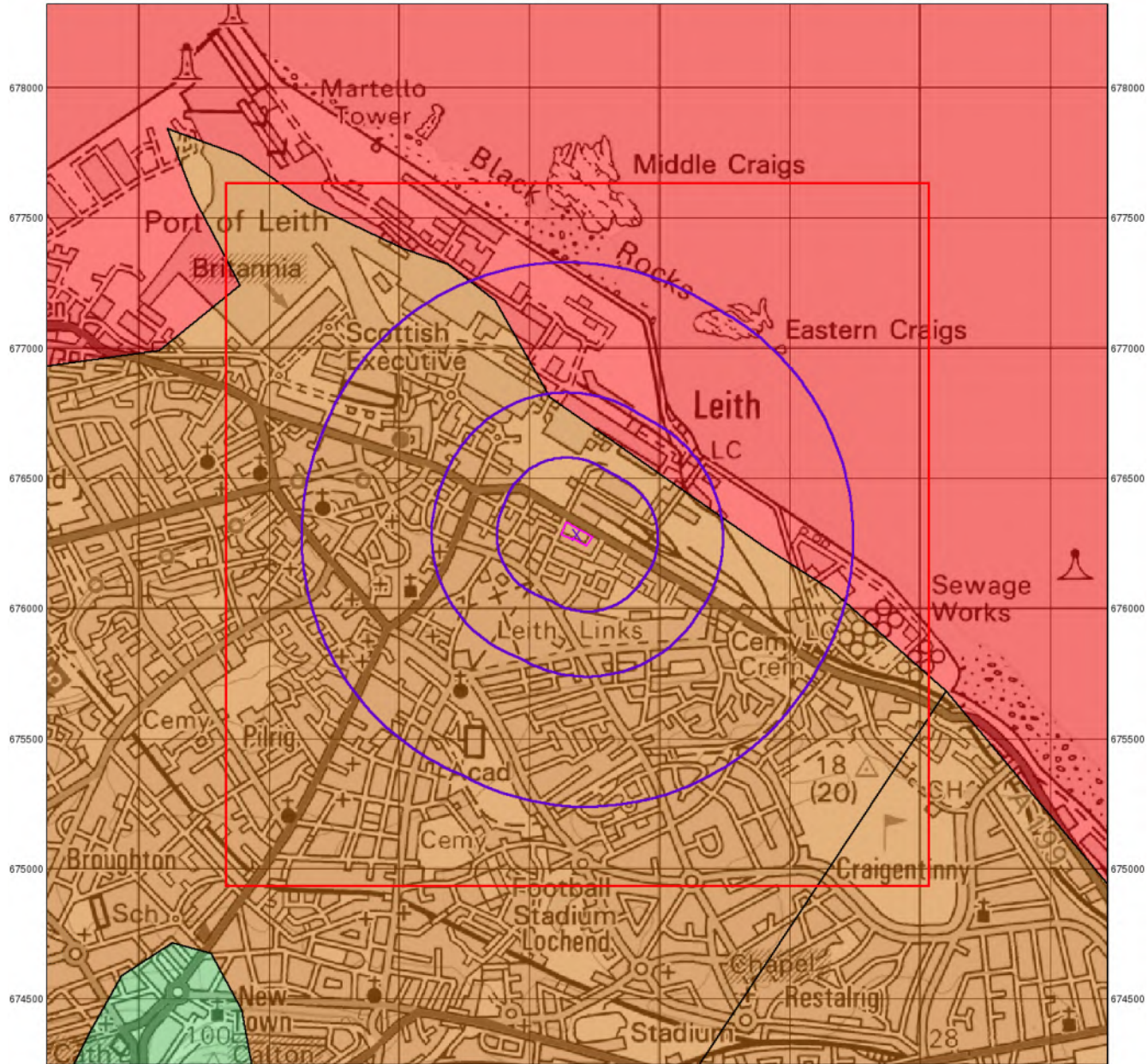


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0 1 km



GEO-ENVIRONMENTAL & MINERALS

## Groundwater Vulnerability

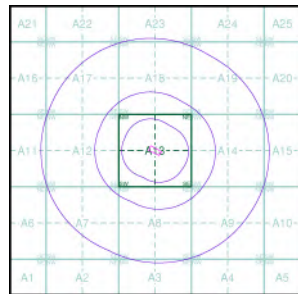
### General

- Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- Slice
- B Map ID

### Geology and Hydrological

- | Geological Classes   | Soil Classes   |
|----------------------|--|
| Highly Permeable     | <span style="display: inline-block; width: 15px; height: 15px; background-color: purple; border: 1px solid black;"></span> High          |
|                      | <span style="display: inline-block; width: 15px; height: 15px; background-color: magenta; border: 1px solid black;"></span> Intermediate |
|                      | <span style="display: inline-block; width: 15px; height: 15px; background-color: lightpurple; border: 1px solid black;"></span> Low      |
| Moderately Permeable | <span style="display: inline-block; width: 15px; height: 15px; background-color: orange; border: 1px solid black;"></span>               |
| Weakly Permeable     | <span style="display: inline-block; width: 15px; height: 15px; background-color: green; border: 1px solid black;"></span>                |
| Water or Sea         | <span style="display: inline-block; width: 15px; height: 15px; background-color: lightblue; border: 1px solid black;"></span>            |
| Drift Deposit        | <span style="display: inline-block; width: 15px; height: 15px; border-top: 1px dotted black;"></span>                                    |

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

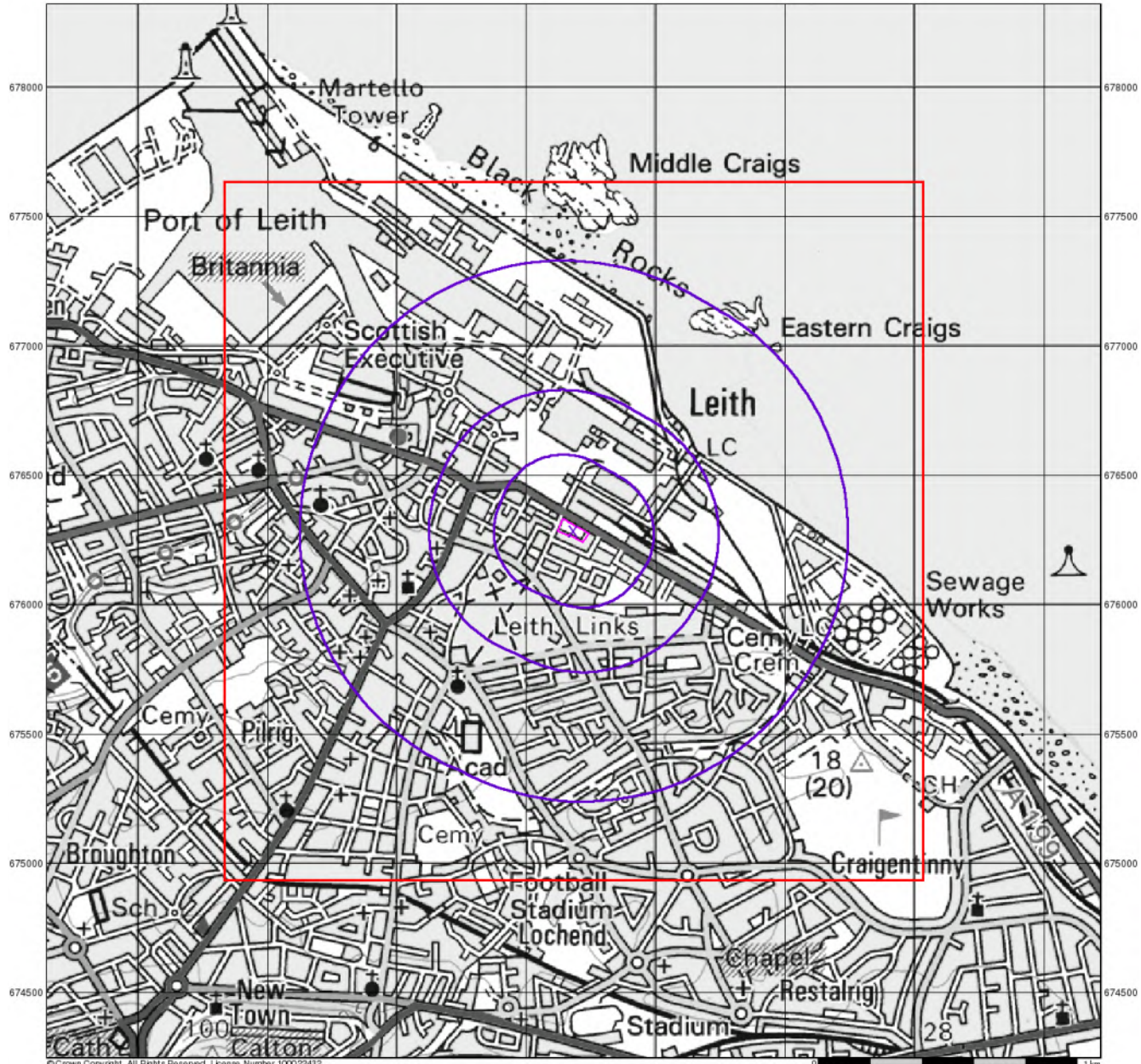
### Site Details

Salamander Street, Edinburgh



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk

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GEO-ENVIRONMENTAL & MINERALS

## Source Protection Zones

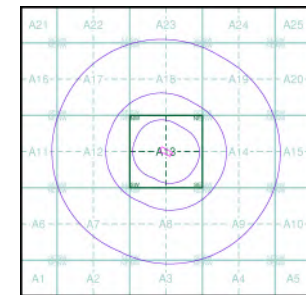
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

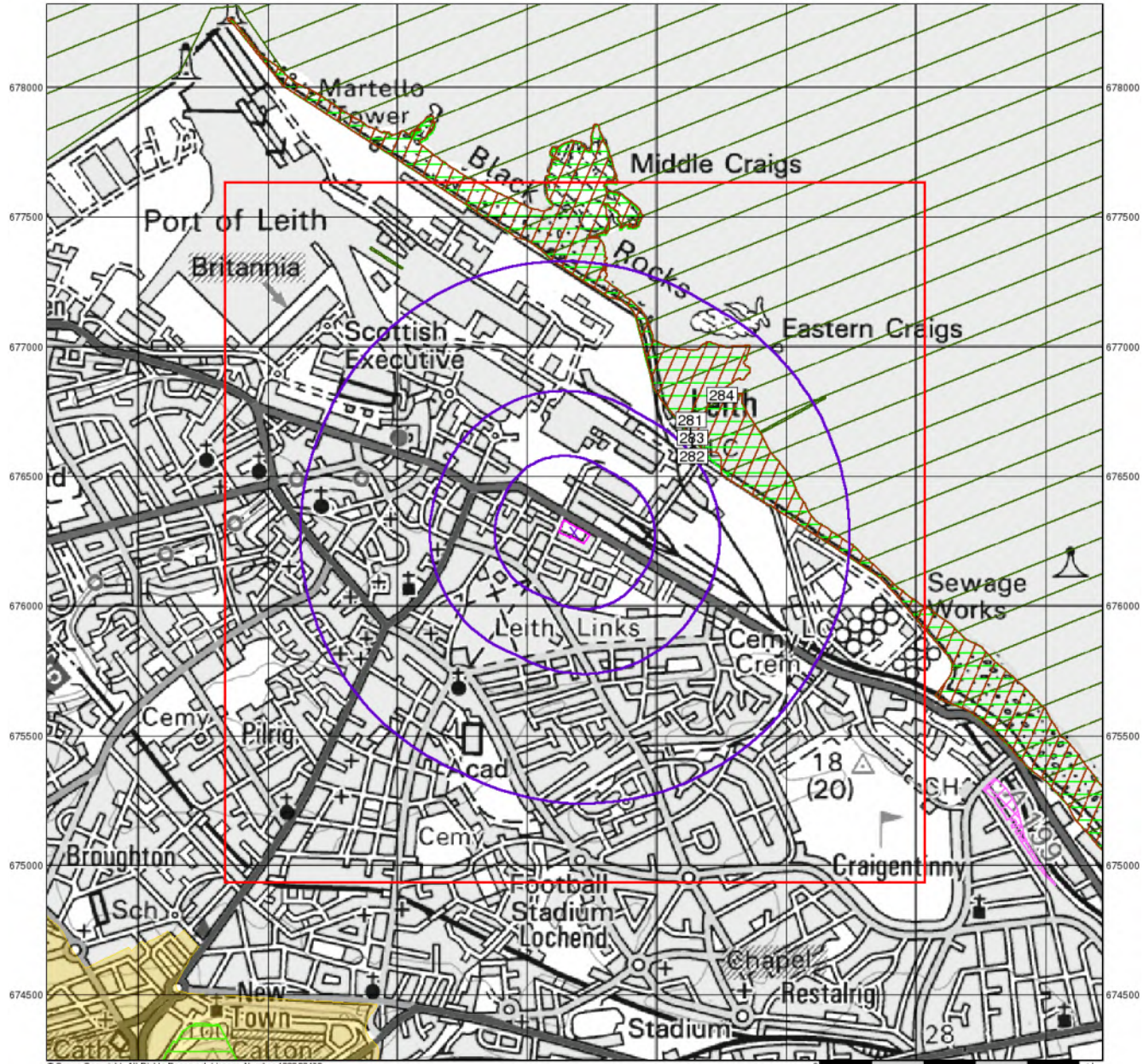
### Site Details

Salamander Street, Edinburgh



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk

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GEO-ENVIRONMENTAL & MINERALS

