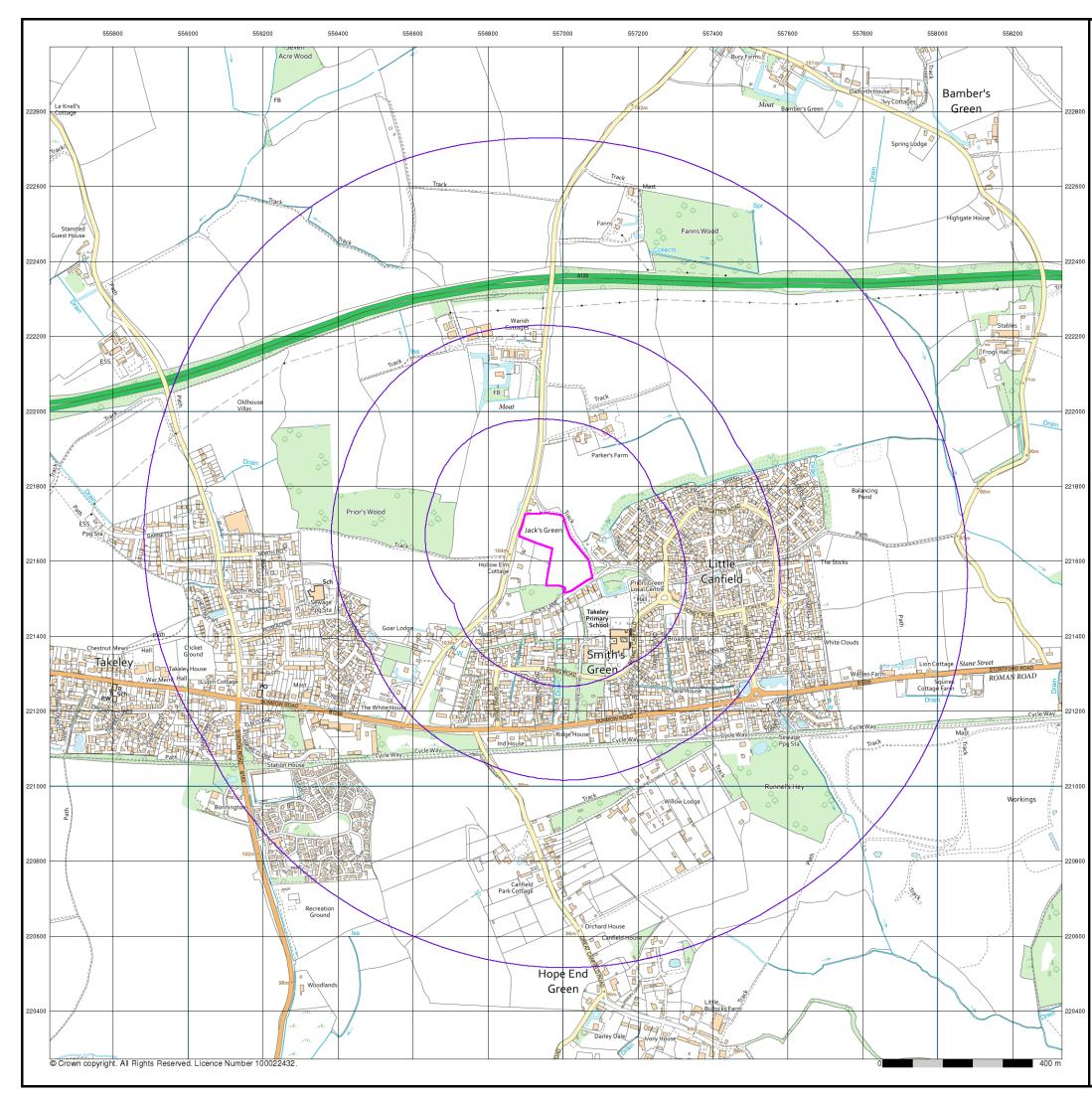
Order Number: Customer Ref: National Grid Reference: 556980, 221630 Slice: Site Area (Ha): Search Buffer (m):

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VectorMap Local

Published 2020

Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).





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D. ENVIROCHECK DATA – ENVIRONMENTAL SETTING



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Geology 1:50,000 Maps Legends

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	Diamicton	Not Supplied - Anglian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian
	KGCA	Kesgrave Catchment Subgroup	Sand and Gravel	Not Supplied - Pleistocene
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay, Silt and Sand	Not Supplied - Ypresian

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Geology 1:50,000 Maps

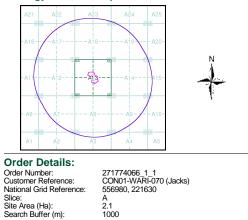
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

0000099 1100	,000 mape
Map ID:	1
Map Sheet No:	222
Map Name:	Great Dunmow
Map Date:	1990
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Not Available
Rock Segments:	Not Supplied

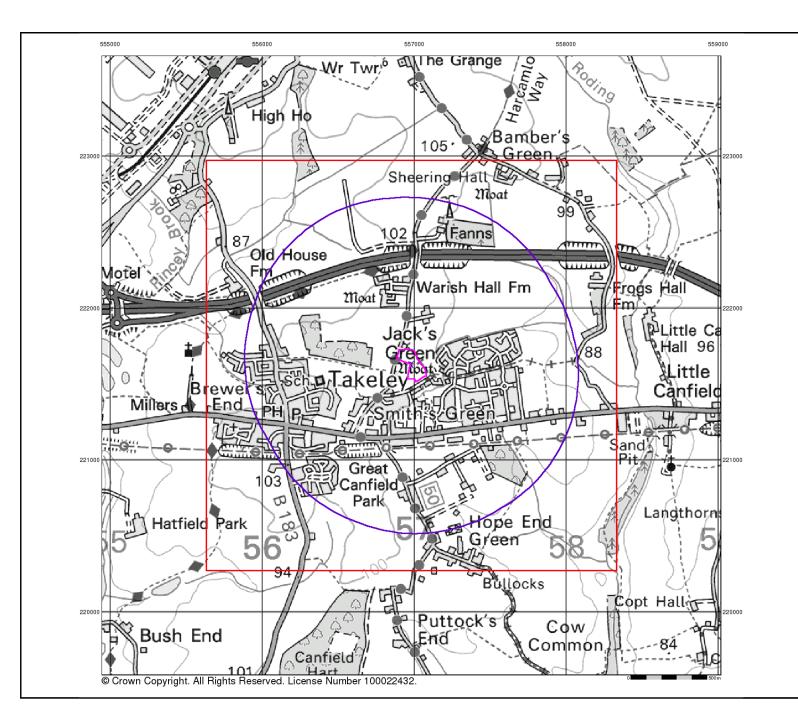
Geology 1:50,000 Maps - Slice A



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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.

