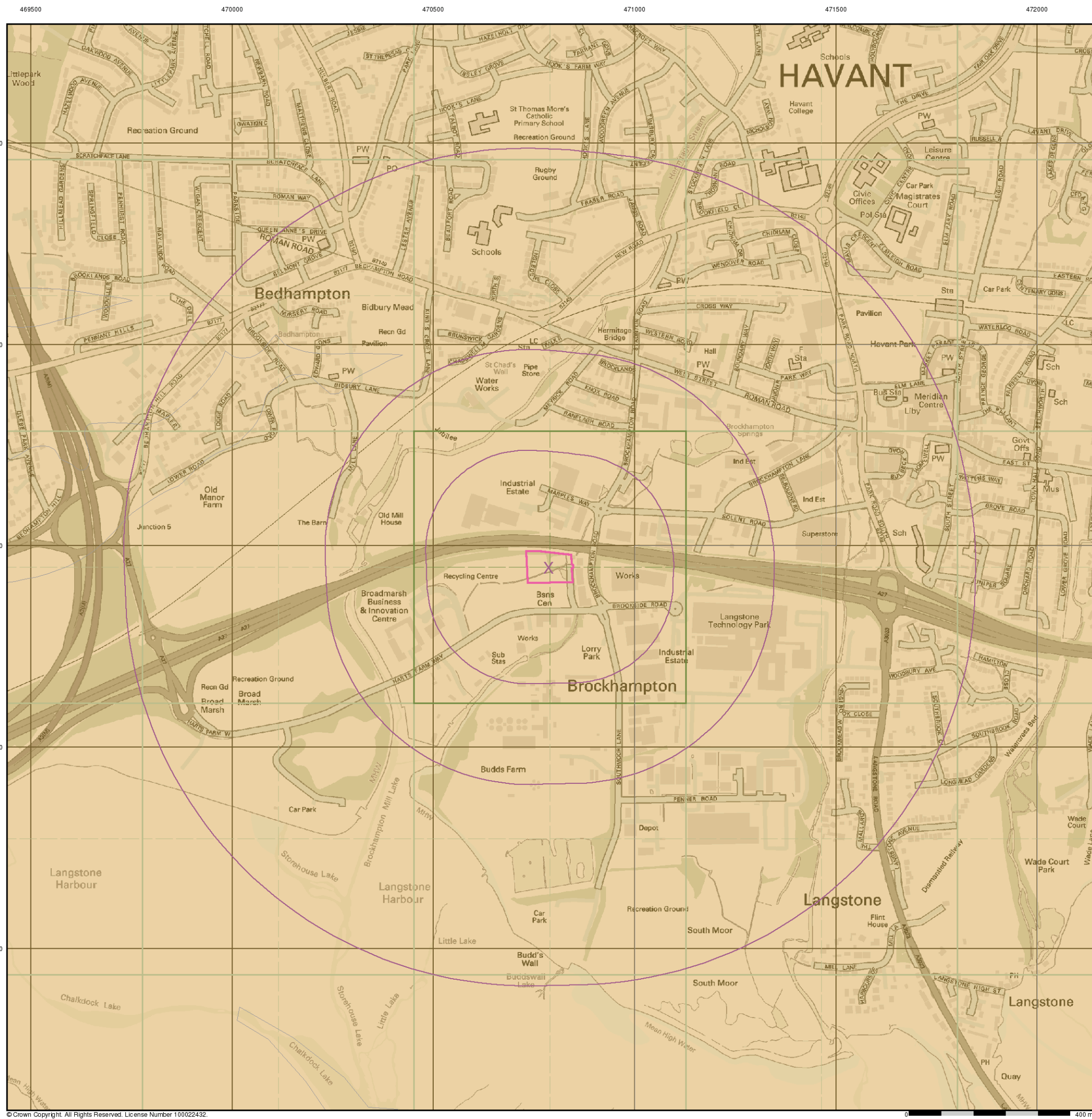




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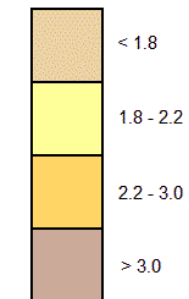
environmental and geotechnical consultants