## Sensitive Land Uses

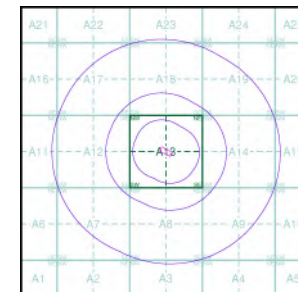
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- National Scenic Area
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

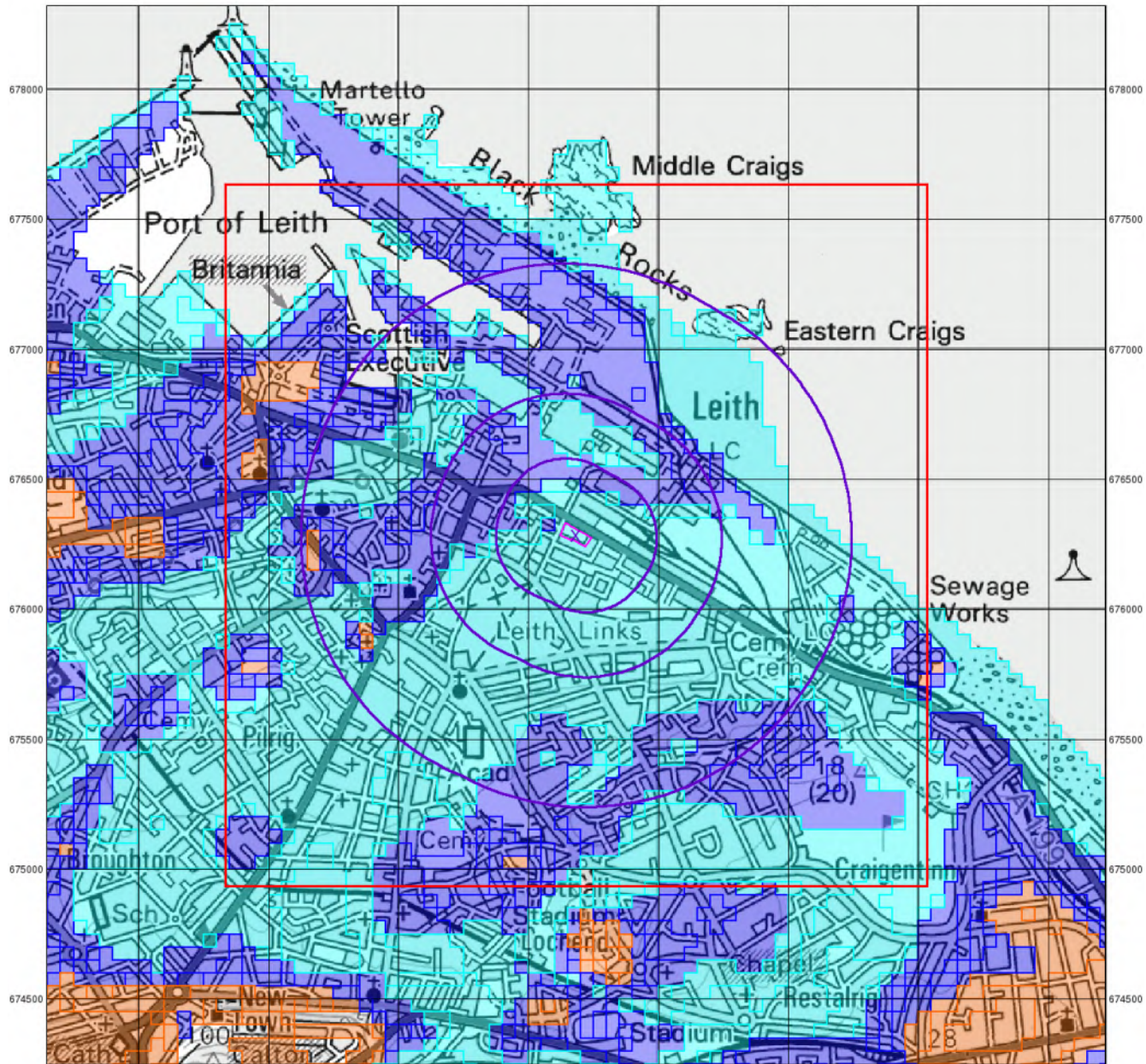
### Site Details

Salamander Street, Edinburgh



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk

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GEO-ENVIRONMENTAL & MINERALS

**BGS Flood GFS Data**

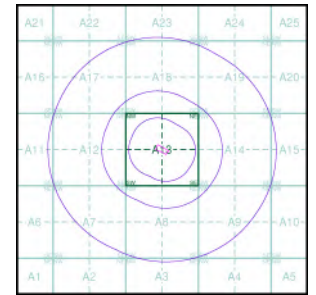
**General**

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

**Agency and Hydrological (Flood)**

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

**Site Sensitivity Context Map - Slice A**



**Order Details**

Order Number: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

**Site Details**

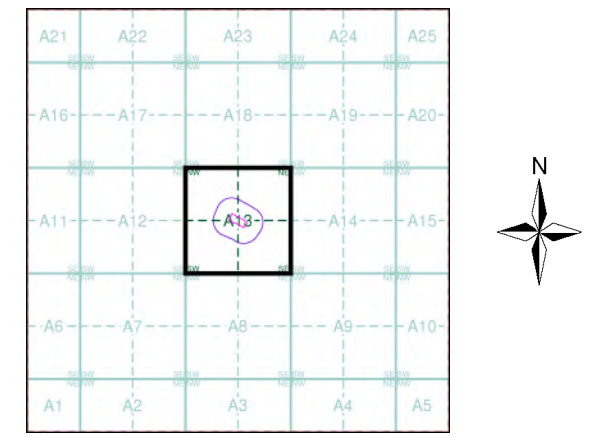
Salamander Street, Edinburgh



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk

- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Severals of Type at Location
  - Pylon
  - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention and Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control Enforcement
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Waste**
- BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - Integrated Pollution Control Registered Waste Site
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Registered Landfill Site
  - Registered Landfill Site (Point Buffered to 100m)
  - Registered Landfill Site (Point Buffered to 250m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Transfer Site
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site
- Geological**
- BGS Recorded Mineral Site

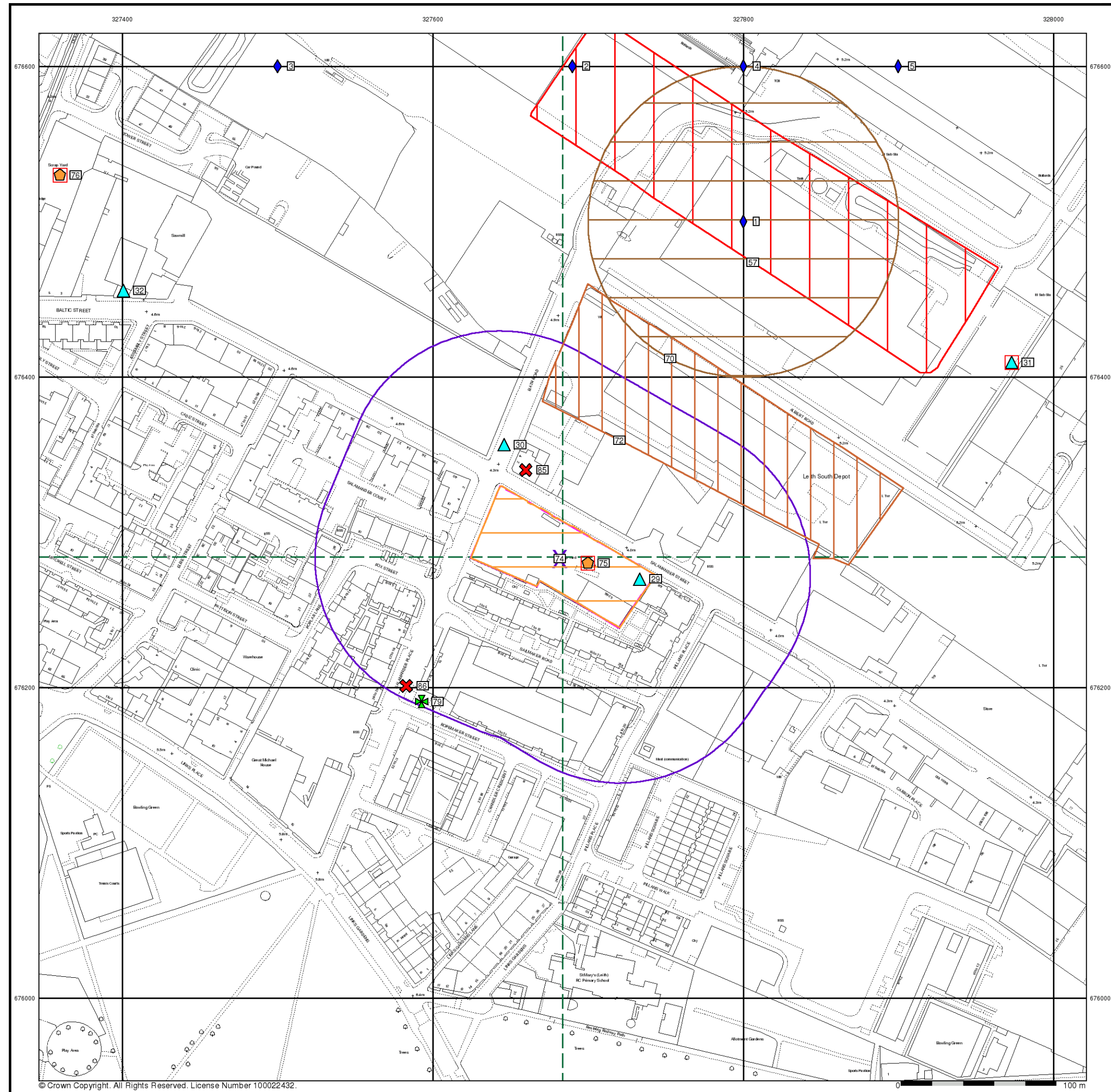
**Site Sensitivity Map - Segment A13**

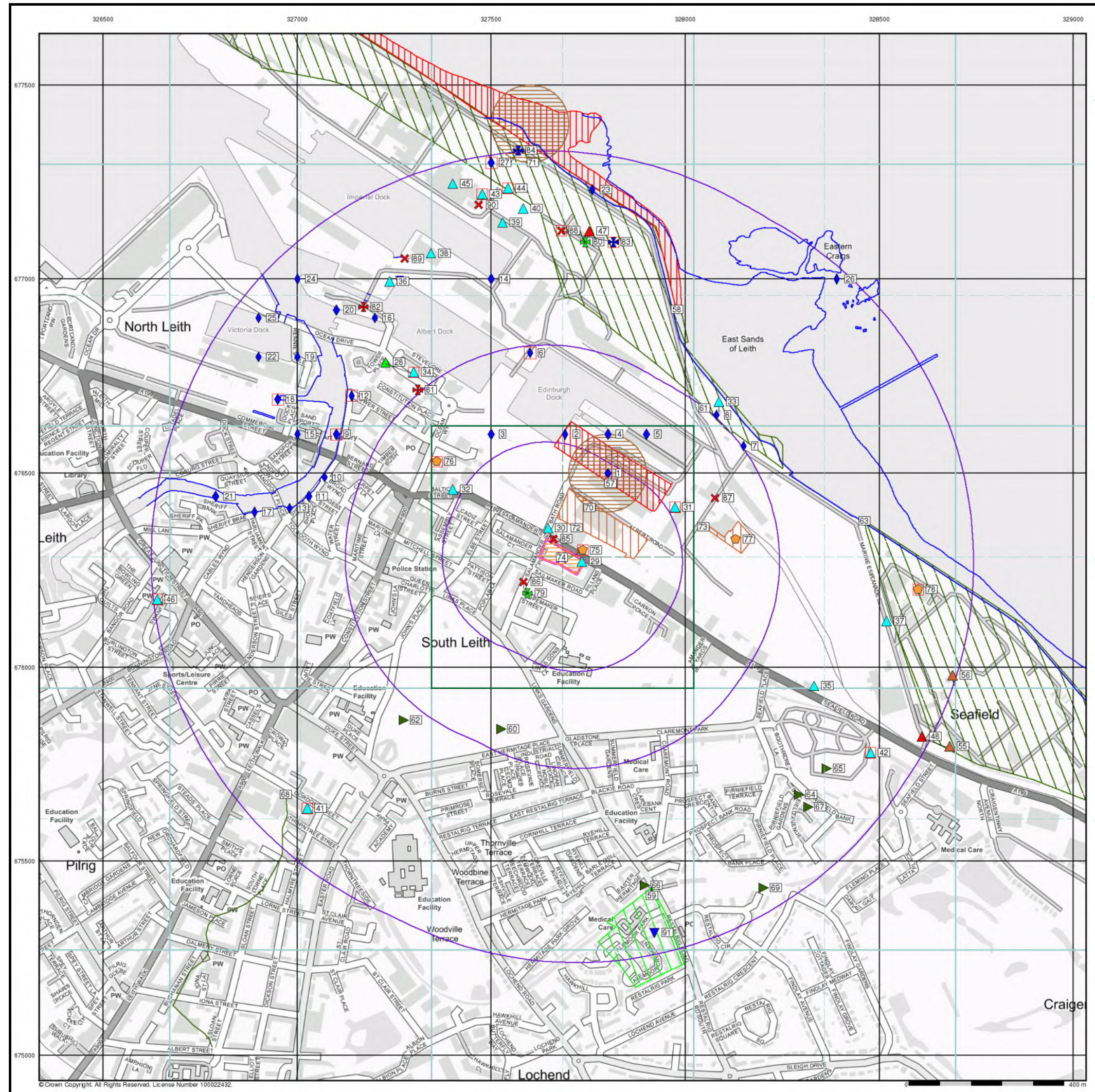


**Order Details**

Order Number: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Plot Buffer (m): 100