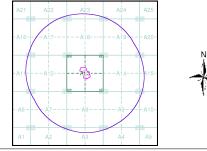
Artificial ground includes:

- 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
- 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





Order Details:

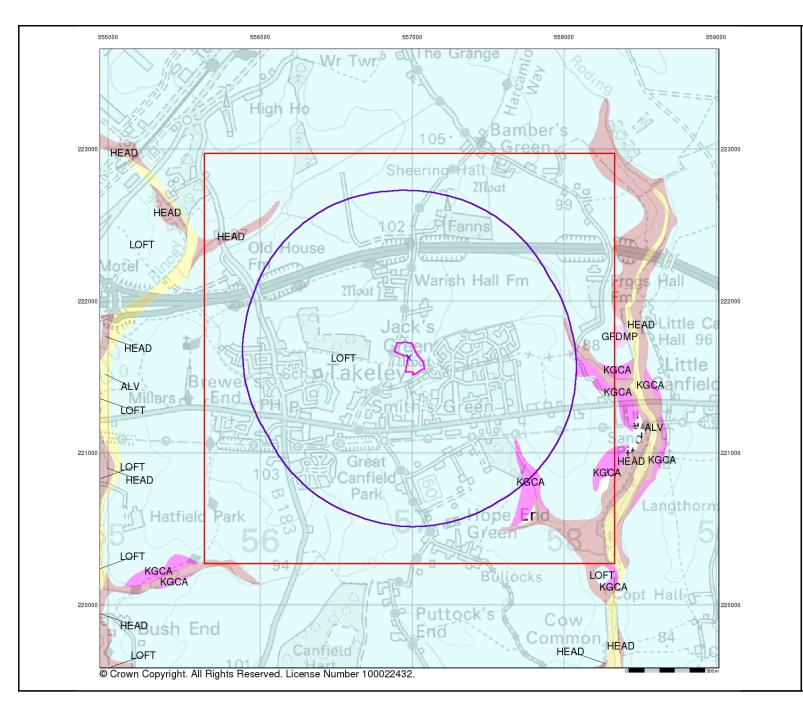
271774066_1_1 CON01-WARI-070 (Jacks) Order Number: Customer Reference: National Grid Reference: Slice:

556980, 221630 2.1 1000

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

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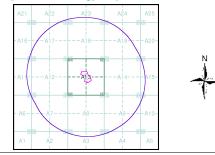
Superficial Geology

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.





Order Details:

271774066_1_1 CON01-WARI-070 (Jacks) Order Number: Customer Reference: National Grid Reference: 556980, 221630 Site Area (Ha): Search Buffer (m):

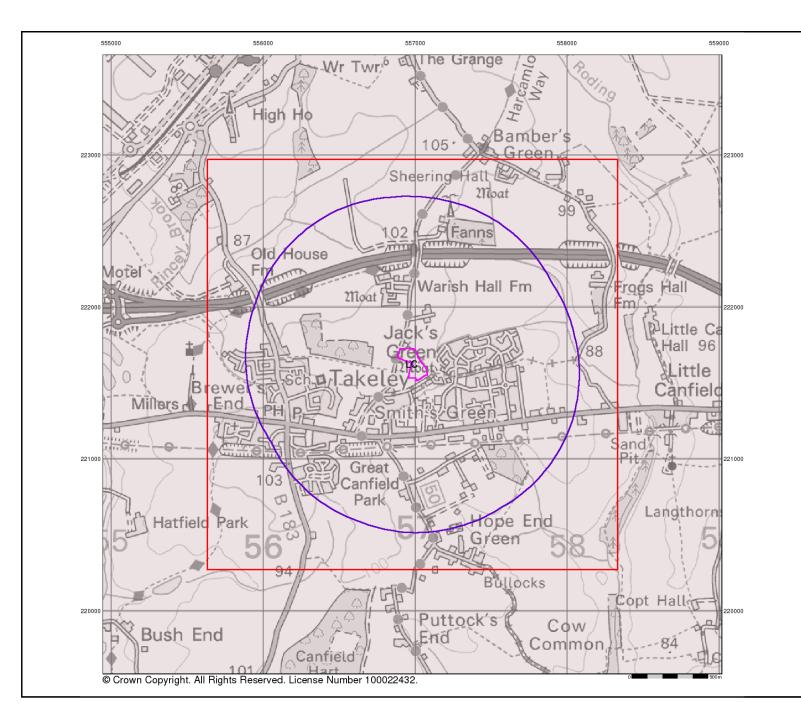
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Site Details:

Slice:

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Bedrock and Faults

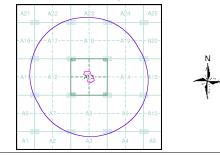
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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.





Order Details:

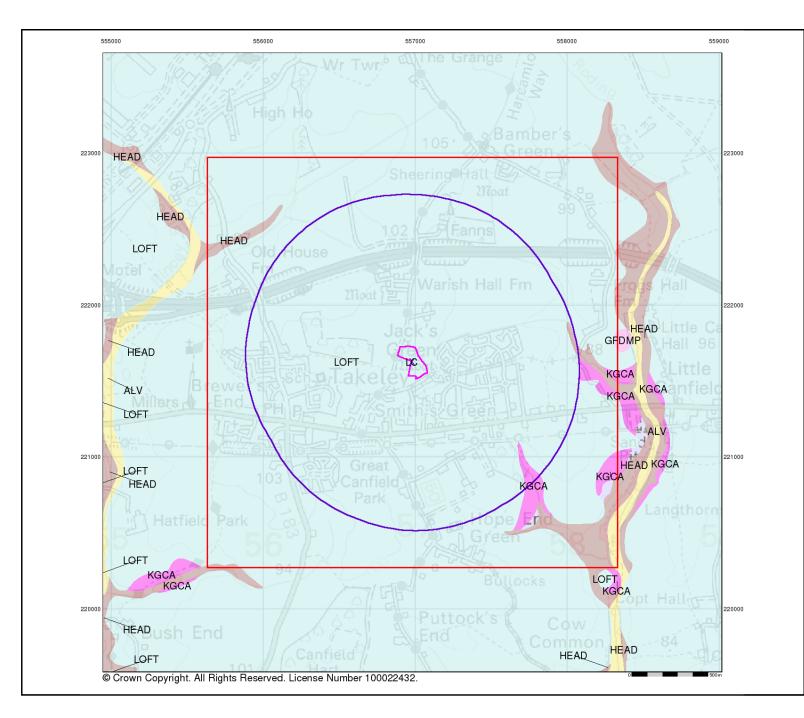
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Site Details:

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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.

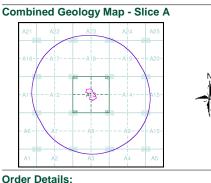
Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BCS 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 website.

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



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 271774066_1_1

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 CON01-WARI-070 (Jacks)