General

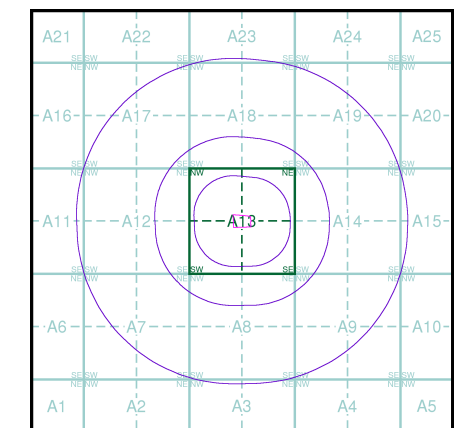
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

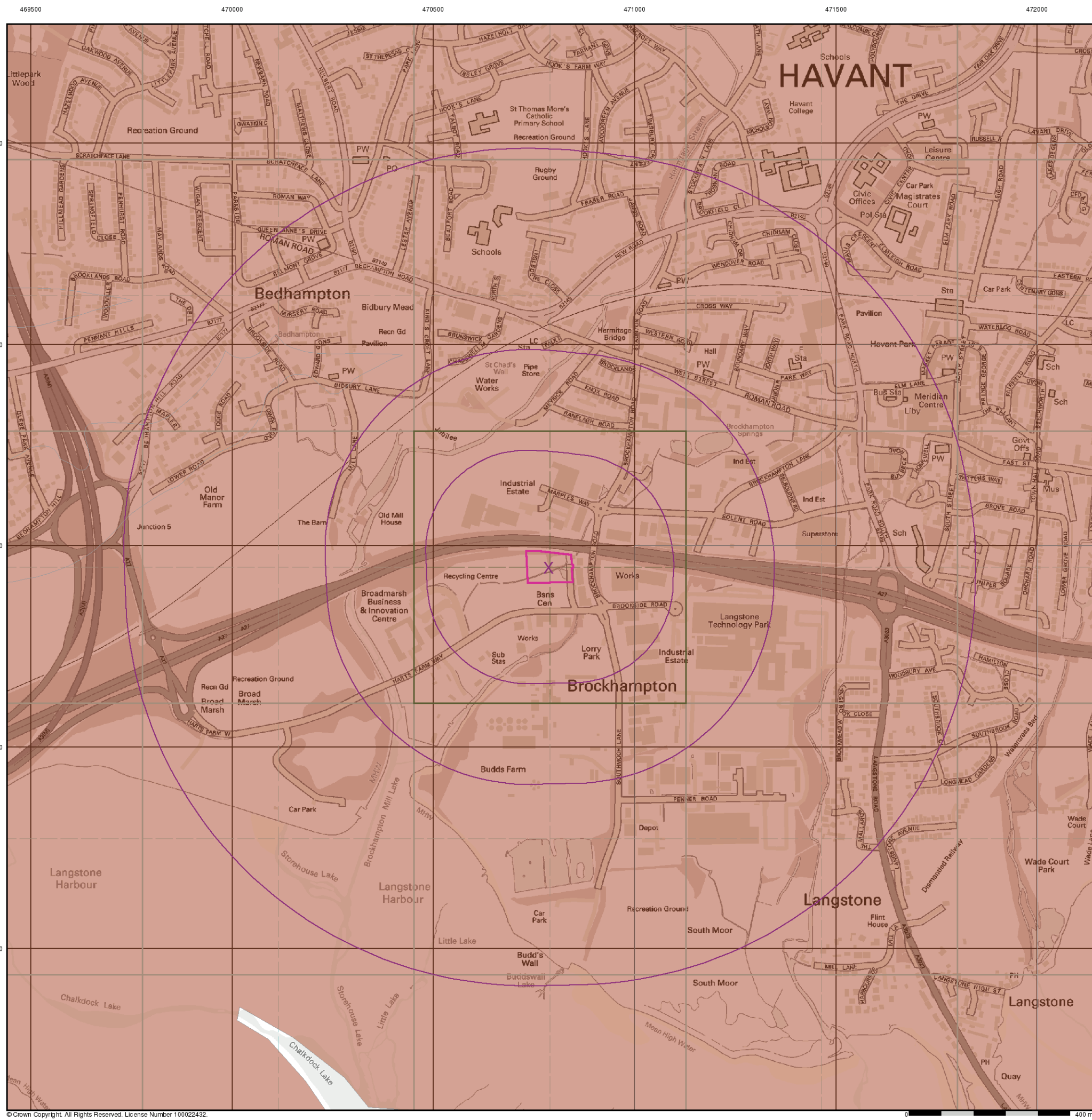
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Customer Ref: STN3703G
National Grid Reference: 470790, 105950
Slice: A
Site Area (Ha): 0.84
Search Buffer (m): 1000