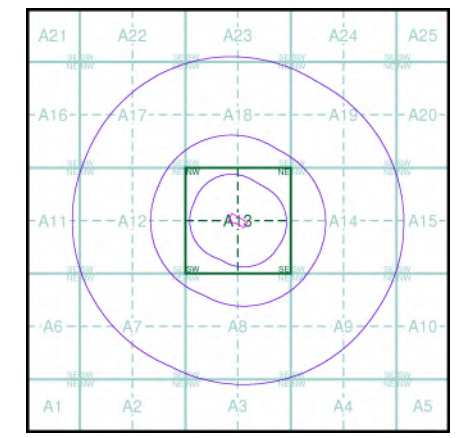
**Site Details**  
 Salamander Street, Edinburgh





- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention and Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control Enforcement
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - Integrated Pollution Control Registered Waste Site
  - Local Authority Recorded Landfill Site (Location)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Registered Landfill Site
  - Registered Landfill Site (Location)
  - Registered Landfill Site (Point Buffered to 100m)
  - Registered Landfill Site (Point Buffered to 250m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Transfer Site
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

**Site Sensitivity Map - Slice A**








**Order Details**

Order Number: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

**Site Details**  
 Salamander Street, Edinburgh

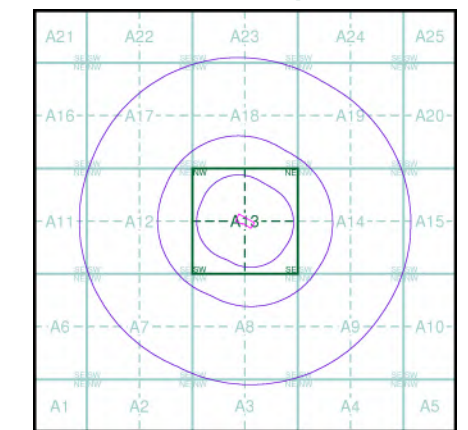
**General**

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point
-  Slice
-  Map ID

**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

**Industrial Land Use Map - Slice A**

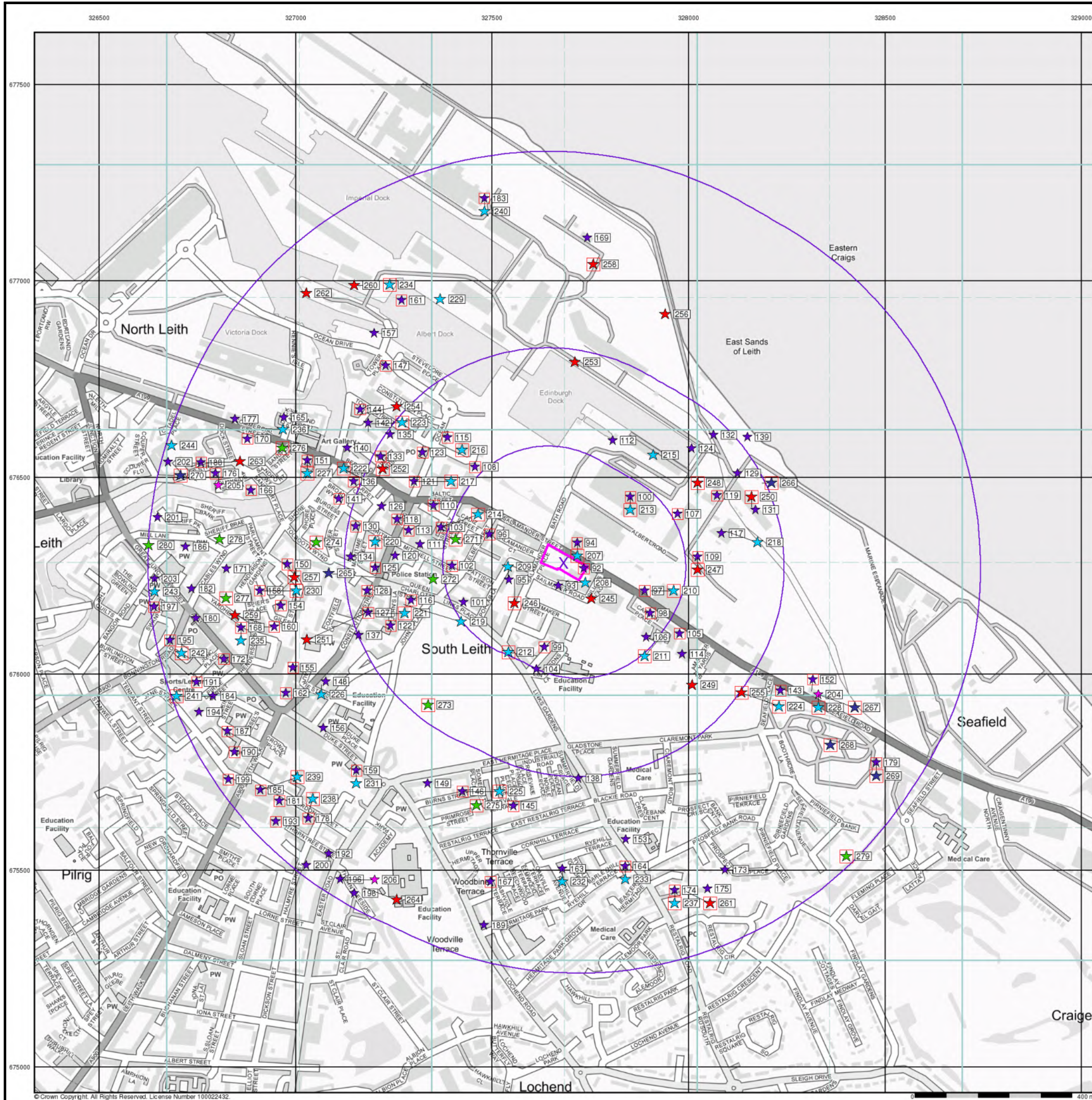


**Order Details**

Order Number: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

**Site Details**




Salamander Street, Edinburgh



**General**

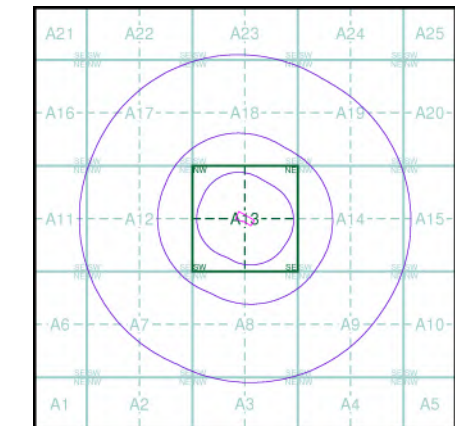
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

**Agency and Hydrological (Flood)**

-  0 - 1m estimated 100yr flood depth
-  1 - 2m estimated 100yr flood depth
-  Over 2m estimated 100yr flood depth

The flooded areas have been generated using a generalised technique and should not, by themselves, be used to infer that specific areas are or are not at risk of inundation. Flood risk at any specific location may be influenced by local factors - not least flood defence - that have not been taken into account.

**Flood Map - Slice A**

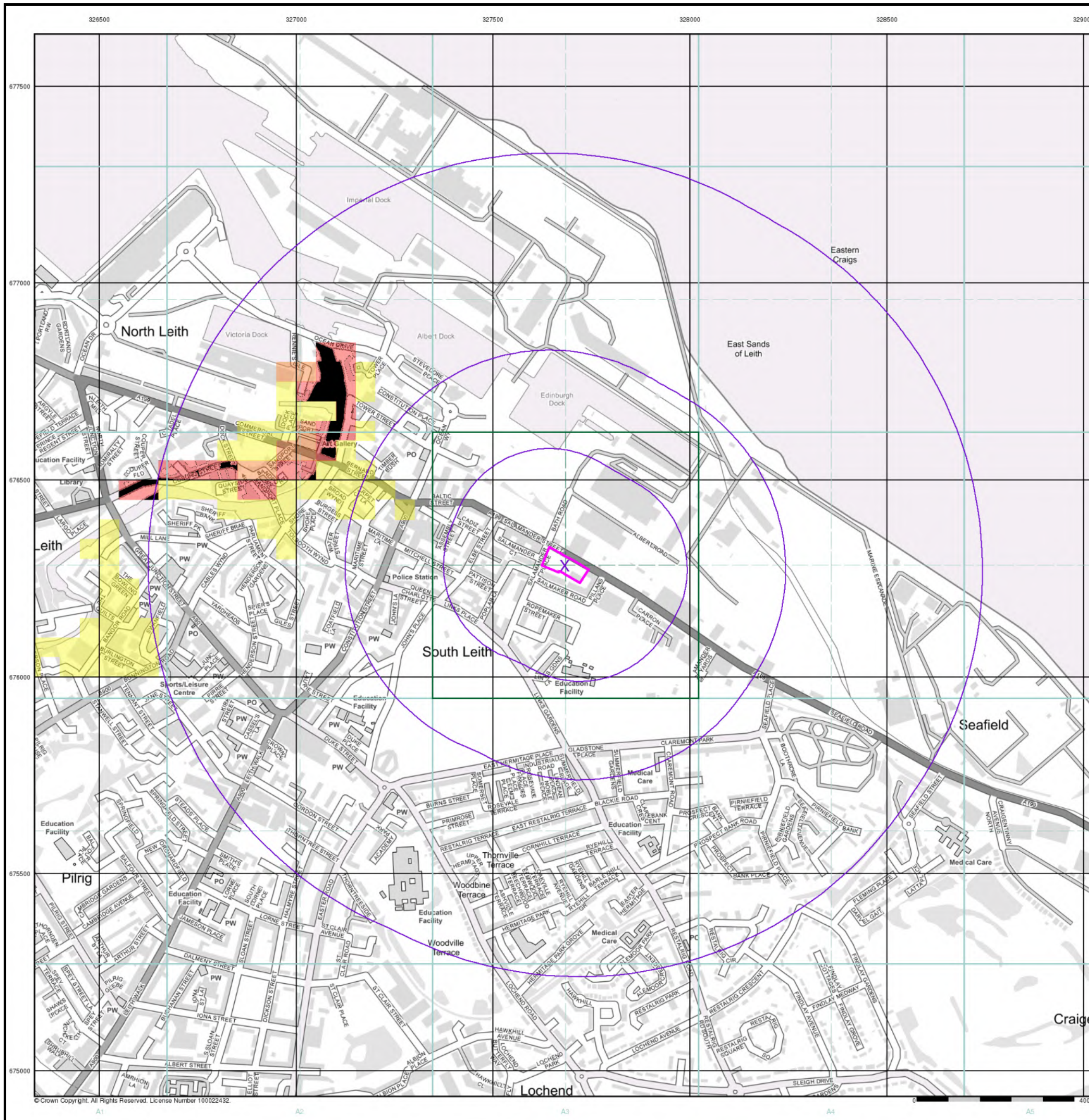


**Order Details**

Order Number: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

**Site Details**






Salamander Street, Edinburgh








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**General**

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

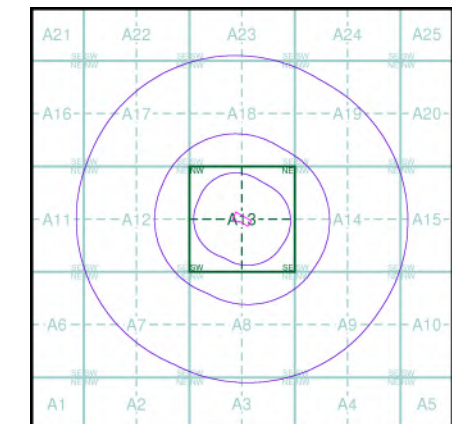
**Agency and Hydrological (Boreholes)**

-  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](http://www.envirocheck.co.uk).