 National Grid Reference:
 556980, 221630

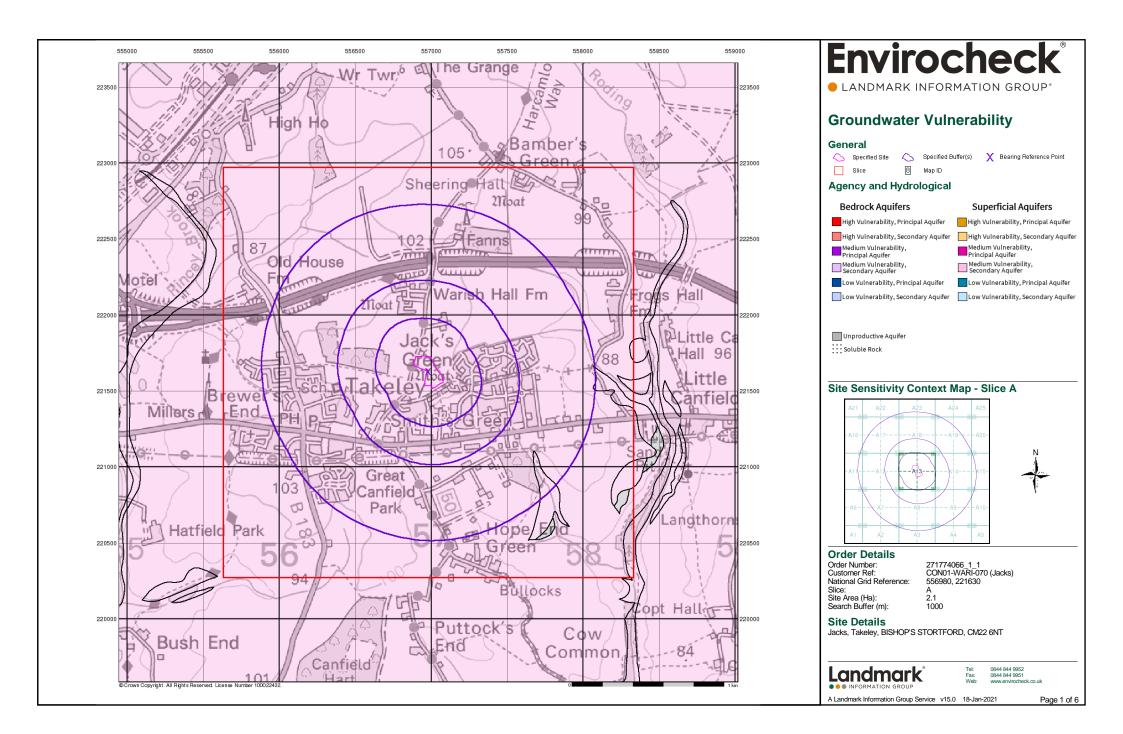
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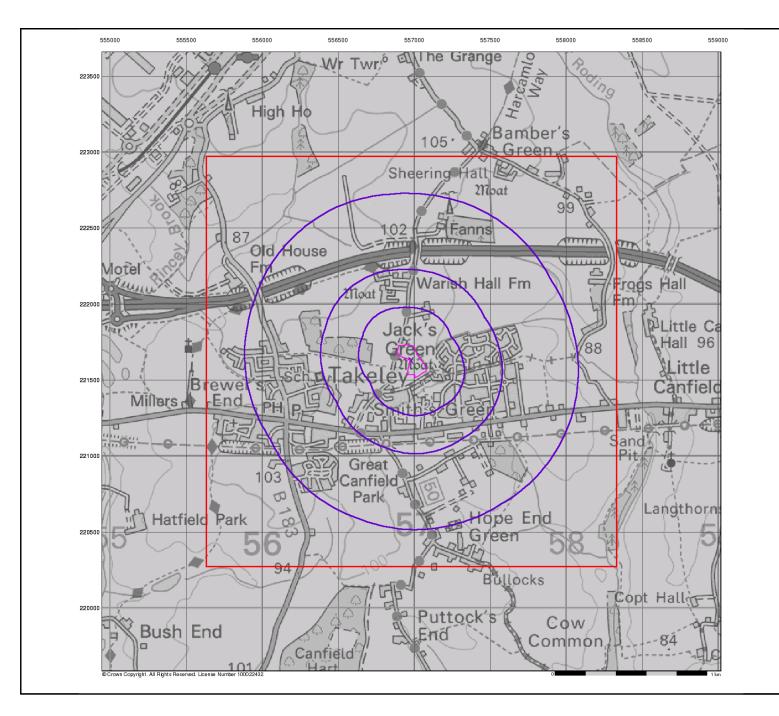
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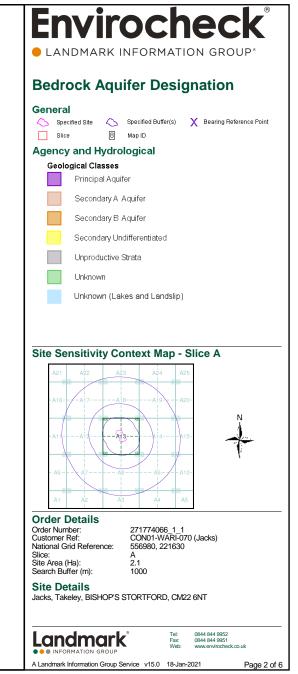
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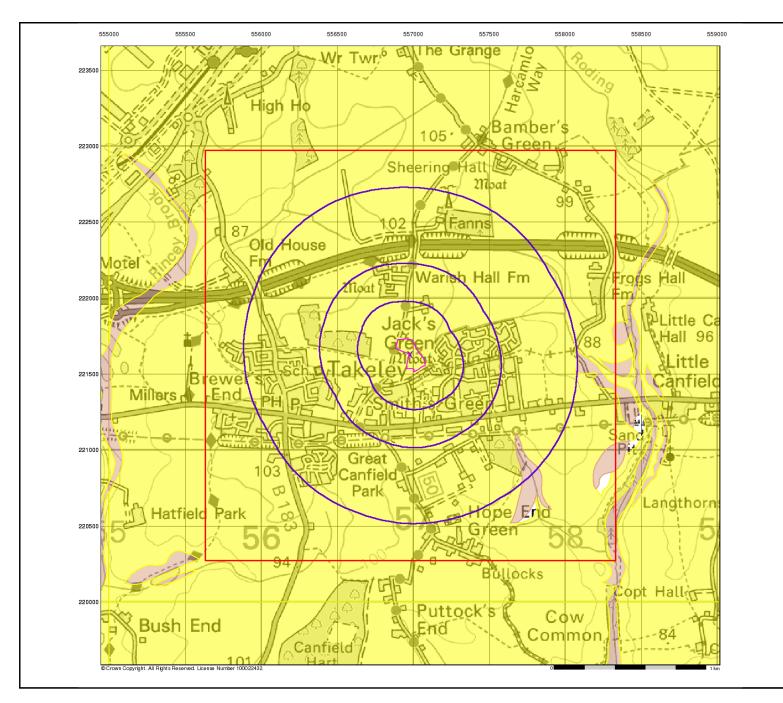
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 Jacks, Takeley, BISHOP'S STORTFORD, CM22 6NT