Site Details

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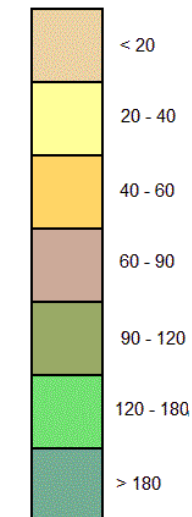
environmental and geotechnical consultants

General

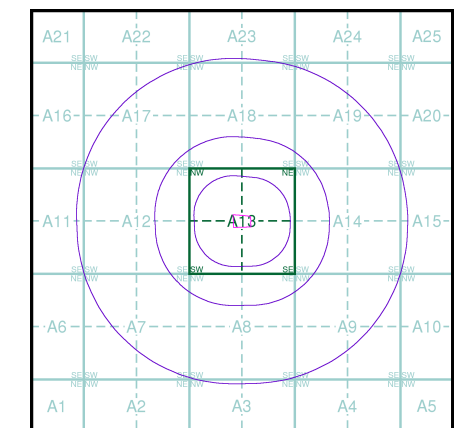
- Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

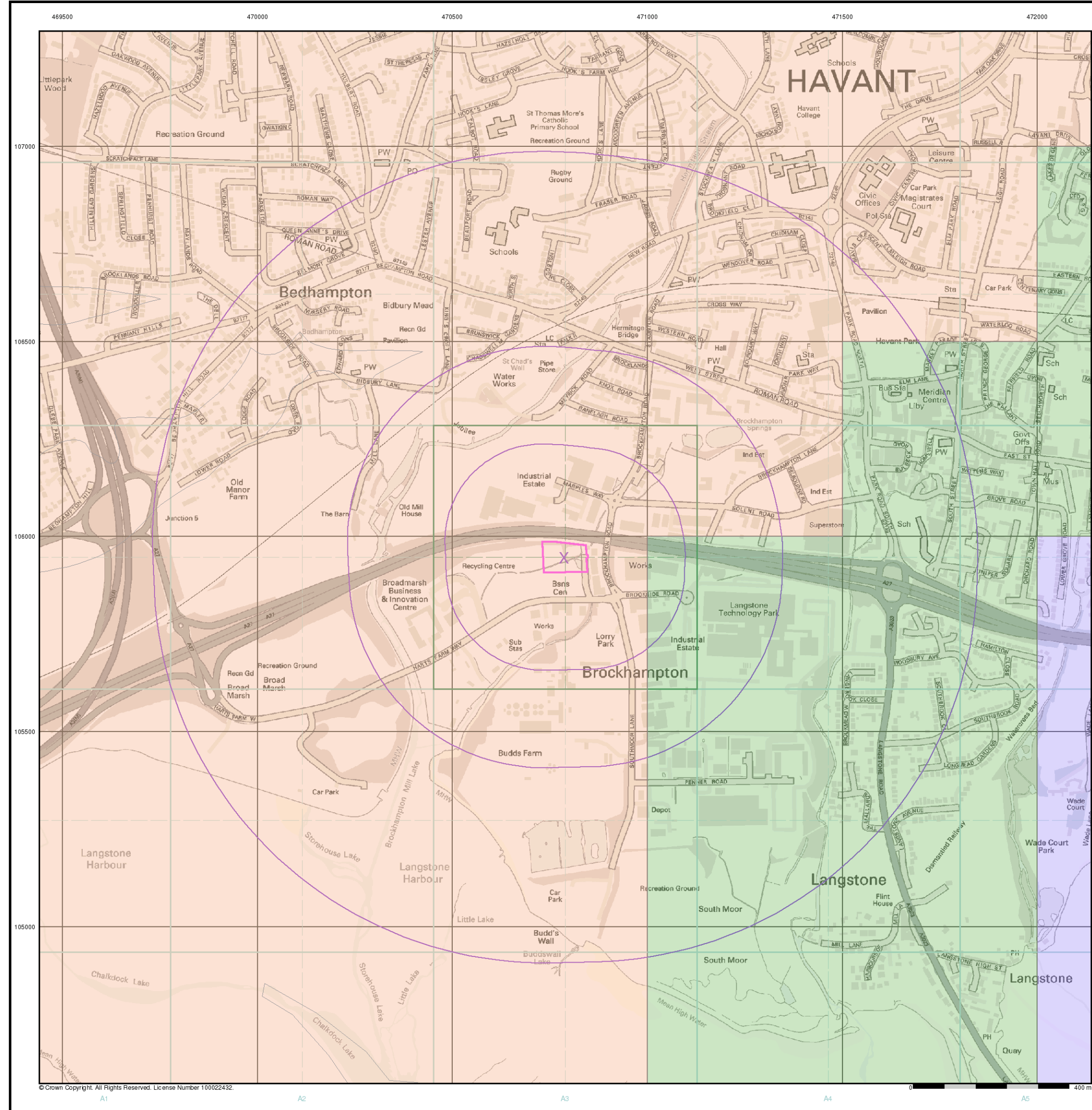
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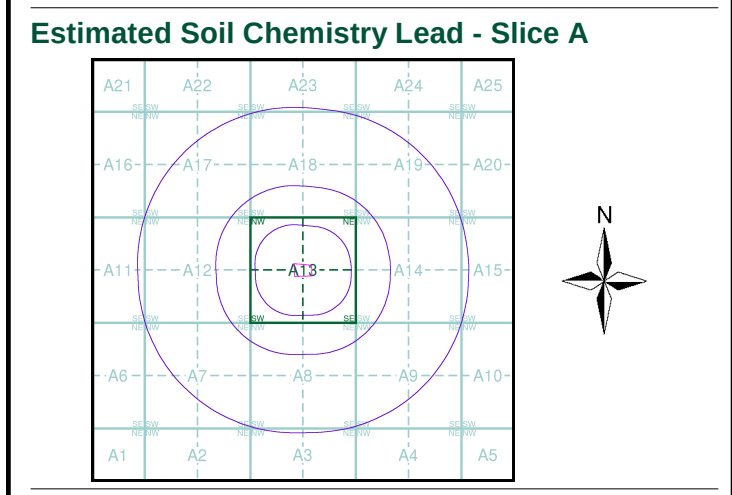
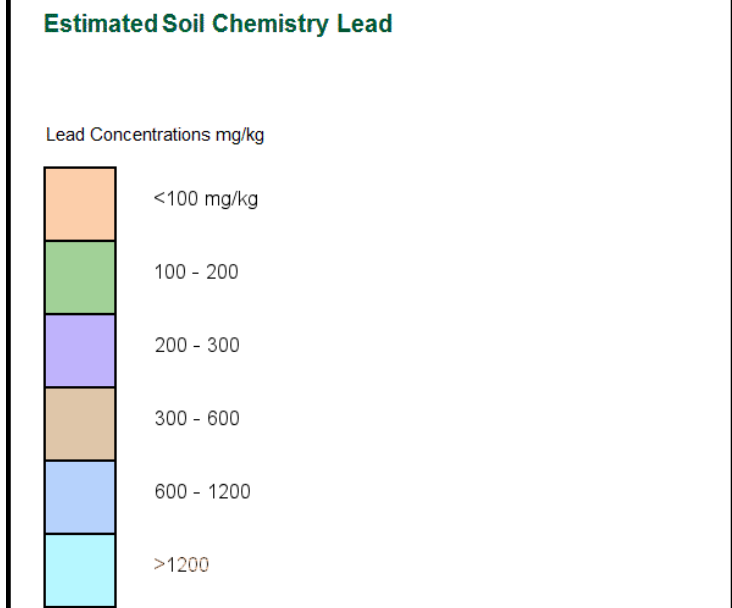