**Borehole Map - Slice A**

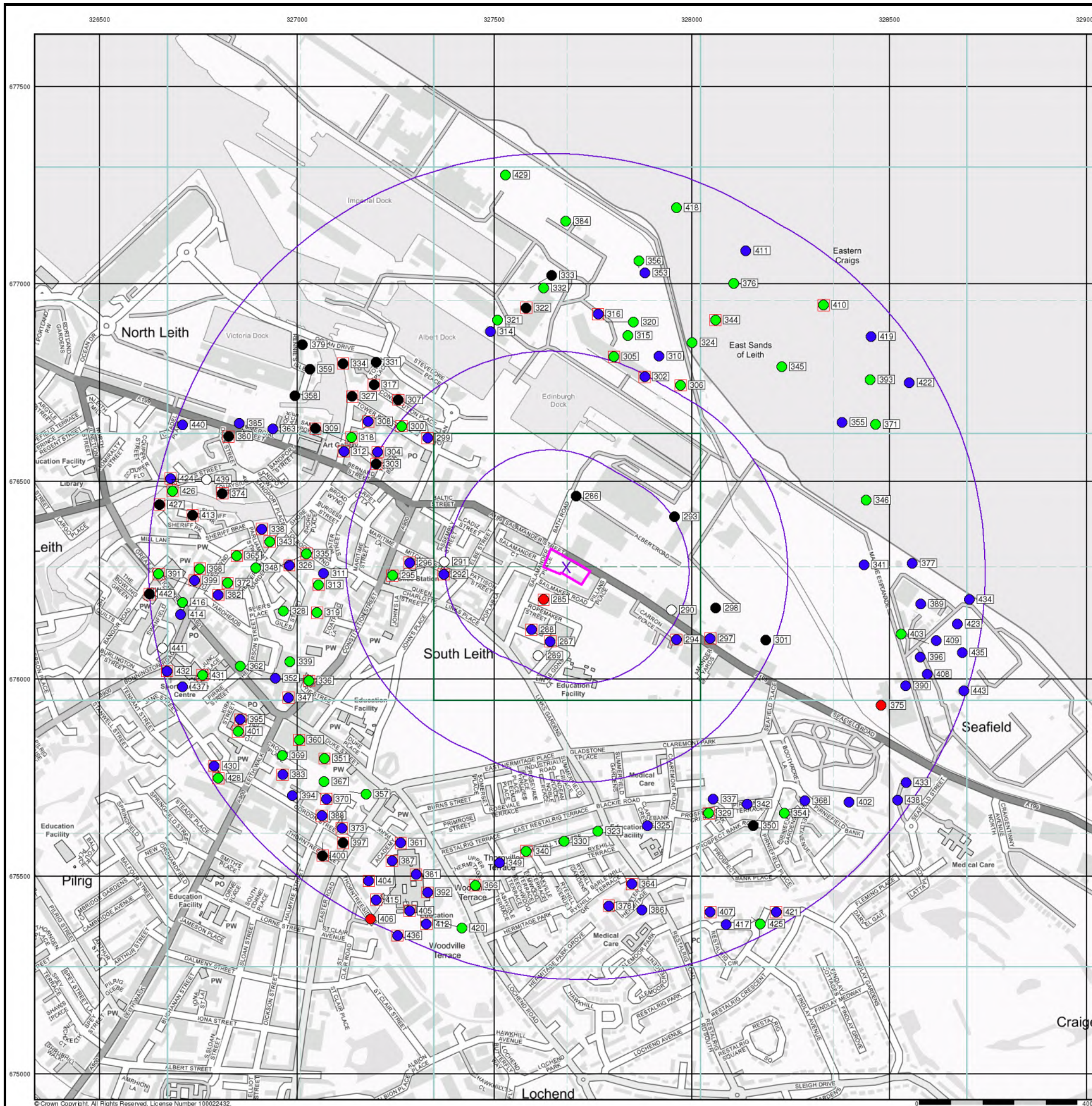


**Order Details**

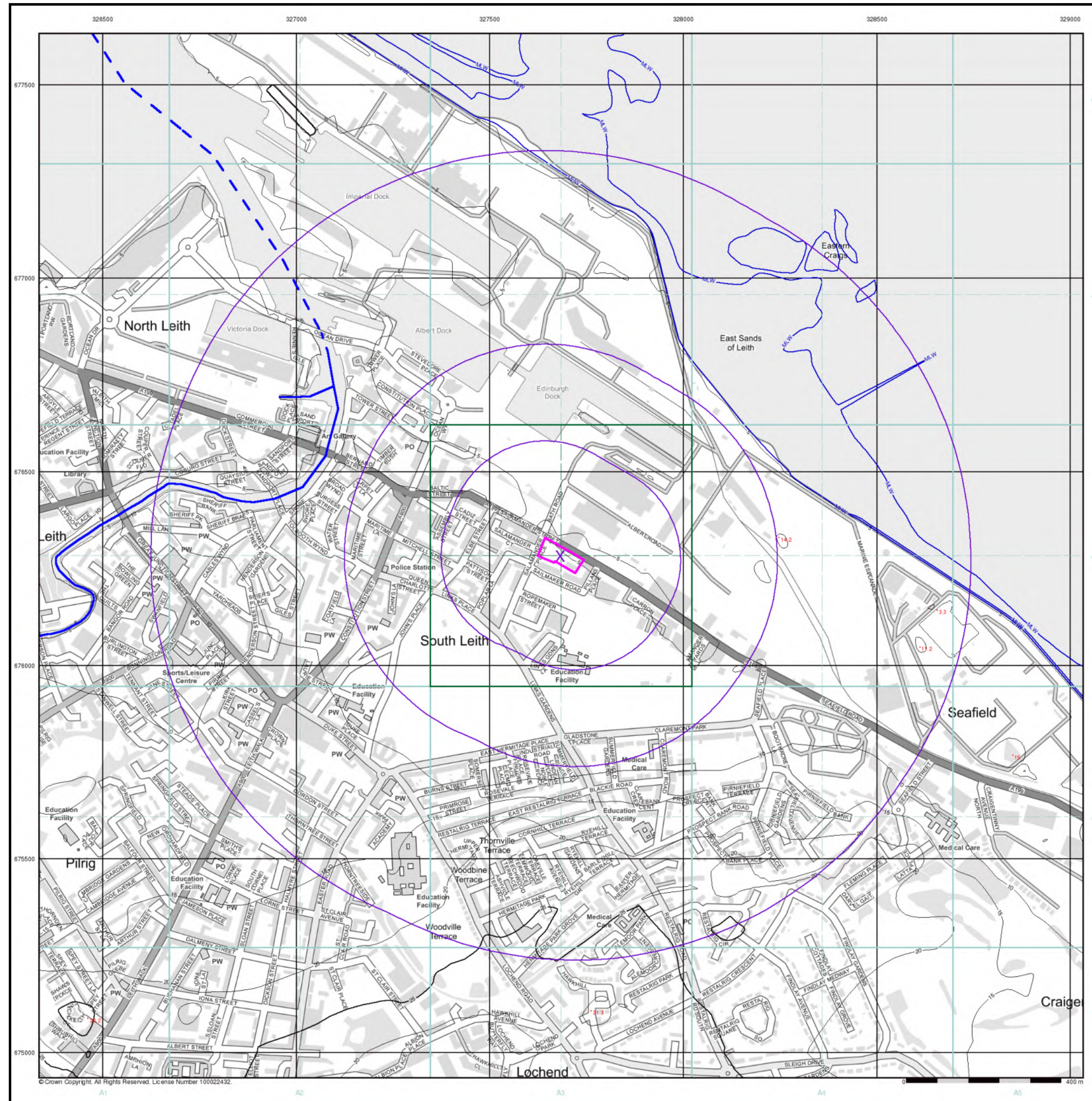
Order Number: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

**Site Details**

Salamander Street, Edinburgh



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

**OS Water Network Data**

Canal	Drain
Reservoir	Other
Foreshore	Lake
Marsh	Transfer
Tidal River	Lock Or Flight Of Locks
Inland River	Sea

**Contours (height in meters)**

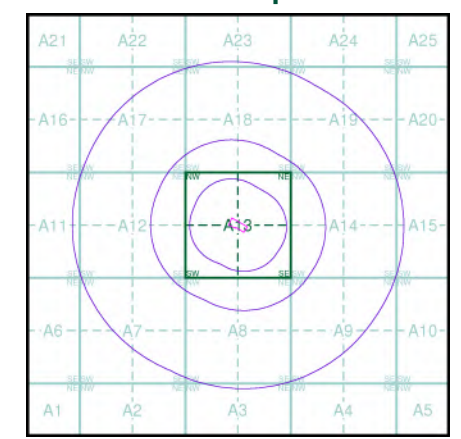
Standard Contour 105 100 95

Master Contour MLW MHW

Spot Height 167.3

Mean Low Water Springs  
 Mean High Water Springs

**OS Water Network Map - Slice A**



**Order Details**  
 Order Number: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

**Site Details**  
 Salamander Street, Edinburgh



**General**

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

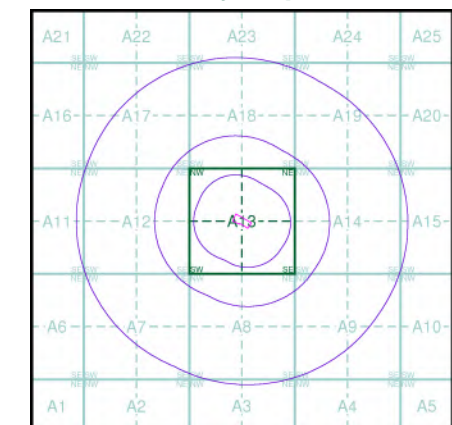
**Risk of Flooding from Surface Water**

-  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

**EANRW Suitability Map - Slice A**

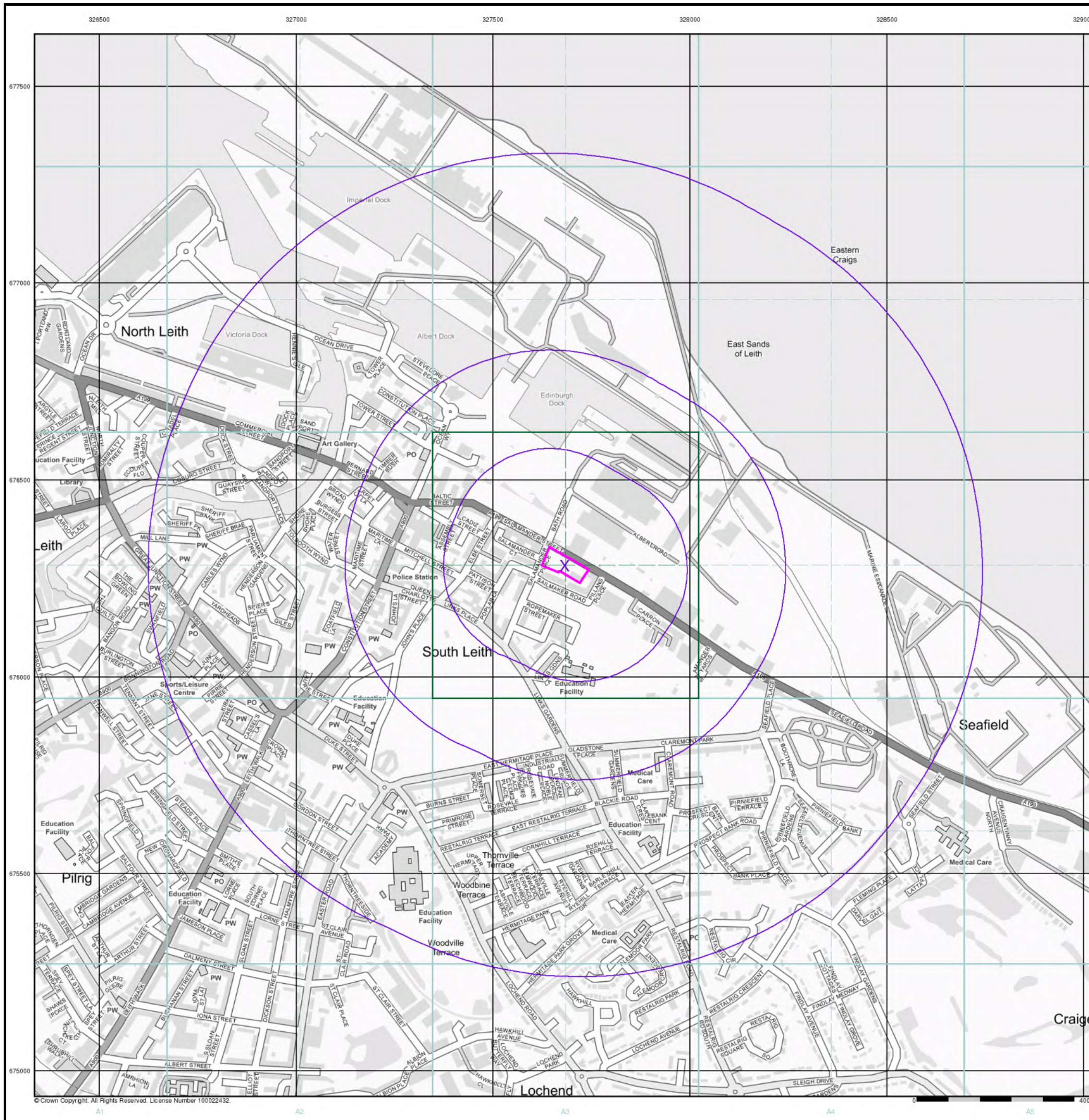


**Order Details**

Order Number: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

**Site Details**

Salamander Street, Edinburgh



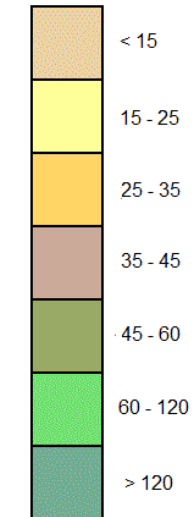
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**General**