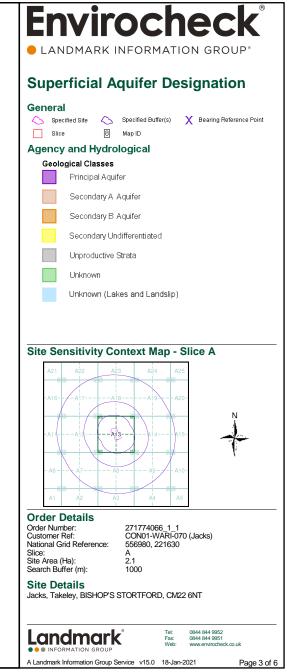
V15.0 18-Jan-2021

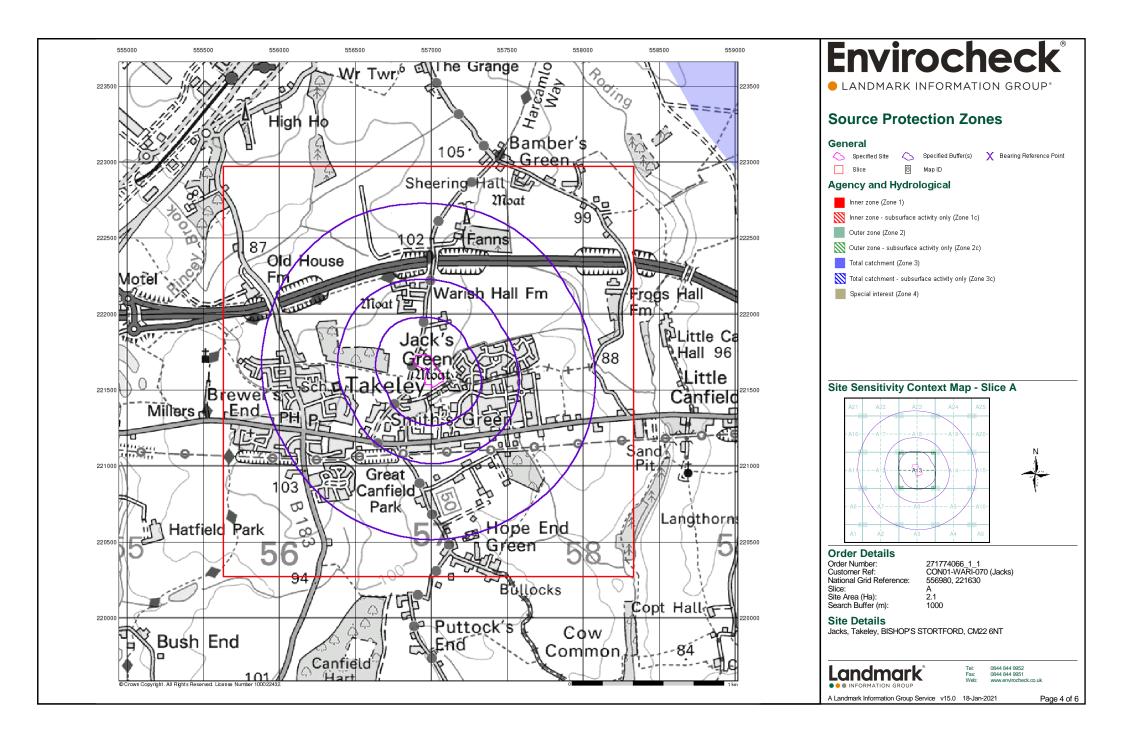


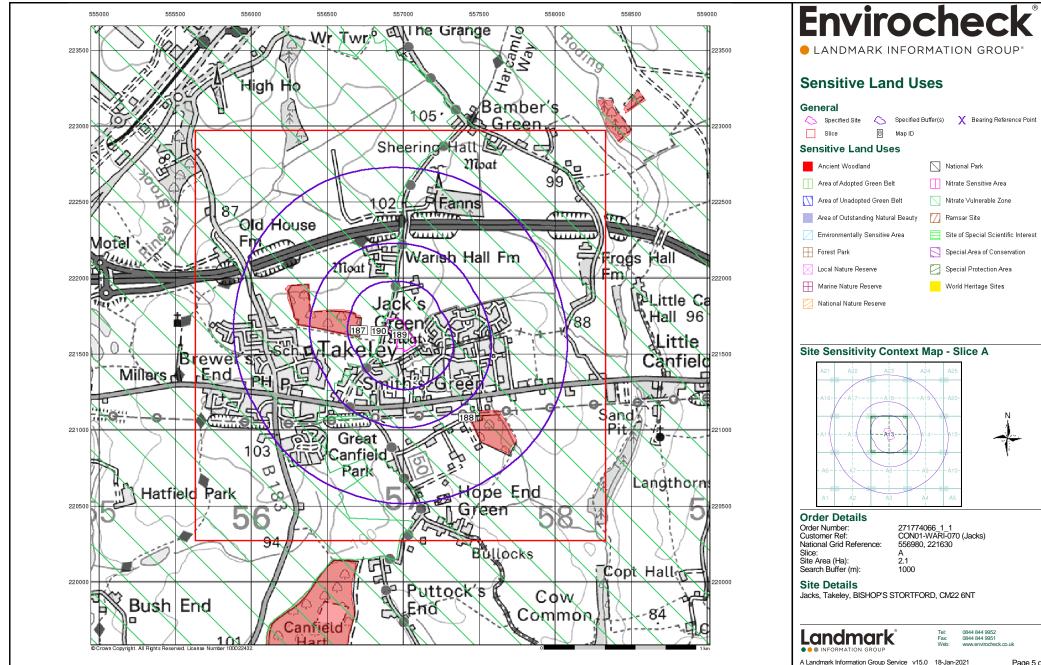




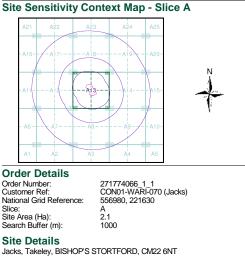








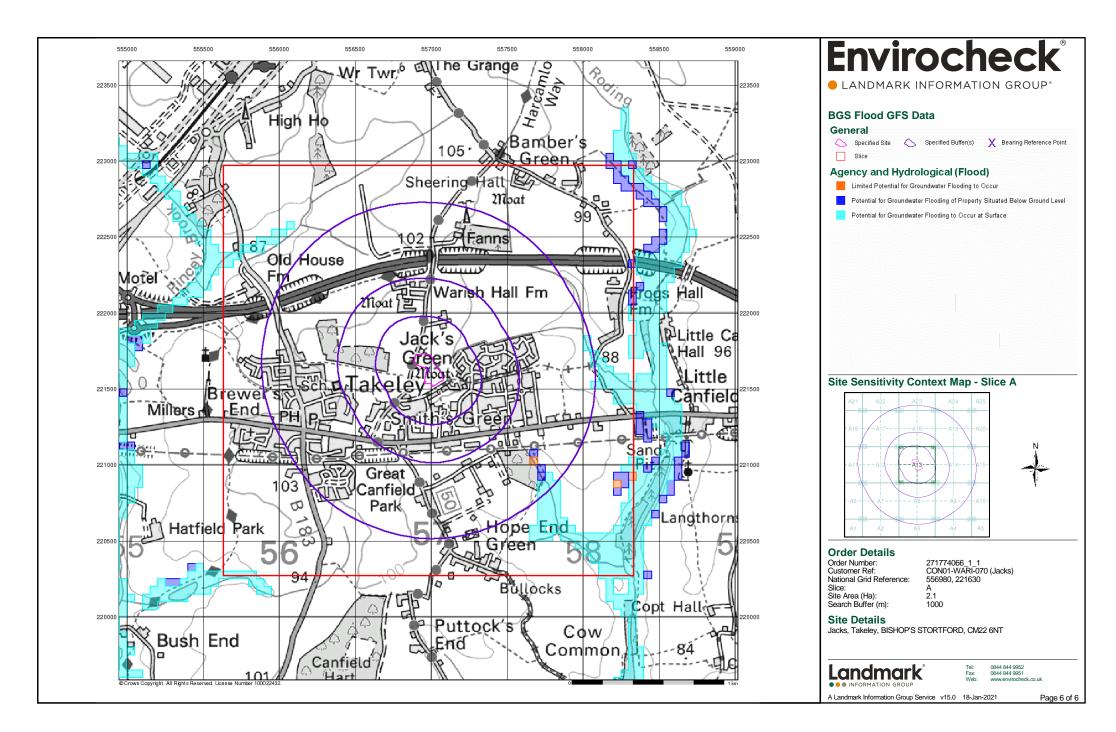


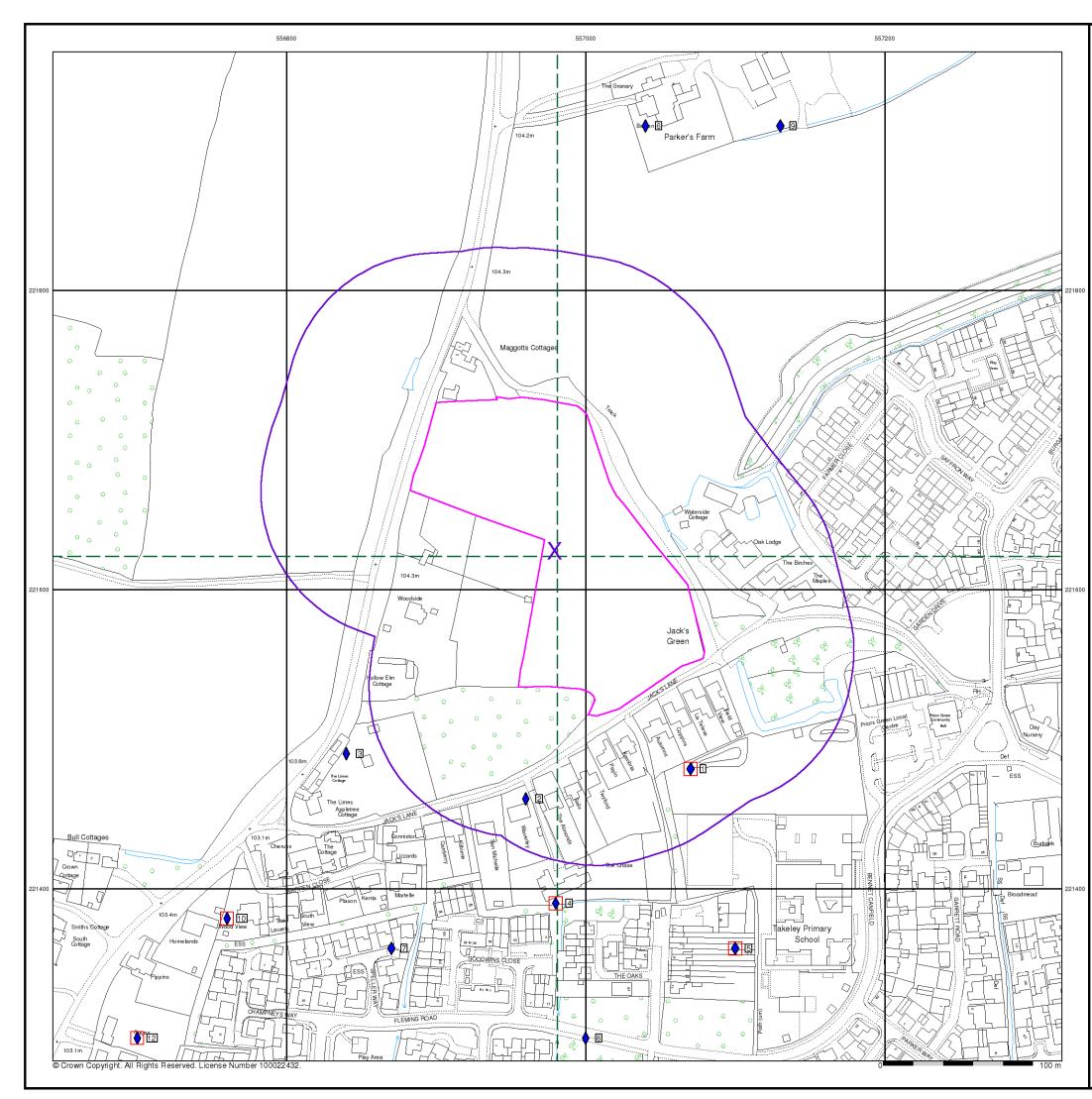


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Tel: Fax:



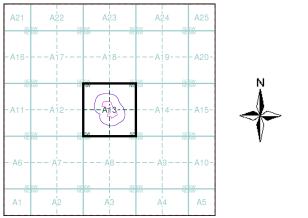


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General



Site Sensitivity Map - Segment A13



Order Details

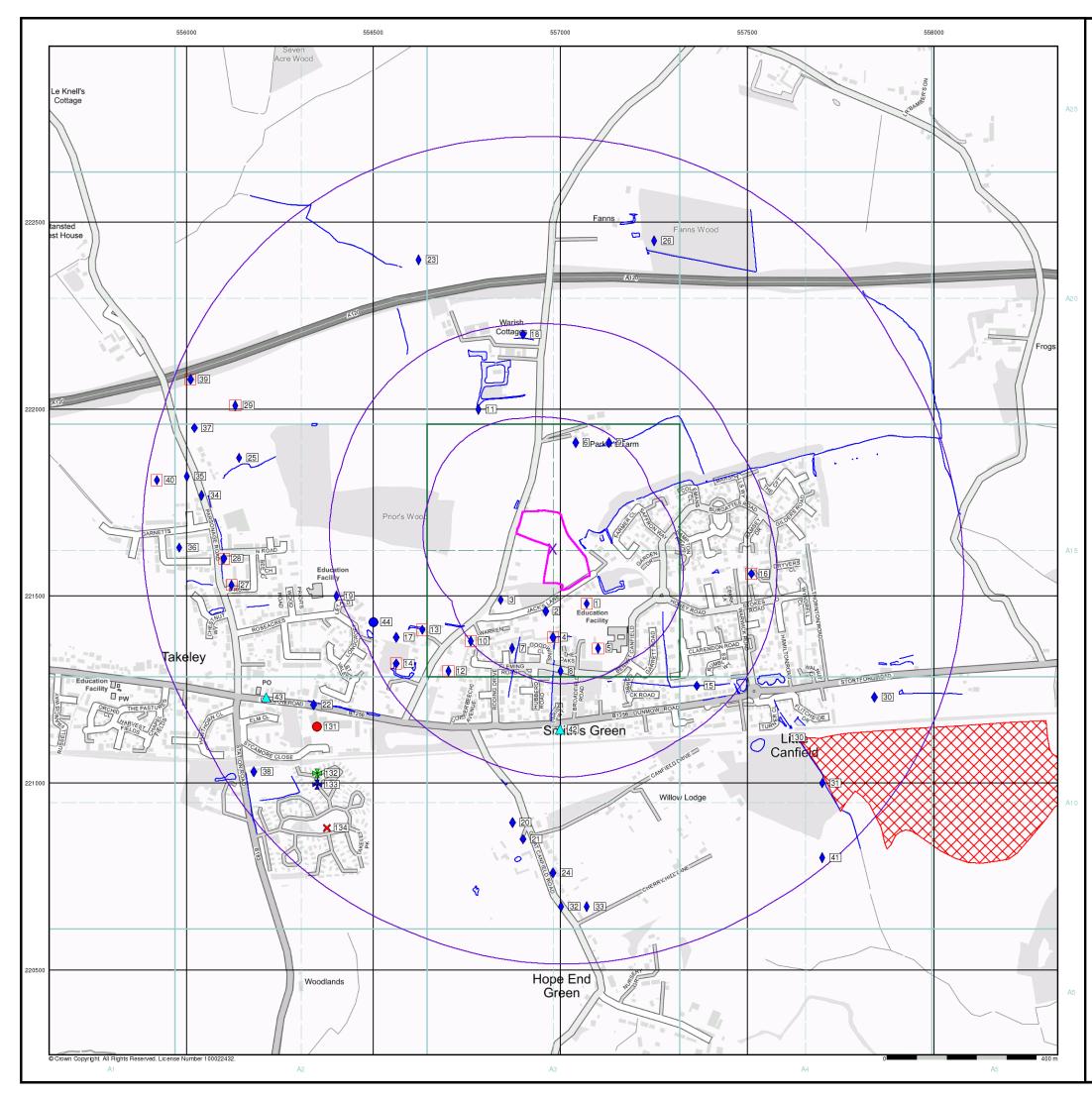
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Plot Buffer (m):	100
Site Area (Ha):	2.1
Slice:	A
National Grid Reference:	556980, 221630
Customer Ref:	CON01-WARI-070 (Jacks)
Order Number:	271774066_1_1

Jacks, Takeley, BISHOP'S STORTFORD, CM22 6NT



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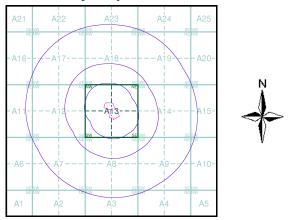
A Landmark Information Group Service v50.0 18-Jan-2021 Page 1 of 1



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Site Sensitivity Map - Slice A



Order Details

Order Number:
Customer Ref:
National Grid Reference
Slice:
Site Area (Ha):
Search Buffer (m):