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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point



Order Details

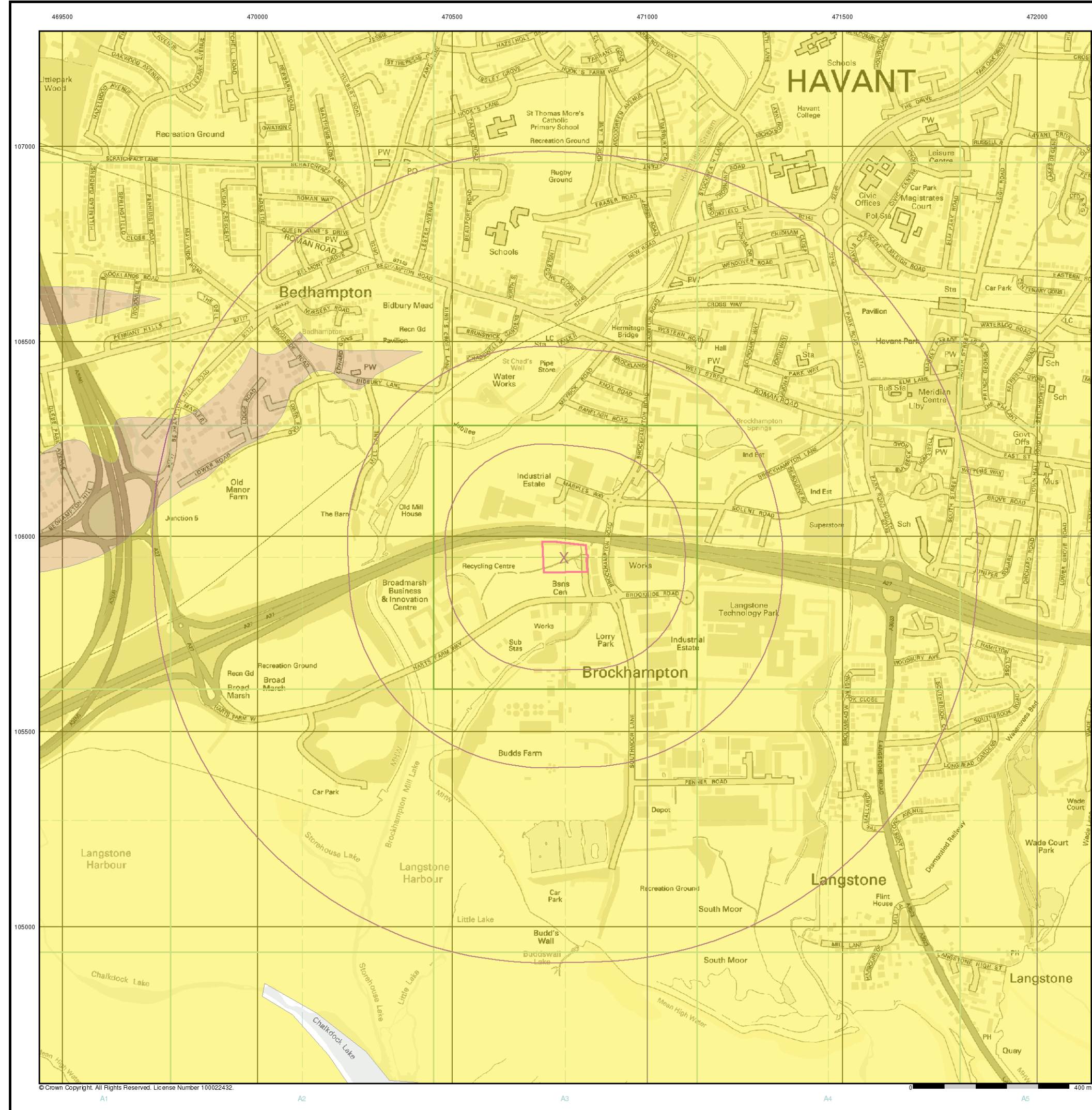
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Search Buffer (m): 1000