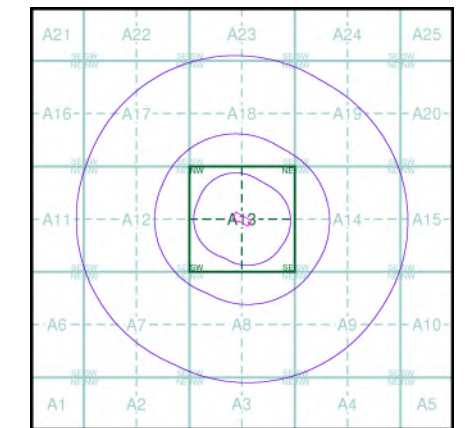
○ Specified Site     
 ○ Specified Buffer(s)     
 X Bearing Reference Point

**Estimated Soil Chemistry Arsenic**

Arsenic Concentrations mg/kg



**Estimated Soil Chemistry Arsenic - Slice A**

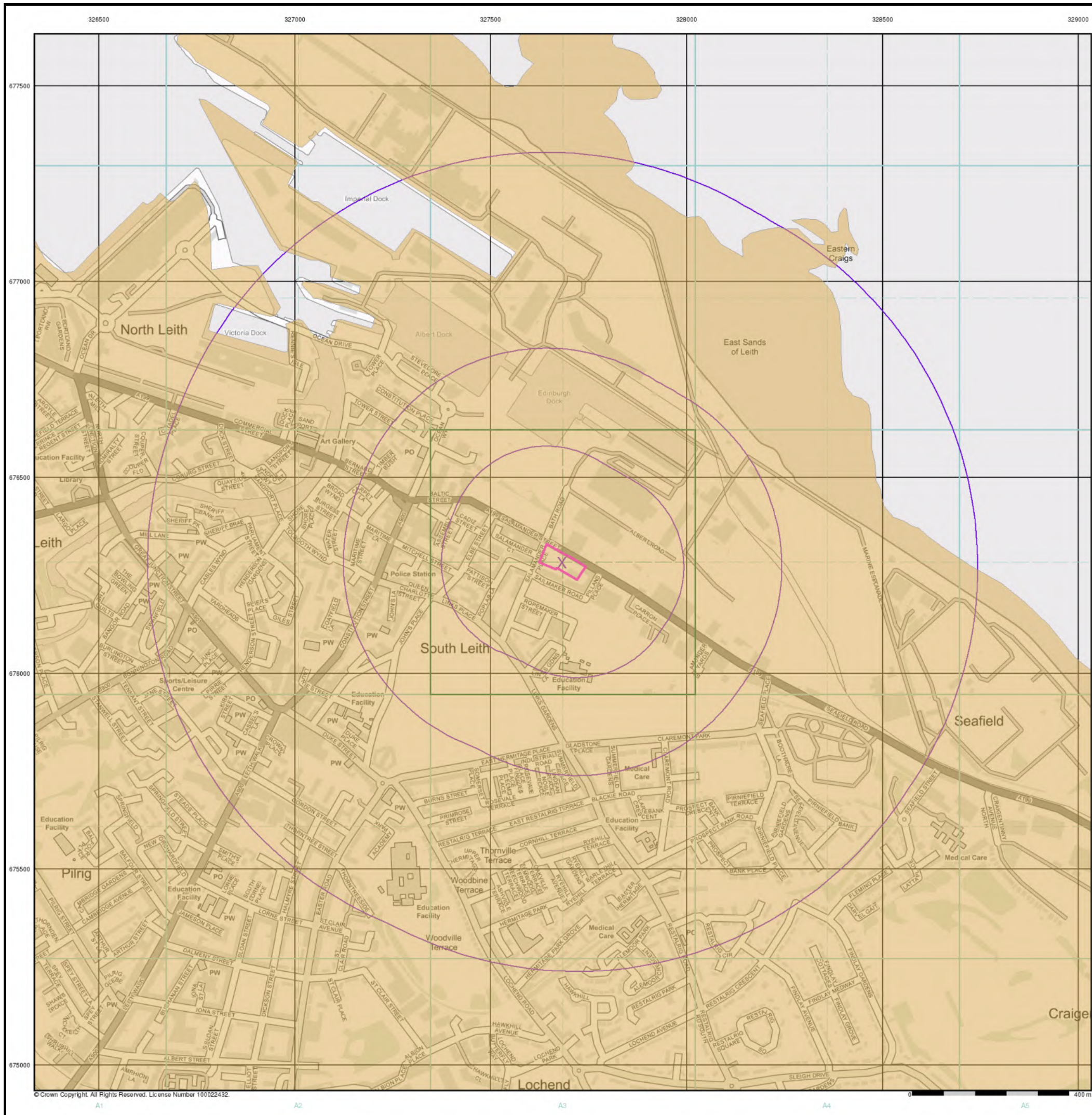


**Order Details**

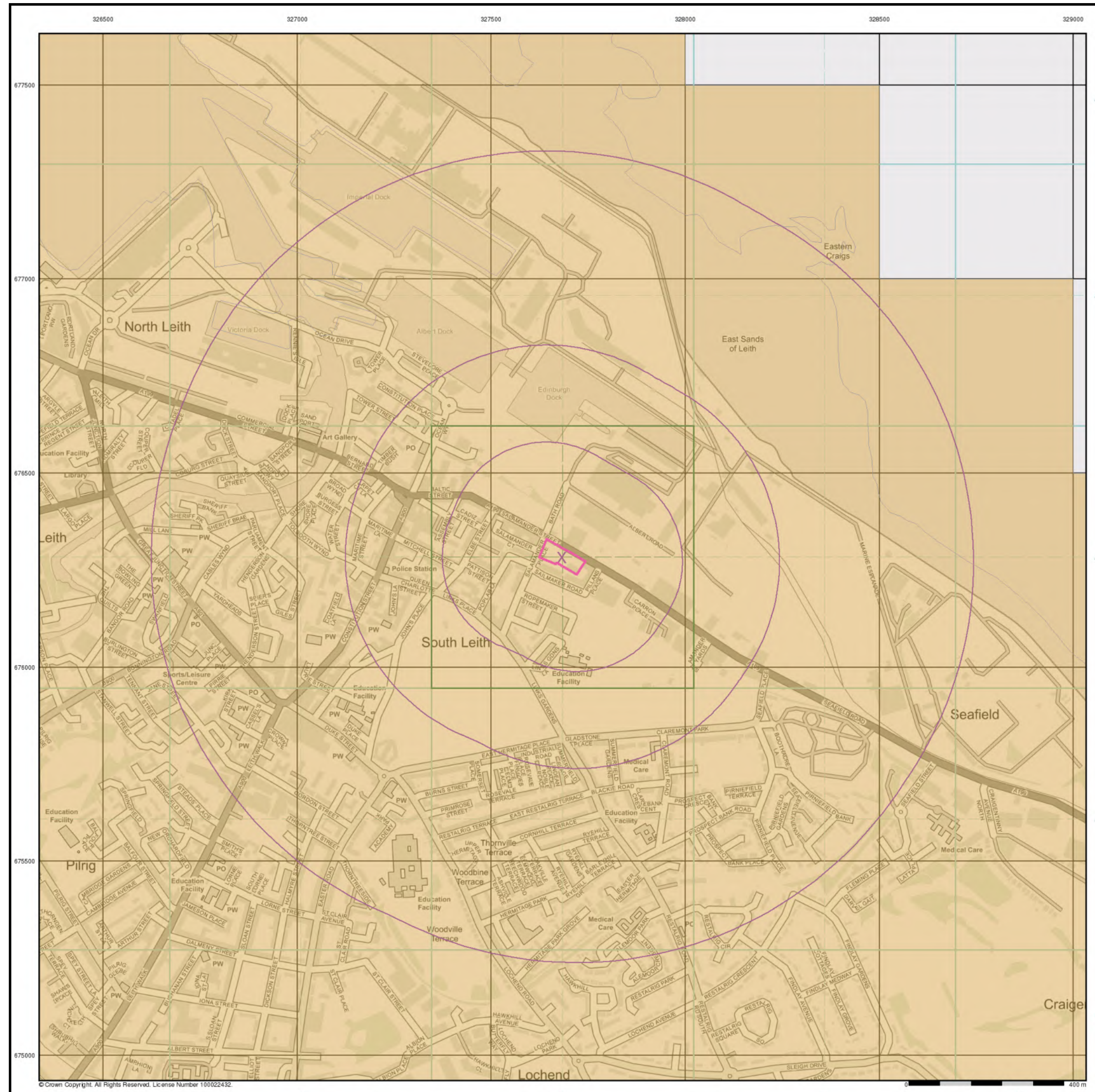
Order Details: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

**Site Details**

Salamander Street, Edinburgh



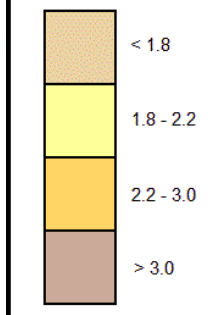
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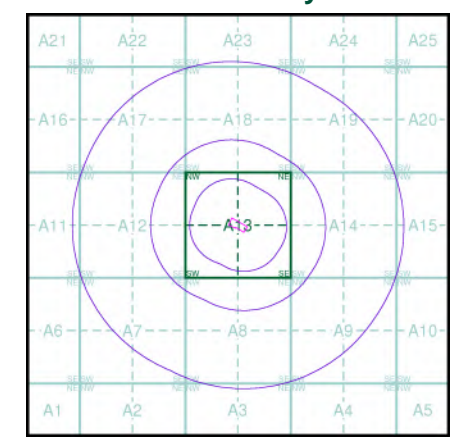
**General**  
□ Specified Site    ○ Specified Buffer(s)    ✕ Bearing Reference Point

**Estimated Soil Chemistry Cadmium**

Cadmium Concentrations mg/kg



**Estimated Soil Chemistry Cadmium - Slice A**



**Order Details**  
 Order Details: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

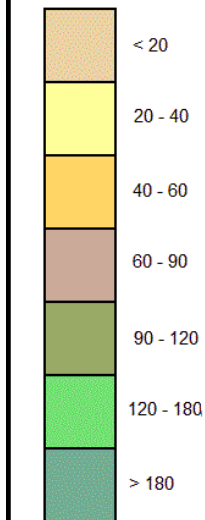
**Site Details**  
 Salamander Street, Edinburgh

**General**

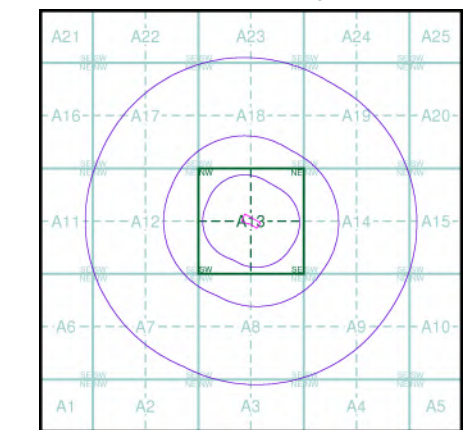
○ Specified Site     
 ○ Specified Buffer(s)     
 X Bearing Reference Point

**Estimated Soil Chemistry Chromium**

Chromium Concentrations mg/kg



**Estimated Soil Chemistry Chromium - Slice A**



**Order Details**

Order Details: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

**Site Details**

Salamander Street, Edinburgh



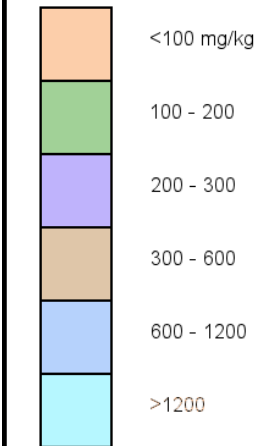
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**General**

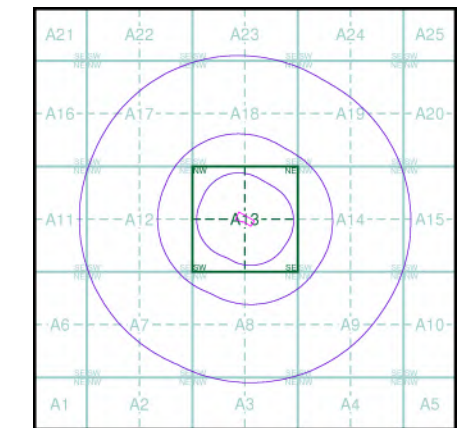
✦ Specified Site     
 ○ Specified Buffer(s)     
 ✕ Bearing Reference Point