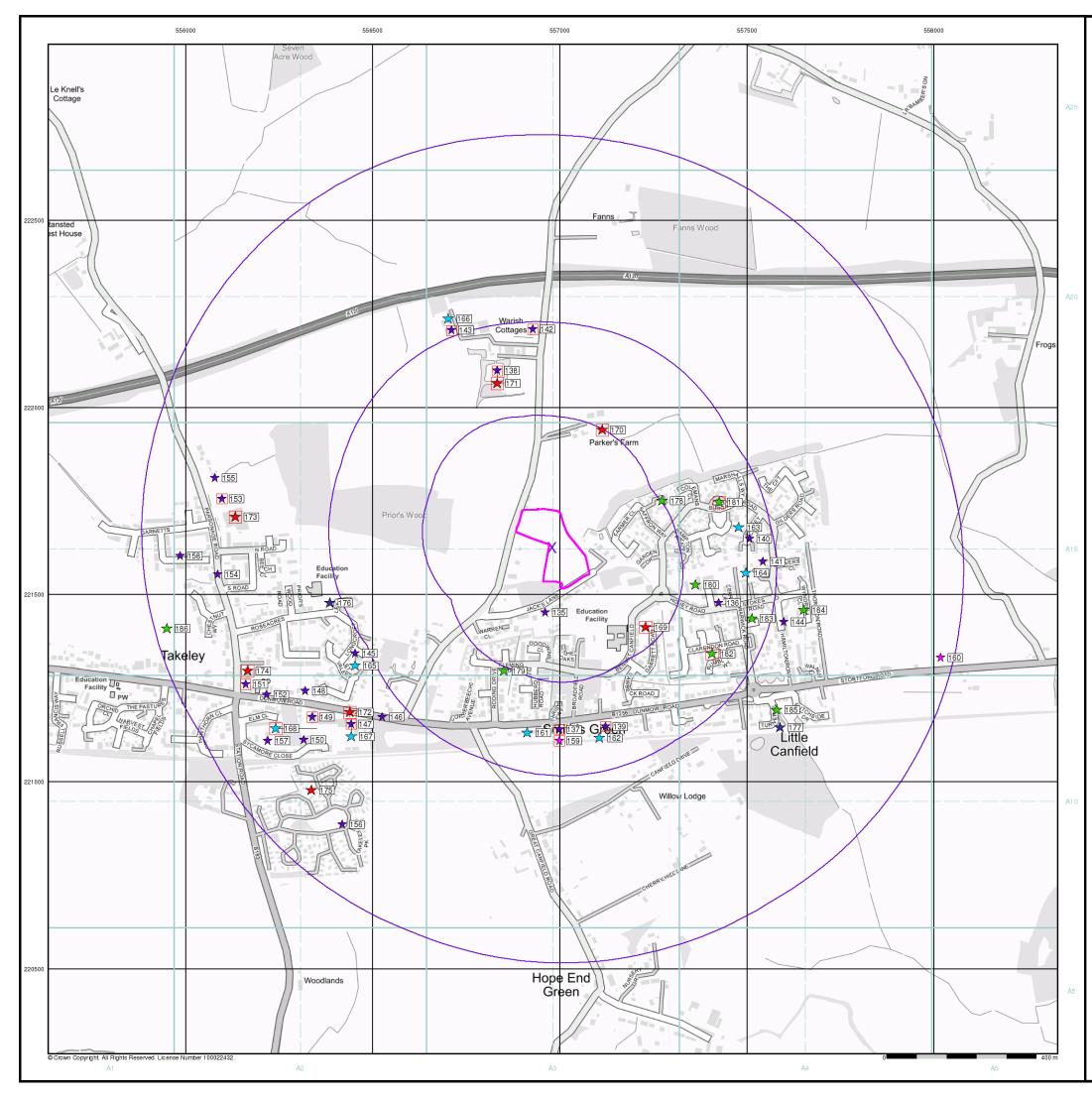
271774066_1_1 CON01-WARI-070 (Jacks) e: 556980, 221630 А 2.1 1000

Site Details

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Tel: Fax: Web:



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Industrial Land Use Map

General



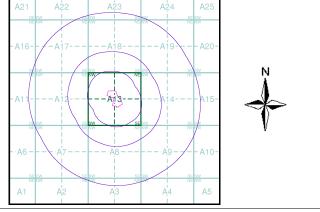
8 Map ID

Specified Site
Specified Buffer(s)
Specified Buffer(s)

Industrial Land Use

- ★ Contemporary Trade Directory Entry
- 🛧 Fuel Station Entry
- 👆 Gas Pipeline
- 🔆 Points of Interest Commercial Services
- 🖕 Points of Interest Education and Health
- ★ Points of Interest Manufacturing and Production
- 🚖 Points of Interest Public Infrastructure
- 🚖 Points of Interest Recreational and Environmental
- 🛰 Underground Electrical Cables





Order Details

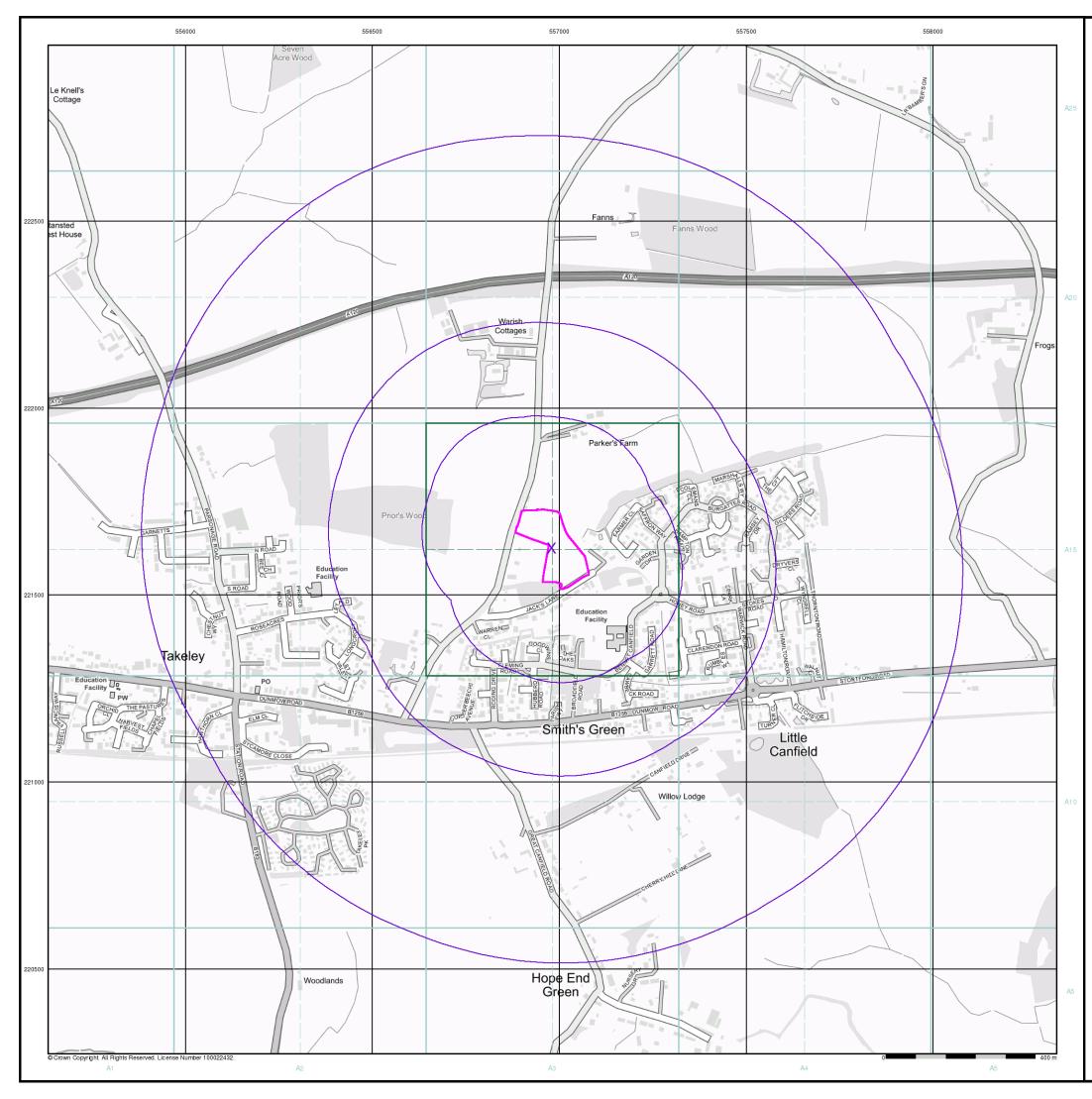
271774066_1_1 CON01-WARI-070 (Jacks) Order Number: Customer Ref: National Grid Reference: 556980, 221630 Slice: А Site Area (Ha): 2.1 Search Buffer (m): 1000

