



Falkirk Council
Development Services

ENVIRONMENTAL SEARCH REPORT

Site Name: Kemper Avenue Cark Park
Falkirk

Grid Reference: 289173, 679606

**On Behalf of:
Keith Raffan
Property Surveyor
Asset Management
Falkirk Council
Abbotsford House, Davids Loan
Falkirk FK2 7YZ**

**Keith Raffan
Property Surveyor
Asset Management
Falkirk Council
Abbotsford House, Davids Loan
Falkirk FK2 7YZ**

Dear Keith Raffan

**Re: Environmental Information Request
Site Name: Kemper Avenue Cark Park
Address: Falkirk**

Further to your recent enquiry dated [02/05/2018] regarding the above site we are pleased to provide you with the following information, which represents a summary of records we have available.

Whilst all reasonable care has been taken to ensure the accuracy of the information and data provided in this response, Falkirk Council accepts no liability for any loss or damage howsoever caused arising from any reliance placed by any other person upon the information and data contained herein.

Should you have any queries regards this search, or should you require a more detailed search, or have any special search requirements you should contact us on telephone 01324 504779 or 01324 504930.

Yours sincerely

**Contaminated Land Team
Environmental Protection**

INVOICE

Falkirk Council Contaminated Land Team are currently trialing a new report writing tool, for the duration of the trial there will be no charge for any EIR produced using the report writer. However, please be advised that a review of the EIR charging system is currently underway and a charge may be applicable in future. When the trial period has finished, you will be informed of any change in relation to charging prior to any reports being generated.

During this trial period any feedback on the report would be appreciated, please direct any comment to:

EIR Report Writing
Contaminated Land Team
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envhealth@falkirk.gov.uk

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1. Site Location Map

This section contains site location maps and photography available for this area. These include current OS mapping, historic aerial photography and recent aerial photography.

1.1 Current OS Mapping

The first map in this section contains current base mapping from either the OS MasterMap topography layer or OS 1:10 000 Large Scale Raster map data, depending on the size of the area being searched. Mastermap is the Ordnance Survey's premier digital product that records every fixed feature of larger than a few metres in one continuous digital map. The Ordnance Survey claims that OS MasterMap data is never more than six months out of date, due to continuous review and updates. Large Scale Raster map data is the most detailed raster product available from the Ordnance Survey. It provides large-scale background mapping, with a level of detail that is useful for analysing data within both urban and rural areas.

Ordnance Survey maps can be obtained from:

<http://www.ordnancesurvey.co.uk/>

Historical maps are available from:

Falkirk Councils Research and Information Unit:

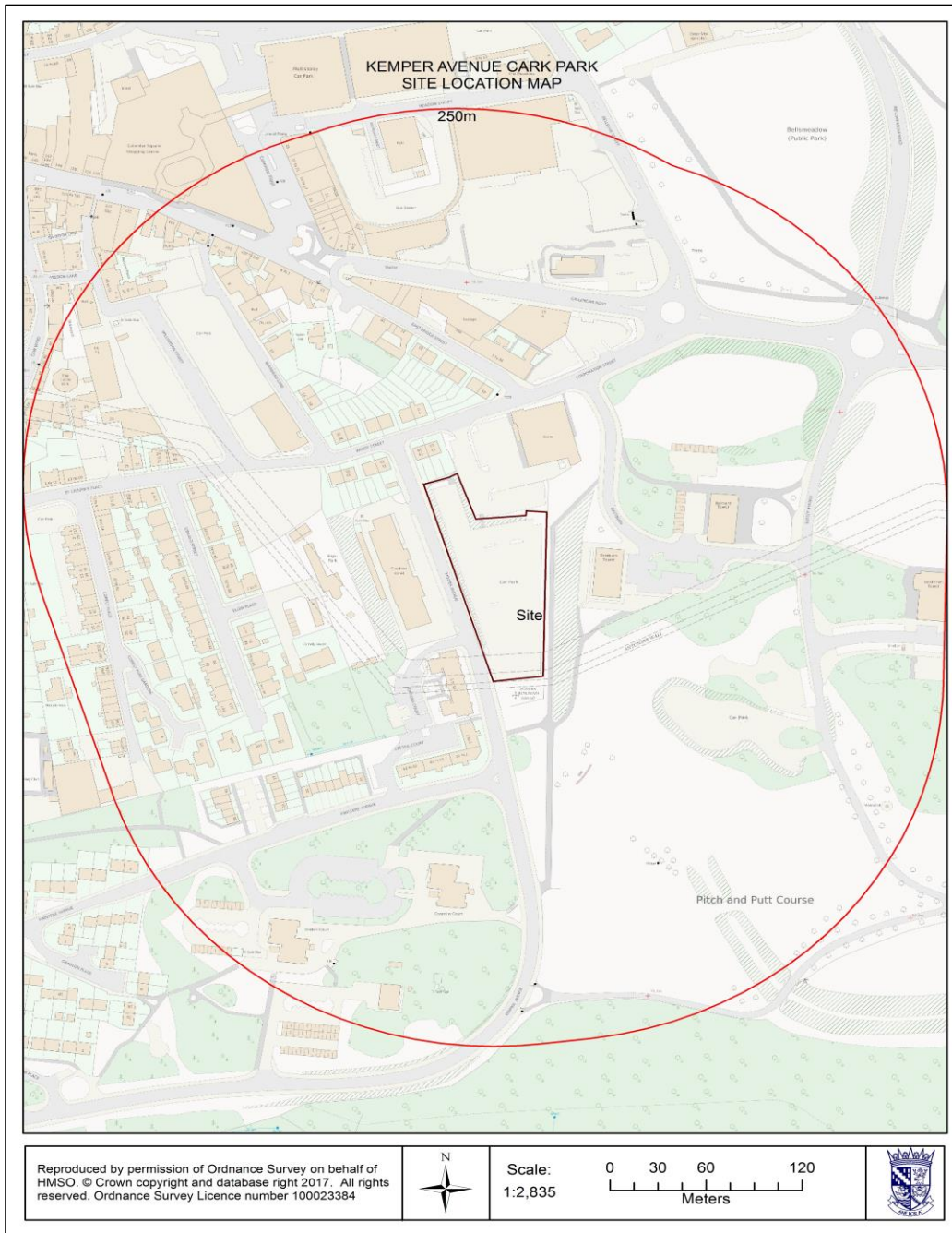
e-mail: r&i@falkirk.gov.uk <<mailto:r&i@falkirk.gov.uk>>;

Falkirk Archives:

<http://www.falkirkcommunitytrust.org/heritage/archives/>; and

Libraries in the Falkirk area:

<http://www.falkirkcommunitytrust.org/libraries/>



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1.2 Historic Aerial Photography

Historic Aerial Photography

This coverage of the Falkirk Council area is purchased under licence from the GeoInformation Group. This dataset was created from 1:10 000 and 1:25 000 scale aerial photography, using imagery captured between 1945 and 1954 by the RAF. It provides a valuable aid for updating features not evident on mapping although complete cover is not always available.

Additional aerial photographs may be available from the Ancient and Historical Monuments of Scotland (RCAHMS) website: <http://aerial.rcahms.gov.uk/>



Cities Revealed (R) Copyright by the Geoinformation (R) Group, 2018, (c) Crown copyright and database right 2018. All Rights Reserved. Ordnance Survey Licence Number 100023384

1.3 Recent Aerial Photography

Recent Aerial Photography

This coverage of the Falkirk Council area is purchased under licence from the Getmapping Partnership. This aerial photography is dated from the periods 2001-2002 and 2004-2006.

More up to date aerial photography may be available from Google Maps: <https://maps.google.co.uk/> or from Bing Maps: <http://www.bing.com/maps/>



(c) Getmapping Partnership 2018

2. Summary Datasheet

Search Layer Name	Search Distance	No. of features identified
Potentially Contaminative Historical Land Use	250 m	14
BGS Identified Artificial Geology	250 m	1
Methane and Carbon Dioxide (Bedrock)	250 m	1

3. Mining

We would suggest that you contact the Coal Authority: <http://coal.decc.gov.uk/> should you require any further information regarding any potential risks for mining and associated mine entries.

Mine Entry Information

This section searches for the presence of mine shafts and adits within the area of interest. It should be noted that the position of the mineshaft is only an indication from records which Falkirk Council have obtained from the Coal Authority and therefore we cannot confirm the accuracy of such records.

Mine entry information supplied under licence to Falkirk Council from The Coal Authority.

Mining Roadways

This section searches for the presence of mine roadways (spine roadways connecting coal etc.) within the area of interest. It should be noted that the position of the roadway is only an indication from records which Falkirk Council have obtained from the Coal Authority and therefore we cannot confirm the accuracy of such records.

Mining Roadway information supplied under licence to Falkirk Council from The Coal Authority.