**Estimated Soil Chemistry Lead**

Lead Concentrations mg/kg



**Estimated Soil Chemistry Lead - Slice A**

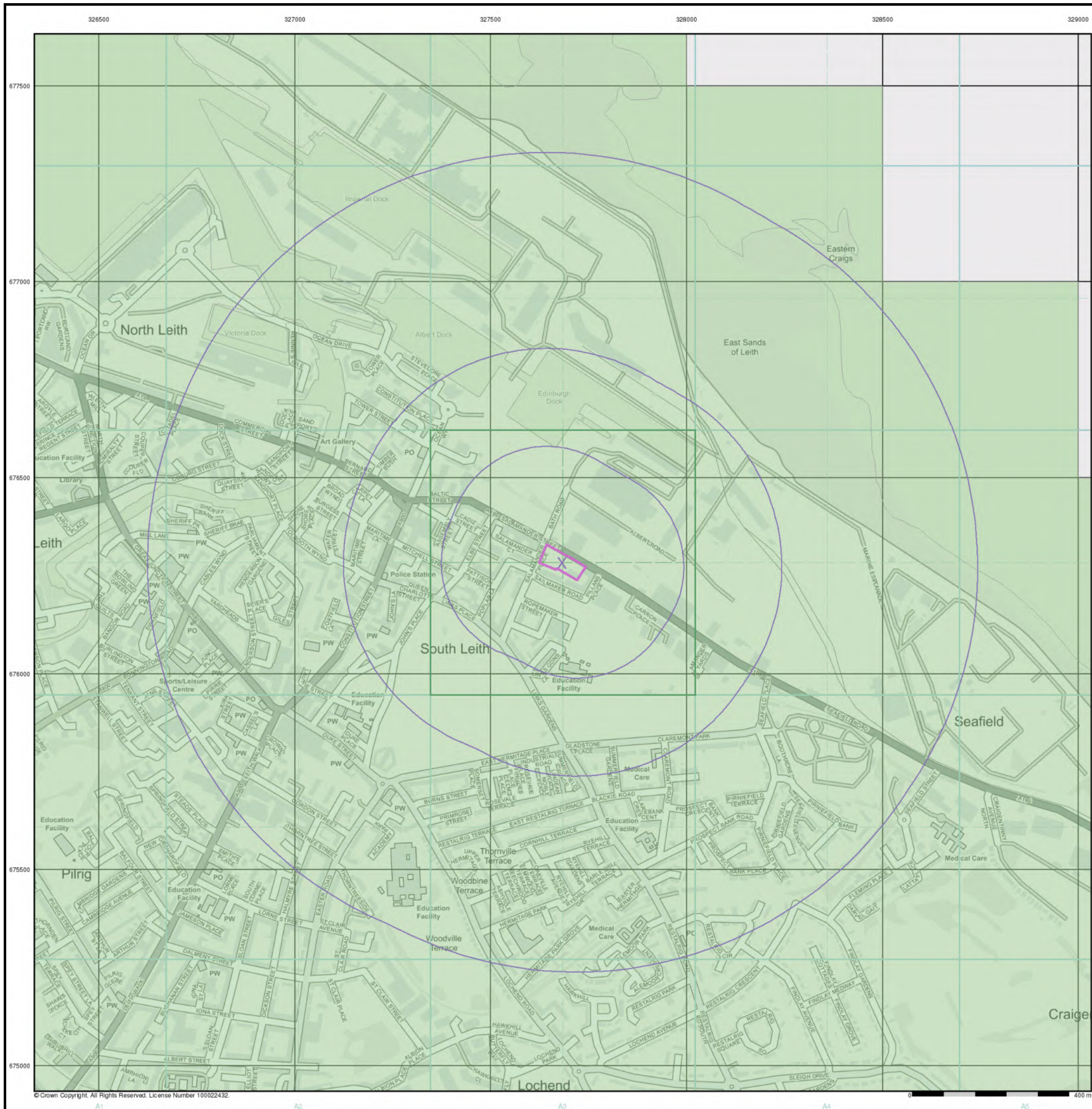


**Order Details**

Order Details: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

**Site Details**

Salamander Street, Edinburgh



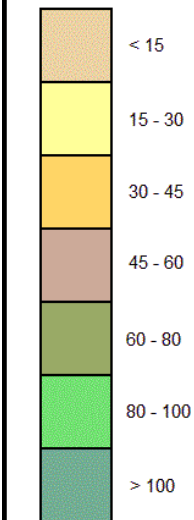
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**General**

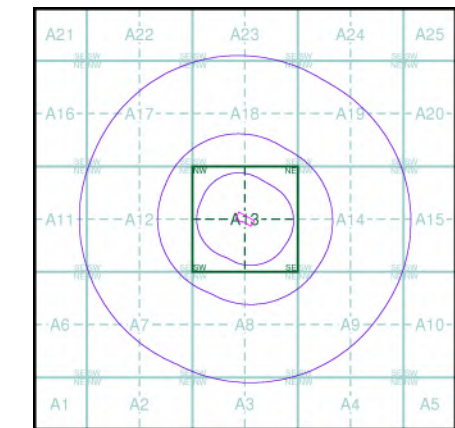
✱ Specified Site     
 ○ Specified Buffer(s)     
 ✕ Bearing Reference Point

**Estimated Soil Chemistry Nickel**

Nickel Concentrations mg/kg



**Estimated Soil Chemistry Nickel - Slice A**

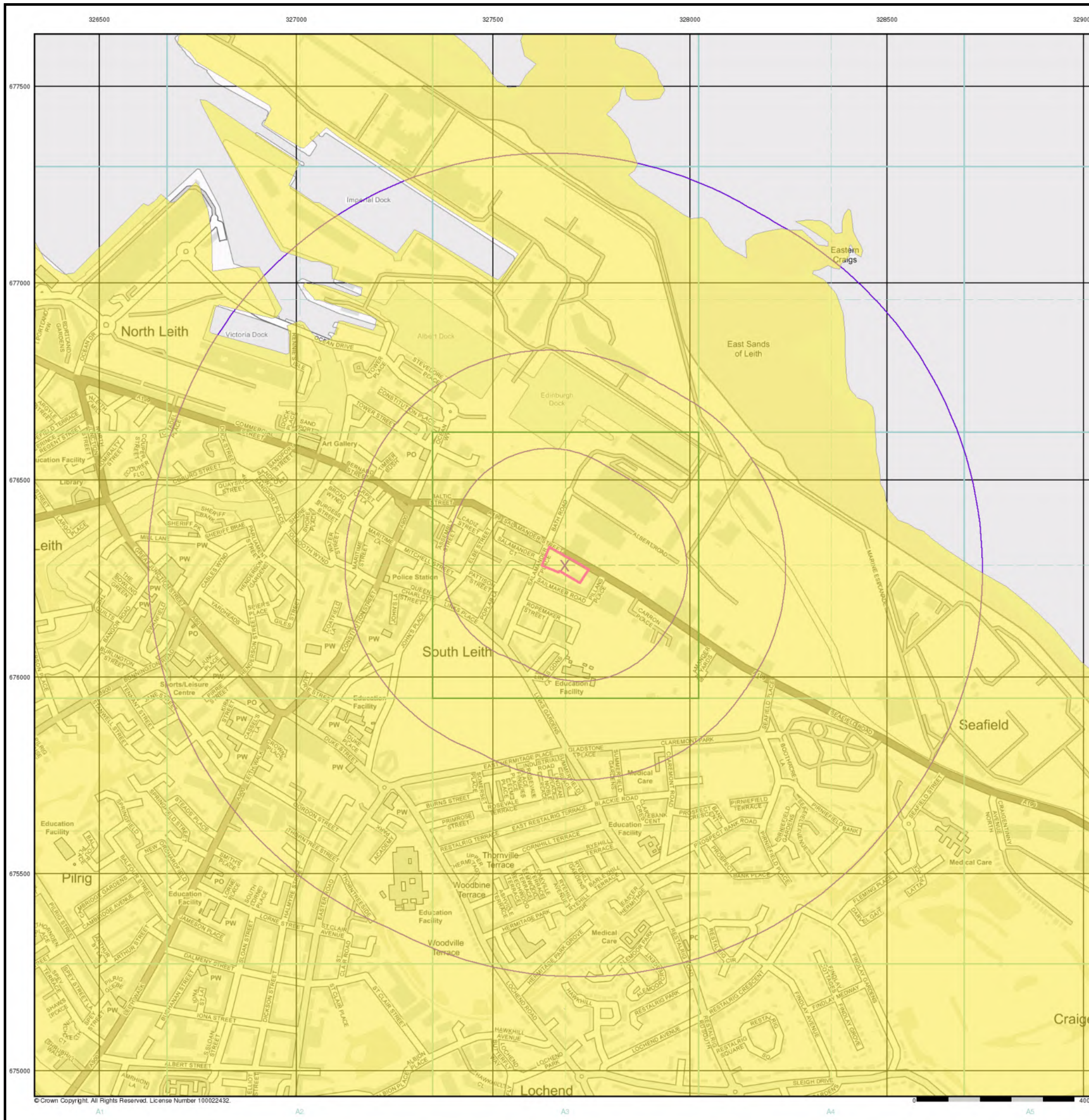


**Order Details**

Order Details: 316705814\_1\_1  
 Customer Ref: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

**Site Details**

Salamander Street, Edinburgh





# Geology 1:50,000 Maps Legends

## Artificial Ground and Landslip

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

## Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	R MDF	RAISED MARINE DEPOSITS OF HOLOCENE AGE	Sand and Gravel	Not Supplied - Holocene
	SABD	Shoreface and Beach Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Holocene
	ALV	Alluvium	Clay, Sand and Gravel	Not Supplied - Holocene
	RMDV	Raised Marine Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	SUPD	Superficial Deposits	Sediment	Not Supplied - Quaternary
	LDE	Lacustrine Deposits	Clay, Silt and Sand	Not Supplied - Quaternary

## Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CSTD	Central Scotland Late Carboniferous Tholeiitic Dyke Swarm	Quartz-Microgabbro	Not Supplied - LATE MISSISSIPPIAN
	RVN	Ravelston Sandstone	Sandstone	Not Supplied - Visean
	WASA	Wardie Sandstone	Sandstone	Not Supplied - Visean
	CGH	Craigeleith Sandstone	Sandstone	Not Supplied - Visean
	GENR	General's Rock Sandstone	Sandstone	Not Supplied - Visean
	CDE	Calders Member	Sedimentary Rock Cycles, Strathclyde Group Type	Not Supplied - Visean

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	GUL	Gullane Formation	Sedimentary Rock Cycles, Strathclyde Group Type	Not Supplied - Visean
	GUL	Gullane Formation	Sandstone	Not Supplied - Visean
	ASV	Arthur's Seat Volcanic Formation	Mugearite	Not Supplied - Visean
	ASV	Arthur's Seat Volcanic Formation	Basaltic-Rock, Plagioclase-Macrophyric	Not Supplied - Visean
	ASV	Arthur's Seat Volcanic Formation	Tuff	Not Supplied - Visean
	ASV	Arthur's Seat Volcanic Formation	Basaltic-Rock, Olivine-Clinopyroxene-Macrophyric	Not Supplied - Visean
	LOCS	Lochend Sill	Analcime-Microgabbro, Olivine	Not Supplied - Carboniferous
		Faults		



GEO-ENVIRONMENTAL & MINERALS

## Geology 1:50,000 Maps

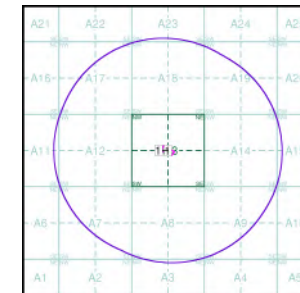
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

Map ID:	1
Map Sheet No:	032E
Map Name:	Edinburgh
Map Date:	2006
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

## Geology 1:50,000 Maps - Slice A



## Order Details:

Order Number:	316705814_1_1
Customer Reference:	XG240
National Grid Reference:	327680, 676280
Slice:	A
Site Area (Ha):	0.49
Search Buffer (m):	1000