Site Details

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General

🔼 Specified Site

- C Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

Extreme Flooding from Rivers or Sea without Defences (Zone 2)

Flooding from Rivers or Sea without Defences (Zone 3)

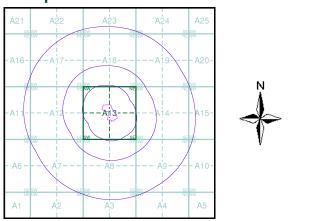
Area Benefiting from Flood Defence



Flood Water Storage Areas

--- Flood Defence

Flood Map - Slice A



Order Details

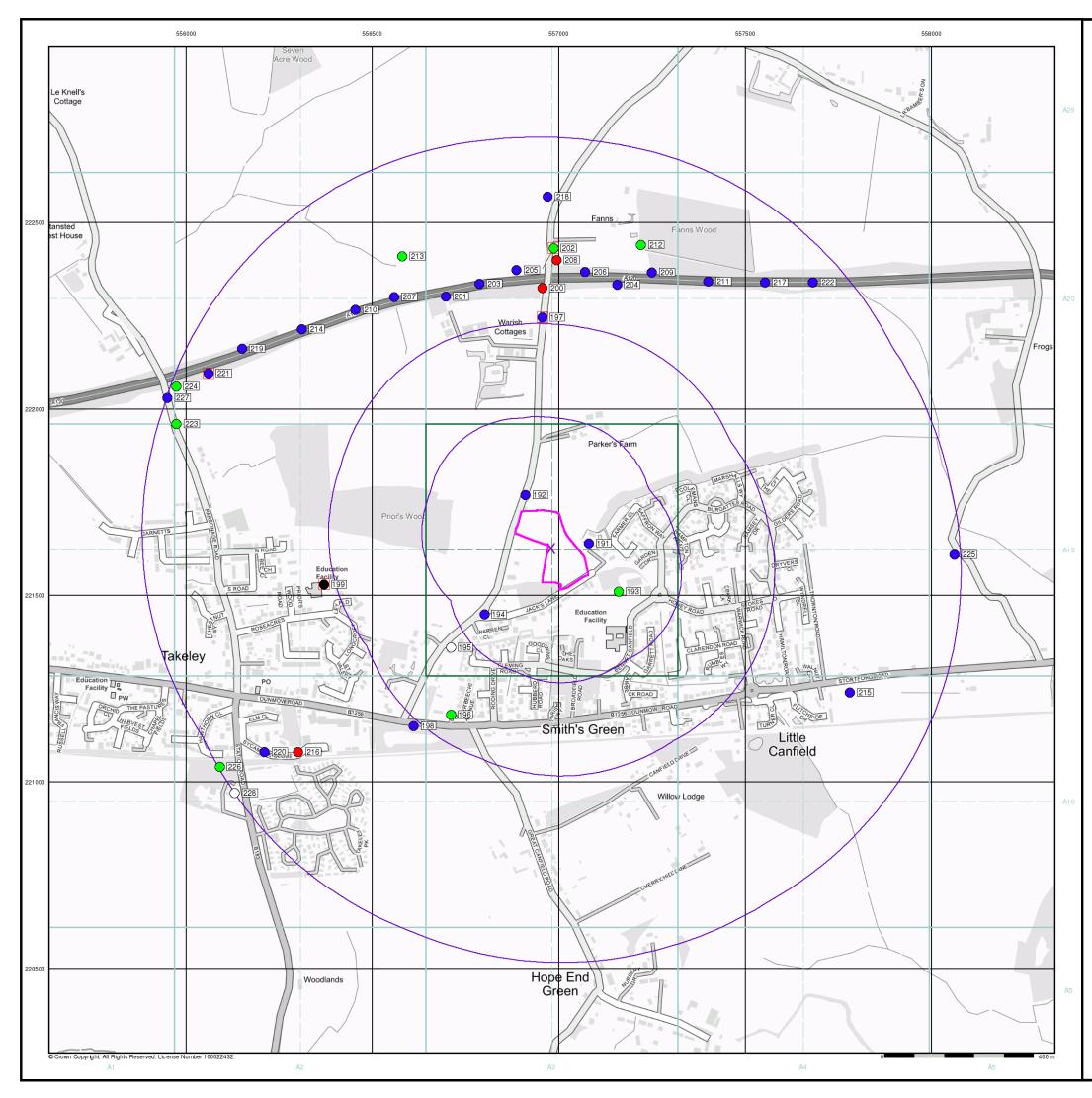
Slice: Site Area (Ha): Search Buffer (m):

Order Number: 271774066_1_1 Customer Ref: CON01-WARI-070 (Jacks) National Grid Reference: 556980, 221630 А 2.1 1000

Site Details

Jacks, Takeley, BISHOP'S STORTFORD, CM22 6NT





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General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Map ID
Several of Type at Location

Agency and Hydrological (Boreholes)

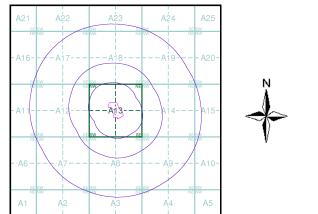
- 😑 BGS Borehole Depth 0 10m
- BGS Borehole Depth 10 30m
- 🔴 BGS Borehole Depth 30m +
- Confidential

⊖ Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.