Site Details

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Information Group

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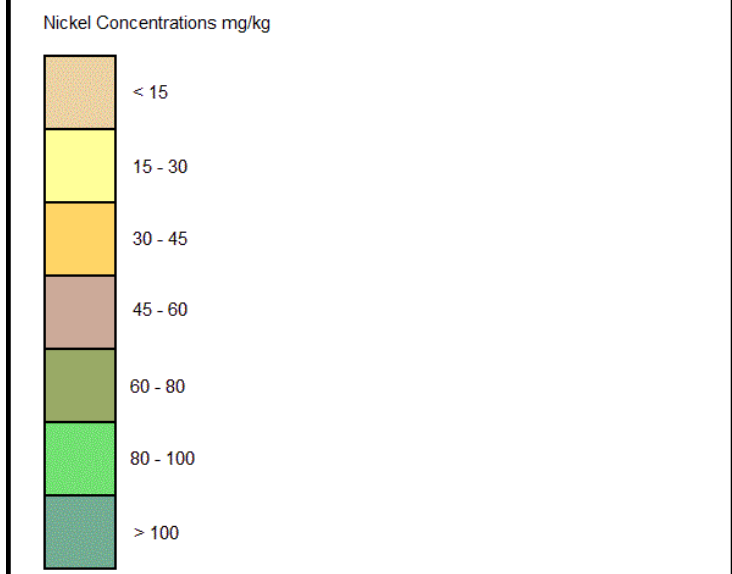
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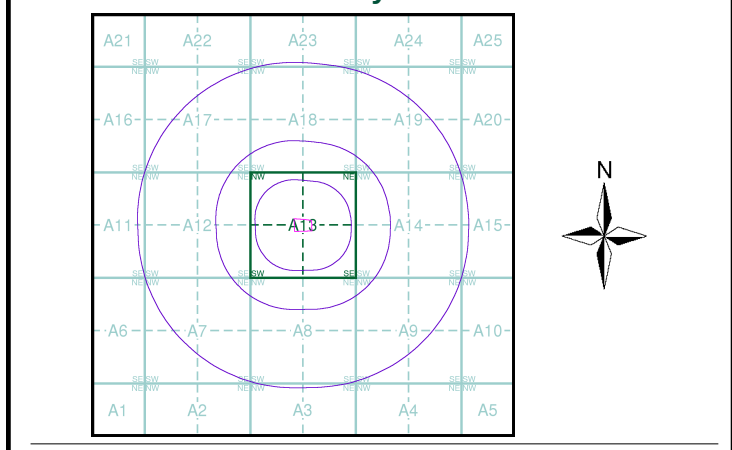
General

Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel



Estimated Soil Chemistry Nickel - Slice A



Order Details

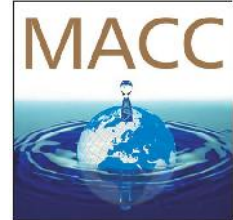
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National Grid Reference: 470790, 105950
Slice: A
Site Area (Ha): 0.84
Search Buffer (m): 1000

Site Details

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MACC International Ltd, Camilla Court, Nacton, Ipswich, Suffolk, IP10 0EU, UK

Ms Sara Bertholdson
Administration Assistant
Soiltechnics Ltd

Your Reference:

Our Reference: JM/3536/169

Email 1st Instance: sara.bertholdson@soiltechnics.net Date: 05/09/2016

Unexploded Ordnance Preliminary Risk Review
Keyline Havant, Harts Farm Way, Havant PO9 1JU

MACC International Ltd (MACC) has conducted a preliminary risk review for the site footprint. The review has drawn on open source and in-house information, references have been provided where available. (See Annex A)

The review has been conducted to provide Soiltechnics Ltd with a review of the risk which may be posed by UXO while conducting investigations on the site.