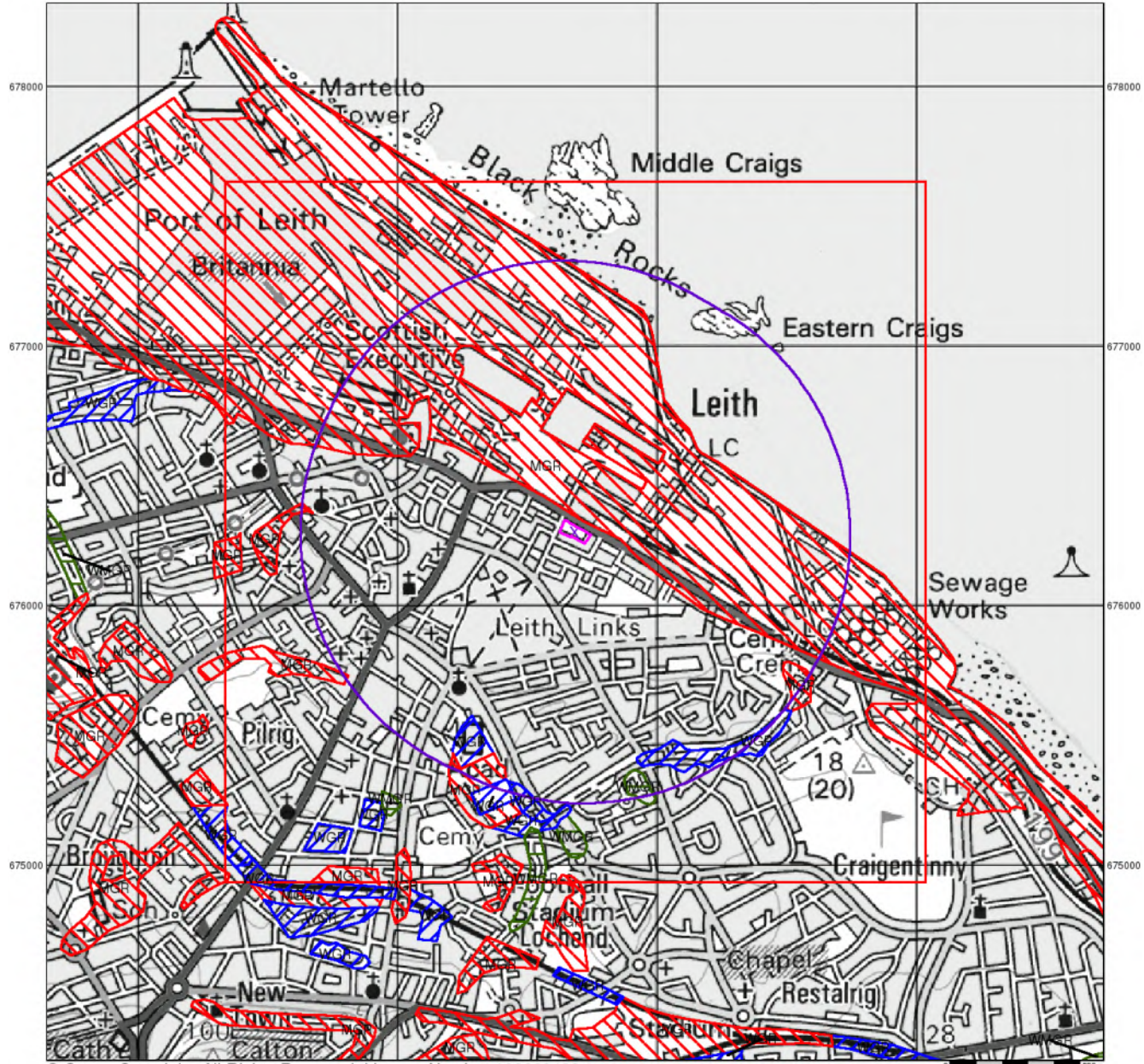
## Site Details:

Salamander Street, Edinburgh



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk

326000 327000 328000 329000



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GEO-ENVIRONMENTAL & MINERALS

### Artificial Ground and Landslip

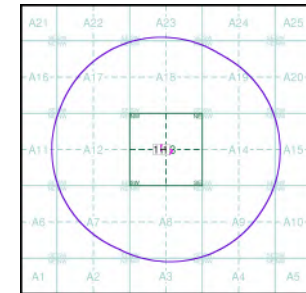
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

### Artificial Ground and Landslip Map - Slice A



### Order Details:

Order Number: 316705814\_1\_1  
 Customer Reference: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

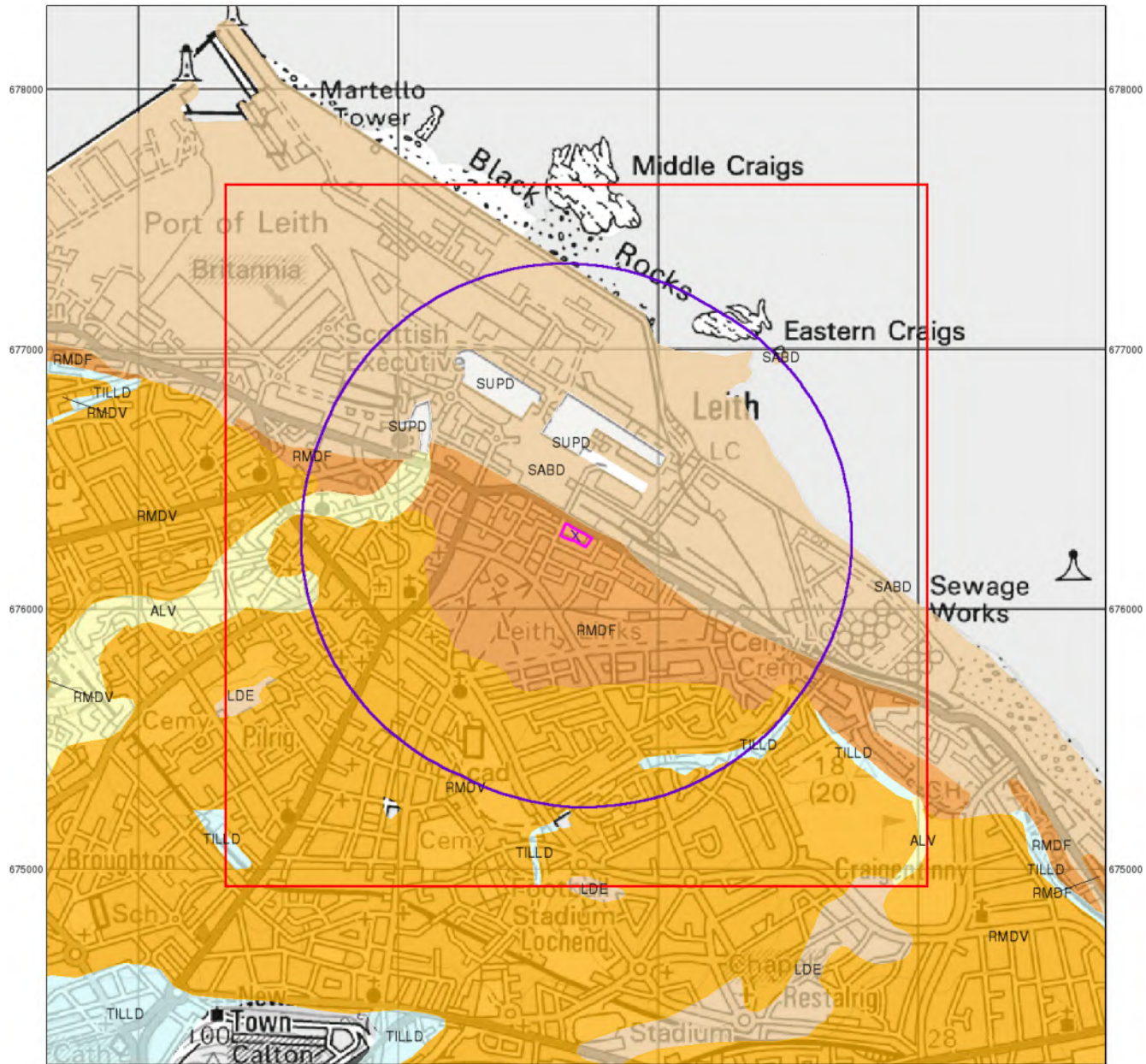
### Site Details:

Salamander Street, Edinburgh



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
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GEO-ENVIRONMENTAL & MINERALS

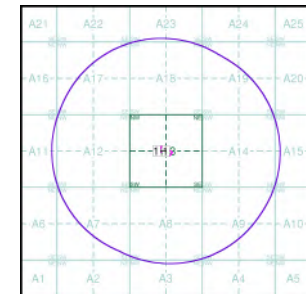
### Superficial Geology

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 A



### Order Details:

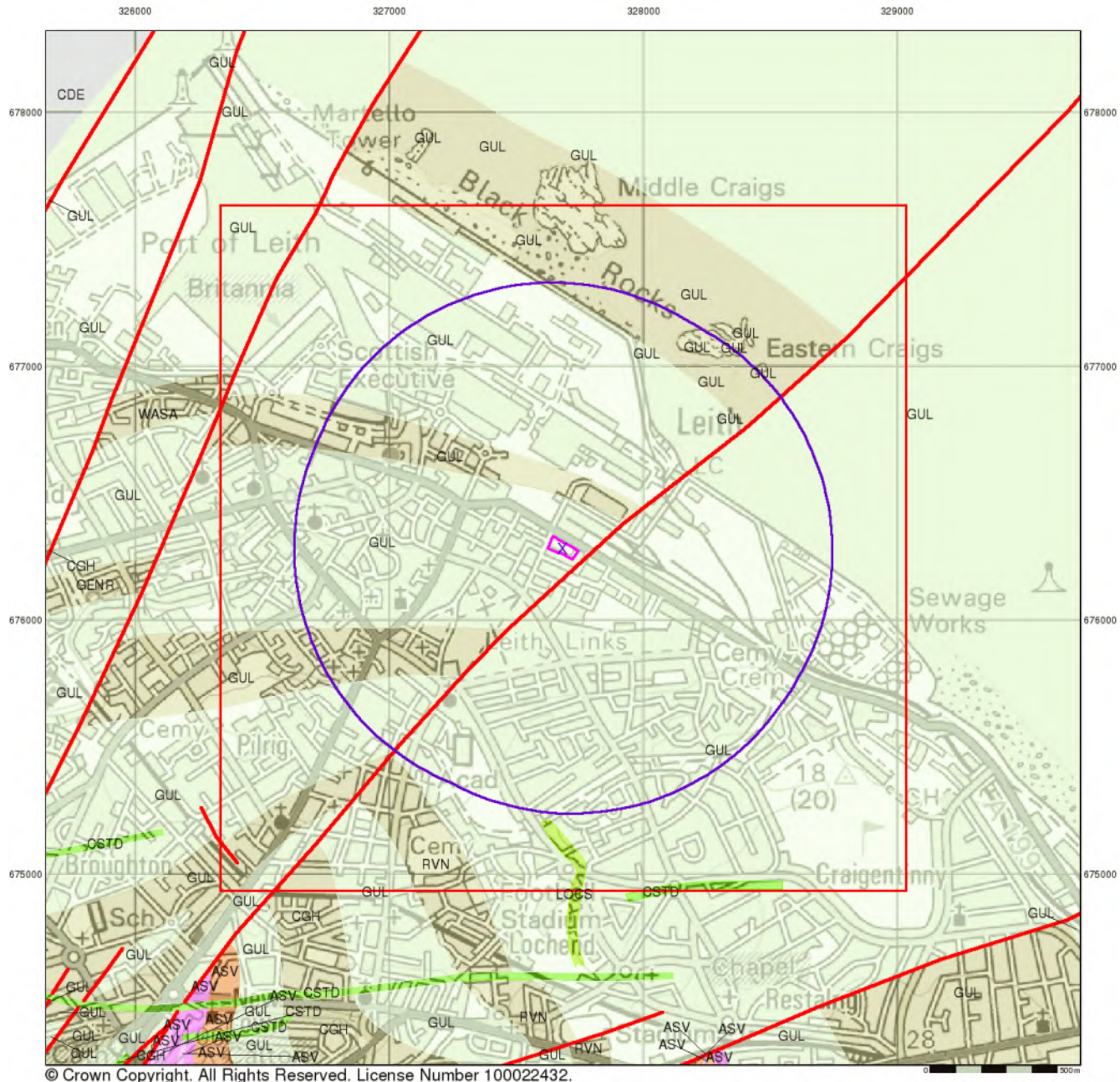
Order Number: 316705814\_1\_1  
 Customer Reference: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

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### Bedrock and Faults

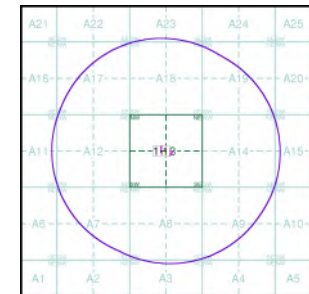
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 A