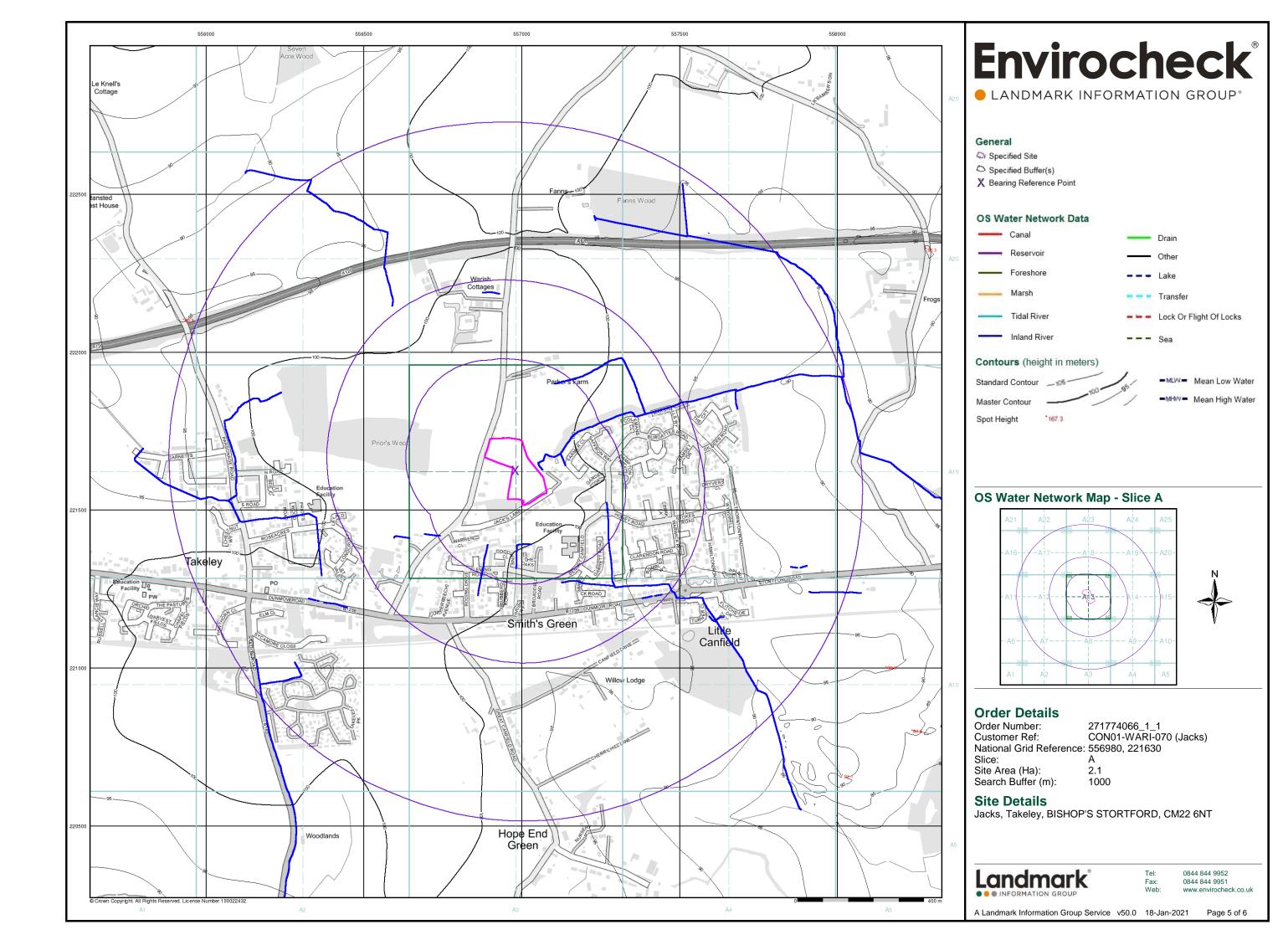
Order Details

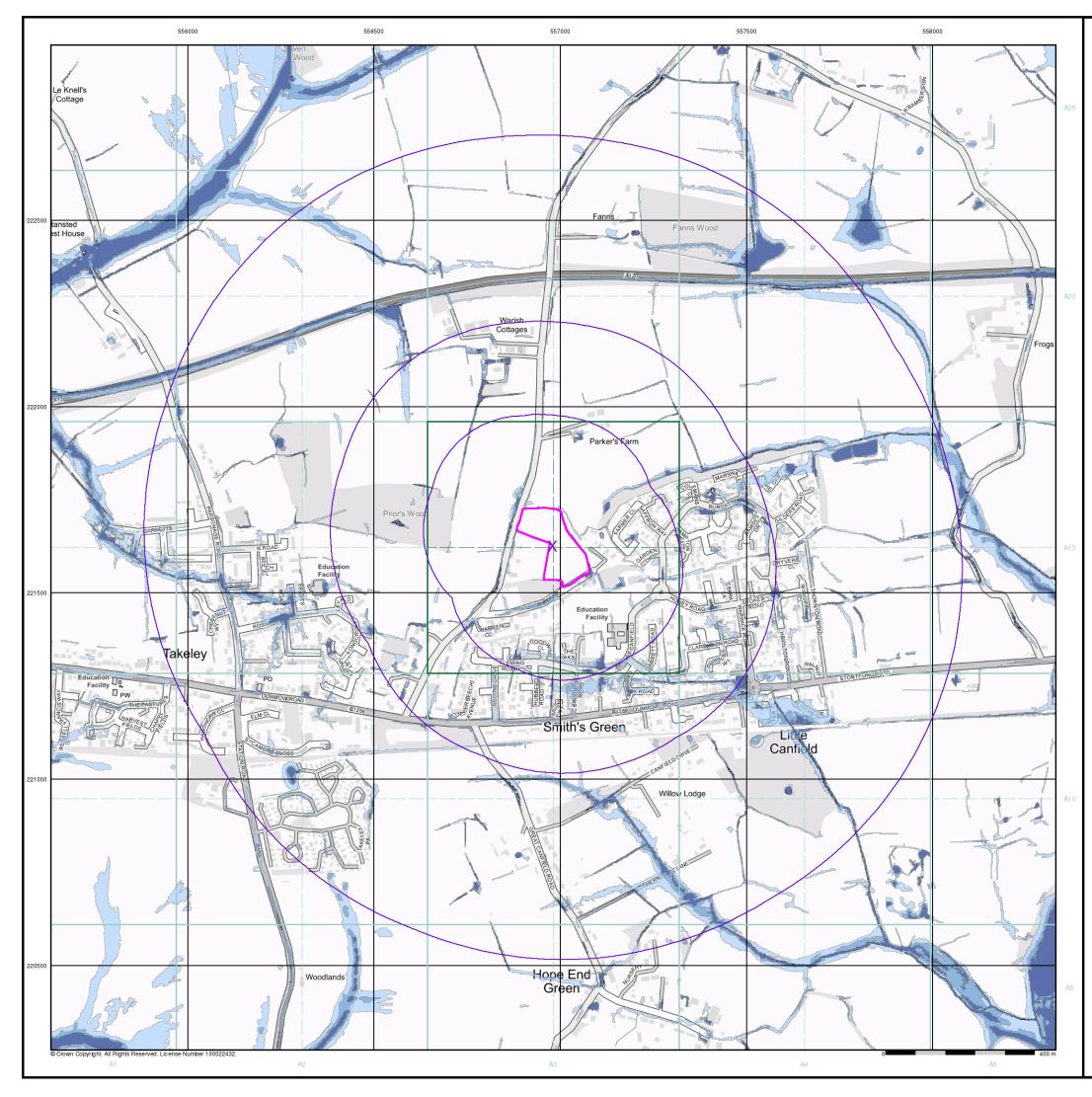
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Customer Ref:	CON01-WARI-070 (Jacks)
National Grid Reference:	556980, 221630
Slice:	A
Site Area (Ha):	2.1
Search Buffer (m):	1000

Site Details

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General

- 🛆 Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Risk of Flooding from Surface Water

High - 30 Year Return
Medium - 100 Year Return

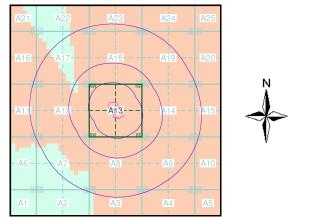
Low - 1000 Year Return

Suitability See the suitability map below

National to county County to town Town to street Street to parcels of land

Property

EA/NRW Suitability Map - Slice A



Order Details

Order Number: 271774066_1_1 Customer Ref: CON01-WARI-070 (Jacks) National Grid Reference: 556980, 221630 Slice: Site Area (Ha): Search Buffer (m):

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