Mining License Areas

This section searches for the presence of Coal Mining Licenses issued within the area of interest. It should be noted that the position of the License Area is only an indication from records which Falkirk Council have obtained from the Coal Authority and therefore we cannot confirm the accuracy of such records.

Mining License Area information is supplied under licence to Falkirk Council from The Coal Authority.

Underground Mine Workings

Due to the volume of data this layer comprises, we regret that we are currently unable to include this information within the report. Please contact the Contaminated Land Team if you require further detail regarding Underground Mine Workings at your site.

Underground Mine Working information is supplied under licence to Falkirk Council from The Coal Authority.

Probable Workings

Due to the volume of data this layer comprises, we regret that we are currently unable to include this information within the report. Please contact the Contaminated Land Team if you require further detail regarding Probable Workings at your site.

Probable Workings information is supplied under licence to Falkirk Council from The Coal Authority.

Unlicensed Opencast Mining

This section searches for the presence of unlicensed opencast mining within the area of interest. It should be noted that the location of the unlicensed opencast mine areas are only an indication from records which Falkirk Council have obtained from the Coal Authority and therefore we cannot confirm the accuracy of such records.

Unlicensed Opencast Mining information is supplied under licence to Falkirk Council from The Coal Authority.

Mining Hazard (not including coal)

This dataset indicates potential for mining hazard in Great Britain as a result of mineral extraction. It excludes areas of Coal mining as these are covered by the Coal Authority. It is based on a simple A-E rating scale indicating the increasing likelihood of an underground mining hazard.

Mining Hazard (not including coal) information supplied under licence to Falkirk Council from The British Geological Survey (BGS).

Methane and Carbon Dioxide (Bedrock)

The BGS identified a requirement to develop methane and carbon dioxide gas emission data holdings in a format that would be suitable both for BGS GeoReports and for value added resellers, so that information on methane (CH₄) and carbon dioxide (CO₂) gas emission hazards from natural sources and coal mining can be included in reports for house buyers and developers. Rock strata and unconsolidated deposits can be classified using BGS 1:50,000 scale DiGMapGB data according to their susceptibility to gas seepages.

This dataset includes data for the bedrock theme.

Methane and Carbon Dioxide (Bedrock) information is supplied under licence to Falkirk Council from The British Geological Survey (BGS).

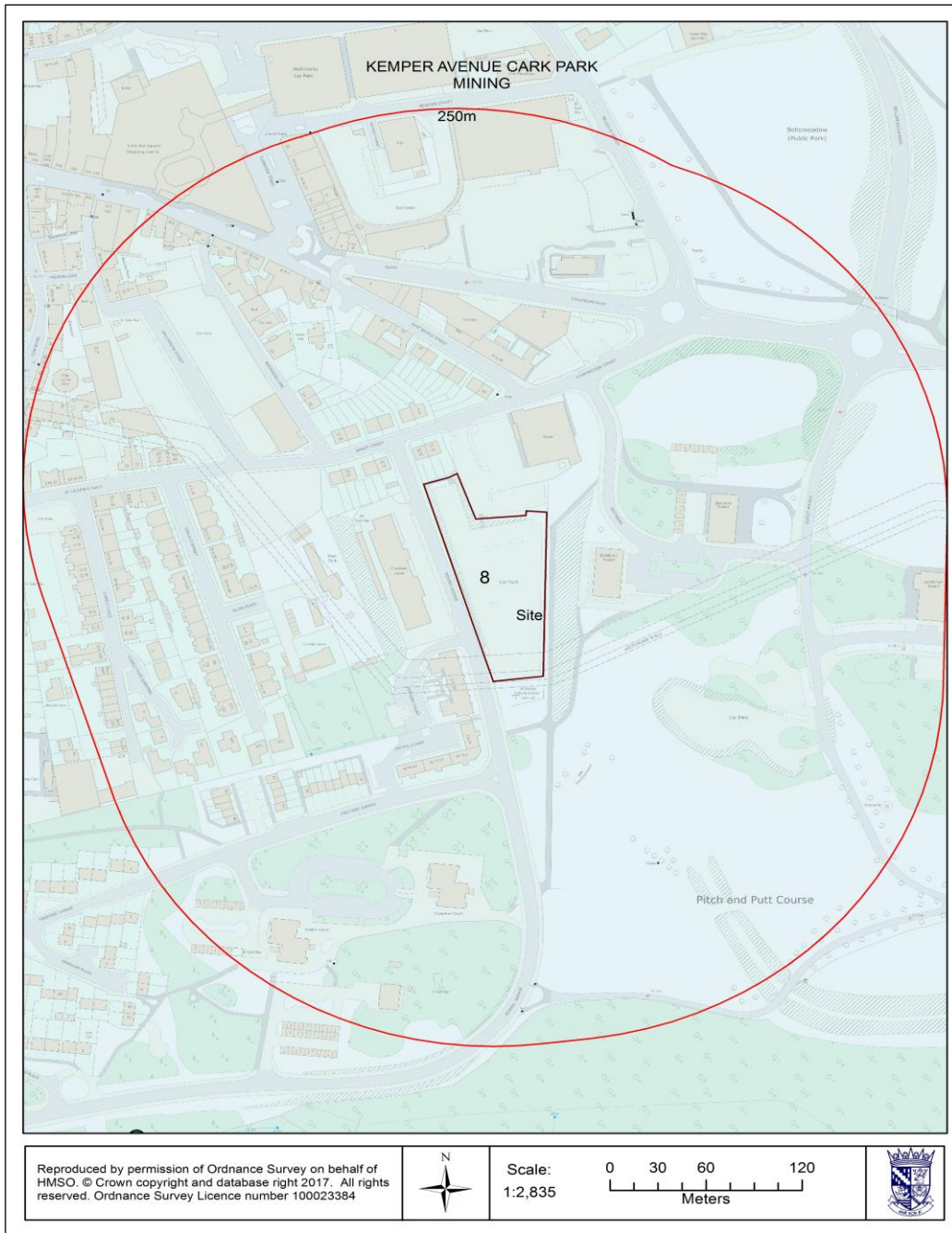
Methane and Carbon Dioxide (Superficial)