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The area surrounding the site suffered bombing during WWII. It is also a credible possibility that live ammunition may have been buried on multiple sites in Havant. Whilst considering the history of the site and the level of post-war development, the following conclusions have been reached:

- It is considered that there is a credible likelihood of encountering UXO on the plot. The preliminary UXO risk is considered to be MEDIUM within the site boundary.

It is recommended that a detailed UXO study is conducted or alternatively; the stated preliminary risk level is accepted and the following mitigation procedures are implemented:

1. All site personnel are provided with a UXO Safety Awareness Talk before intrusive works are commenced.
2. All intrusive investigations should be supported by a UXO specialist.

I trust this document has provided you with sufficient information to meet your immediate needs, should you require anything further, please do not hesitate to contact me.

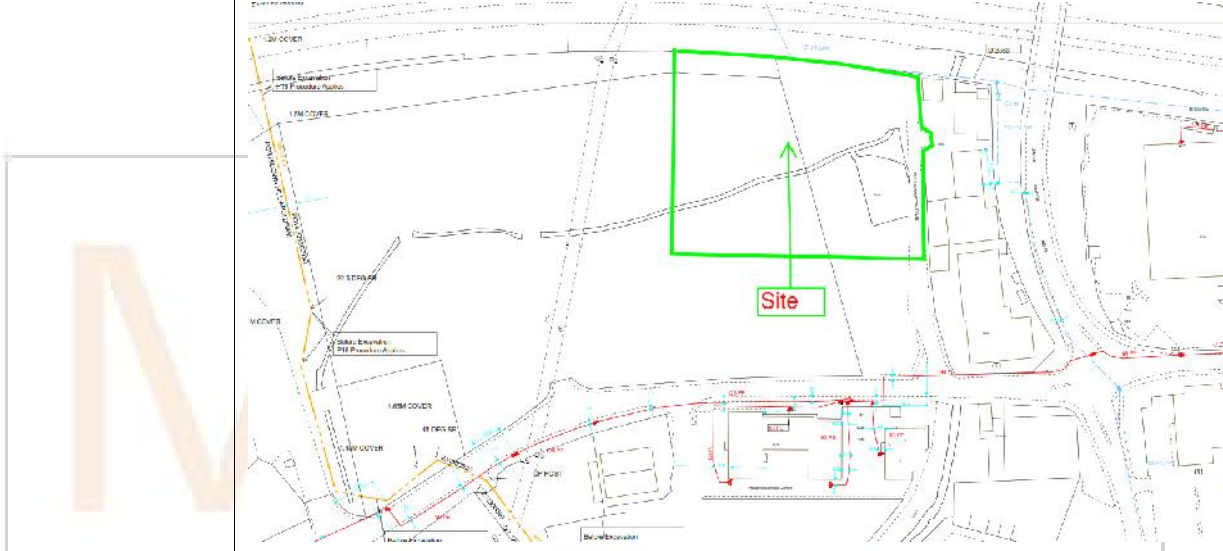
Yours Sincerely

John Morrison
Operations Manager

Annex 'A' to
Document JM/3536/169



Unexploded Ordnance Preliminary Risk Review

Site location	Keyline Havant, Harts Farm Way, Havant PO9 1JU Grid Reference: 470773, 105910 
Scope of Intended works	Preliminary review of the risk that may be posed by UXO to geotechnical investigations.
History	HAA gun sites were located in the local area to defend against air attack.
Wartime History	Although records were not found to confirm a strike within the site footprint, bomb strikes were recorded c.a.300m north east of the site behind the waterworks at Brockhampton Road.
Unexploded Ordnance (UXO) Finds	Anecdotal records indicate that Broadmarsh and South Moor in Havant were previously used as waste tips for ammunition, bombs and grenades by army camps on the south coast. Considering the proximity of these to the site footprint, the possibility of encountering live ammunition must be considered credible.
Post War Development	The site has undergone development since 1945.