### Order Details:

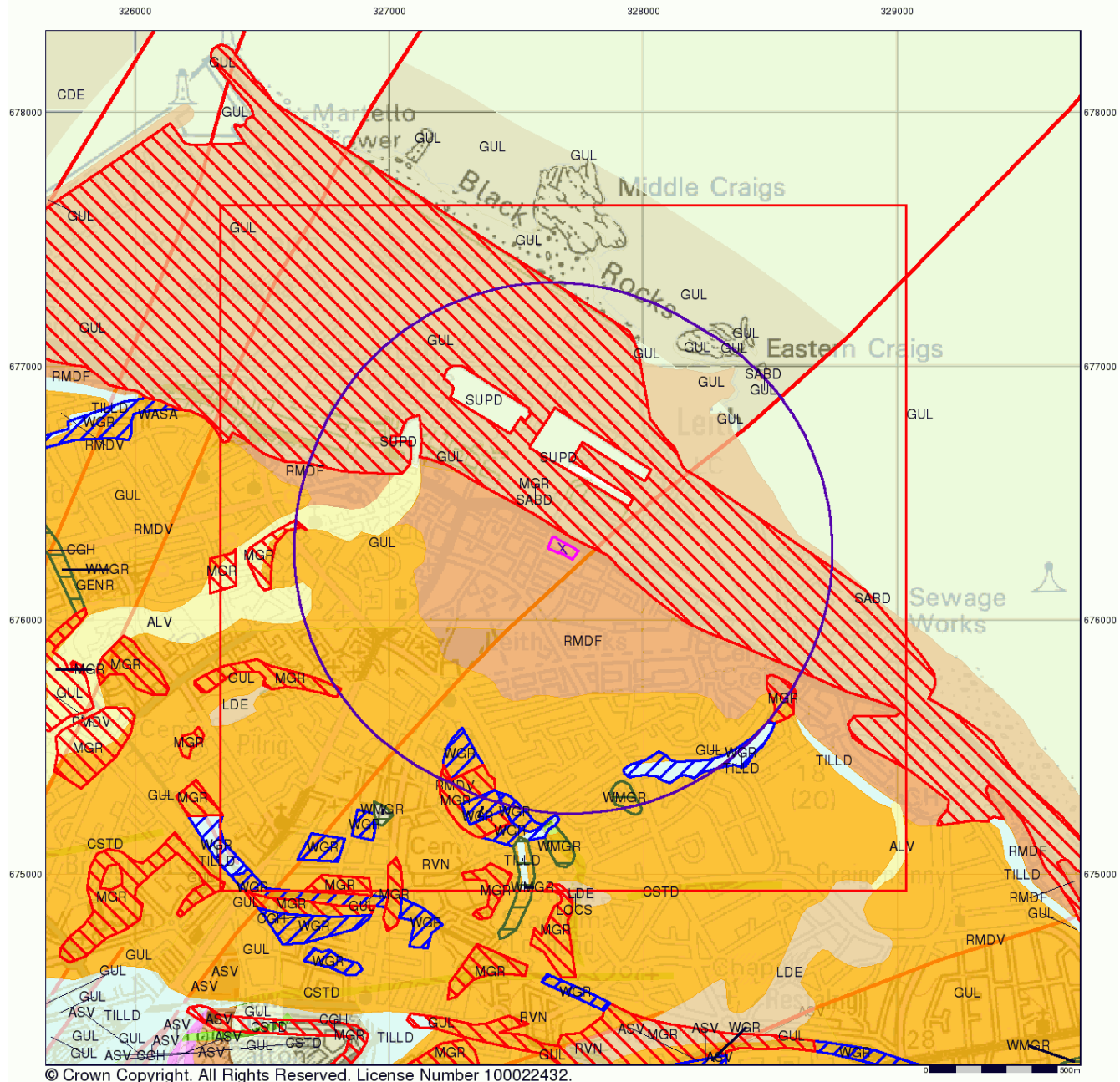
Order Number: 316705814\_1\_1  
 Customer Reference: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

### Site Details:

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GEO-ENVIRONMENTAL & MINERALS

### 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.

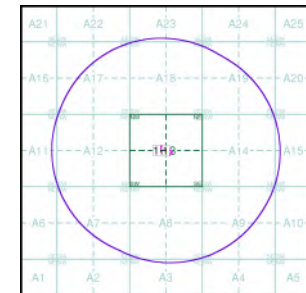
### Additional Information

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 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

### Combined Geology Map - Slice A



### Order Details:

Order Number: 316705814\_1\_1  
 Customer Reference: XG240  
 National Grid Reference: 327680, 676280  
 Slice: A  
 Site Area (Ha): 0.49  
 Search Buffer (m): 1000

### Site Details:

Salamander Street, Edinburgh



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



## **Appendix 8      Petroleum Officer Response**

## Acknowledgement of request (edir:44676)

informationrights@edinburgh.gov.uk <informationrights@edinburgh.gov.uk>

Wed 20/09/2023 12:30

To: Jorge Vargas <jorge.vargas@jpb.co.uk>

Mr Jorge Vargas

Our ref: 44676

Dear Mr Vargas

Acknowledgement of Request

Subject: XG240 - Salamander Street, Edinburgh - Petroleum officer search

Thank you for your request for information of 19/09/2023 which was received on 19/09/2023.

In your request you asked for the following;

Please find attached a site location plan for the above site. The site is located at Salamander Street, Edinburgh.

We are interested in any records that you may have regarding fuel tanks presently on the site or of tanks which may have been present historically (even if subsequently removed) and any tanks on adjacent properties.

I can confirm that your request will be processed under the Freedom of Information (Scotland) Act 2002, Environmental Information Regulations (Scotland) 2004, or the INSPIRE (Scotland) Regulations 2009.

You will receive the information requested within 20 working days unless the Council does not hold the information, or there is a reason for it to be withheld. We will write to you in any event. This means we have until 17/10/2023 to respond to your request.

In some circumstances a fee may be payable and if that is the case we will let you know.

If you have any requirements regarding the format any information should be supplied in, e.g. the language to be used, audio, large print and so on, then please let me know.

If you have any queries or concerns, do not hesitate to get in touch. Please quote the reference number above in any future communications.

To promote transparency and accountability, it is the Council's policy to publish all request details and responses made under the freedom of information legislation. This information is available at the following link: [https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.edinburgh.gov.uk%2Fhomepage%2F10467%2Ffreedom-of-information-foi-disclosure-](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.edinburgh.gov.uk%2Fhomepage%2F10467%2Ffreedom-of-information-foi-disclosure-log&data=05%7C01%7Cjorge.vargas%40jpb.co.uk%7Cd4e098a25248452db7c508dbb9ccec7%7C743ad6a36b37460c9f0b05d88660c4ce%7C1%7C0%7C638308062015602108%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IjE1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=wFEKcr5WLS6tVclPFpXnfG81wFzX7aGhJGHed9ONds4%3D&reserved=0)

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Further information about your rights and accessing information is available on our website at:

[https://eur03.safelinks.protection.outlook.com/?](https://eur03.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.edinburgh.gov.uk%2F&data=05%7C01%7Cjorge.vargas%40jpb.co.uk%7Cd4e098a25248452db7c508dbb9ccecc7%7C743ad6a36b37460c9f0b05d88660c4ce%7C1%7C0%7C638308062015602108%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=VQUOfYjOlegP5IxTB%2FdurFvzhDouyubHLnzwXSEnKAE%3D&reserved=0)

[url=http%3A%2F%2Fwww.edinburgh.gov.uk%2F&data=05%7C01%7Cjorge.vargas%40jpb.co.uk%7Cd4e098a25248452db7c508dbb9ccecc7%7C743ad6a36b37460c9f0b05d88660c4ce%7C1%7C0%7C638308062015602108%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=VQUOfYjOlegP5IxTB%2FdurFvzhDouyubHLnzwXSEnKAE%3D&reserved=0](http%3A%2F%2Fwww.edinburgh.gov.uk%2F&data=05%7C01%7Cjorge.vargas%40jpb.co.uk%7Cd4e098a25248452db7c508dbb9ccecc7%7C743ad6a36b37460c9f0b05d88660c4ce%7C1%7C0%7C638308062015602108%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=VQUOfYjOlegP5IxTB%2FdurFvzhDouyubHLnzwXSEnKAE%3D&reserved=0)

Yours sincerely,

Information Governance Unit

Level 2:1, Waverley Court, Edinburgh EH8 8BG Tel 0131 200 2340

informationrights@edinburgh.gov.uk [https://eur03.safelinks.protection.outlook.com/?](https://eur03.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.edinburgh.gov.uk%2F&data=05%7C01%7Cjorge.vargas%40jpb.co.uk%7Cd4e098a25248452db7c508dbb9ccecc7%7C743ad6a36b37460c9f0b05d88660c4ce%7C1%7C0%7C638308062015602108%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=VQUOfYjOlegP5IxTB%2FdurFvzhDouyubHLnzwXSEnKAE%3D&reserved=0)

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## **Appendix 9      UXO Map/Desk Study**

# UNEXPLODED BOMB RISK MAP



## SITE LOCATION

Location: EH6 7JY,  
Map Centre: 327761,676254



## LEGEND

- **High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- **Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- **Low:** Areas indicated as having 15 bombs per 1000acre or less.

- |                  |                      |                          |
|------------------|----------------------|--------------------------|
| <b>military</b>  | <b>industry</b>      | <b>UXO find</b>          |
| <b>transport</b> | <b>dock</b>          | <b>Luftwaffe targets</b> |
| <b>utilities</b> | <b>Bombing decoy</b> | <b>other</b>             |

### How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment\* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment\* is necessary.

### What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

**Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.**

### If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

### If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

email: **uxo@zetica.com**

web: **www.zeticauxo.com**

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

\*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

**RE: XG240- Salamander Street, Edinburgh PDSA report**

Harry Clayton &lt;Harry.Clayton@zetica.com&gt;


Wed 13/09/2023 15:36

To: Jorge Vargas &lt;jorge.vargas@jpb.co.uk&gt;; Uxo &lt;Uxo@zetica.com&gt;

Cc: Research &lt;research@zetica.com&gt;

Good afternoon Jorge

Please find the PDSA below as requested. If you have any further queries, don't hesitate to contact us.

	
<b>Pre-Desk Study Assessment</b>	
<b>Site:</b>	Salamander Street, Edinburgh, Scotland
<b>Client:</b>	JPB
<b>Contact:</b>	Jorge Vargas
<b>Date:</b>	13 <sup>th</sup> September 2023
Pre-WWI Military Activity on or Affecting the Site	None identified.
WWI Military Activity on or Affecting the Site	None identified.
WWI Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the Site:</p> <ul style="list-style-type: none"> <li>• Leith Docks.</li> <li>• Transport infrastructure and public utilities.</li> <li>• Industries important to the war effort, including munitions factories, and chemical and metal works.</li> <li>• Military barracks, camps, and training areas.</li> </ul>
WWI Bombing	None identified on the Site.
Interwar Military Activity on or Affecting the Site	None identified.
WWII Military Activity on or Affecting the Site	None identified.
WWII Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the Site:</p> <ul style="list-style-type: none"> <li>• Leith Docks.</li> <li>• Transport infrastructure and public utilities.</li> <li>• Industries important to the war effort, including chemical and metal works.</li> <li>• Military barracks, camps, and training areas.</li> <li>• Anti-Aircraft (AA) and anti-invasion defences.</li> </ul>
WWII Bombing Decoys (within 5km of Site)	1No. located approximately 2km northwest of the Site.
WWII Bombing	<p>During WWII the Site was located in the Large Burgh (LB) of Edinburgh, which officially recorded 47No. HE bombs with a bombing density of 1.5 bombs per 405 hectares (ha).</p> <p>No readily available records have been found to indicate that the Site was bombed.</p>

Post-WWII Military Activity on or Affecting the Site	None identified.
Recommendation	A detailed desk study, whilst always prudent, is not considered essential in this instance.
Further information	<p>For information about Zetica’s detailed UXO desk studies and other UXO services, please visit our website: <a href="http://www.zeticauxo.com">www.zeticauxo.com</a>.</p> <p>Details and downloadable resources covering the most common sources of UXO hazard affecting sites in the UK can be found <a href="#">here</a>.</p> <p>If you have any further queries, please don’t hesitate to get in contact with us at <a href="mailto:uxo@zetica.com">uxo@zetica.com</a> or 01993 886 682.</p>
<p>This summary is based on a cursory review of readily available records. Caution is advised if you plan to action work based on this summary.</p> <p>It should be noted that where a potentially significant source of UXO hazard has been identified on the Site, the requirement for a detailed desk study and risk assessment has been confirmed and no further research will be undertaken at this stage. It is possible that further in-depth research as part of a detailed UXO desk study and risk assessment may identify other potential sources of UXO hazard on the Site.</p>	

Many thanks

*Harry*

**Harry Clayton**  
 Risk Assessor  
 Zetica Limited

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**From:** Jorge Vargas <jorge.vargas@jpb.co.uk>  
**Sent:** Friday, September 8, 2023 6:09 PM  
**To:** Uxo <Uxo@zetica.com>  
**Subject:** XG240- Salamander Street, Edinburgh PDSA report

Good morning

Could you please provide a PDSA report for the above site.

Our site is located at Salamander Street, Edinburgh. I have attached a site location plan, which shows the boundary of the site in pink.

If there are any problems, please do not hesitate to contact me.

Thanks for the help.

Regards

Jorge Vargas

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## **Appendix 10    SERA Input and Output Values**

# JPB SITE EVALUATION RISK ASSESSMENT (SERA)

Current Site conditions

Site Name:

Date:

Job Ref:

## SERA Input Summary

Land Use	CSOR	Sum HMP	SWR	SWP	GWR	GWP	GSP	ECOR	ECOP	PROPR	PROPP
3	3	4	5	1	2	3	3	4	4	5	3

## SERA Output Summary

PLS Human health	PLS Surface Water	PLS Groundwater	PLS Ecological
36	15	36	48

PLS Property  
45

## DoE CLR6 Categories

Human health	Surface Water	Groundwater	Ecological
Category 3	Category 4	Category 3	Category 2

PLS Property  
Category 2

Overall Category      Category 2

Priority Category

PLS

Priority Category 1	60 - 100
Priority Category 2	40 - 59
Priority Category 3	20 - 39
Priority Category 4	0 - 19