The BGS identified a requirement to develop methane and carbon dioxide gas emission data holdings in a format that would be suitable both for BGS GeoReports and for value added resellers, so that information on methane (CH₄) and carbon dioxide (CO₂) gas emission hazards from natural sources and coal mining can be included in reports for house buyers and developers. Rock strata and unconsolidated deposits can be classified using BGS 1:50,000 scale DiGMapGB data according to their susceptibility to gas seepages. This dataset includes data for the superficial theme.

Methane and Carbon Dioxide (Bedrock) information is supplied under licence to Falkirk Council from The British Geological Survey (BGS).

Identified Mining Information

The search results (if any) are presented in the following GIS Attribute tables.



The Coal Authority owns the copyright to this information and information used to produce it. All rights are reserved and unauthorised use is prohibited. In providing this information the ownership in the copyright and any other rights is not transferred.

3.1 GIS Attribute Data for Methane and Carbon Dioxide (Bedrock)

Selection Summary for layer

1 feature(s) identified on site.

0 feature(s) identified off site within 250 metres.

Feature ID Number	Hazard	Description	Approx. distance (m)	Approx. Area (m2)	Grid Ref.
On Site					
8	GAS	Potential gas hazard from bedrock and coal mining (Probable Mining under site)	0.00	19916742	287650, 677987
Identified Off-site - Within 250m					
None					

4. Hydrology

This section identifies any hydrological features within the area of interest. These include Surface Water features extracted directly from OS Mastermap and SEPA and private water wells from the Falkirk Council register. SEPA may hold additional information on abstraction licenses within the vicinity of the site: <http://sepa.org.uk/>

4.1 GIS Attribute Data for Private Water supplies

No records were selected.

4.2 GIS Attribute Data for Rivers and Inland Water

No records were selected.

4.3 GIS Attribute Data for Canals (Falkirk)

No records were selected.

5. Ecological Receptors

This section searches for records of RAMSAR sites, Special Protection Areas (SPA) and for records of any SSSI within the area of interest.

RAMSAR sites

The RAMSAR Convention on Wetlands is an intergovernmental treaty that embodies the commitments of its member countries to maintain the ecological character of their Wetlands of International Importance and to plan for the 'wise use', or sustainable use, of all of the wetlands in their territories.

Special Protection Areas

A SPA is a site designated under the Birds Directive. SPAs are selected for a number of rare, threatened or vulnerable bird species, and also for regularly occurring migratory species.

Sites of Special Scientific Interest (SSSI)

Sites of Special Scientific Interest are those areas of land and water that Scottish Natural Heritage (SNH) considers to best represent our natural heritage - its diversity of plants, animals and habitats, rocks and landforms, or a combination of such natural features.

5.1 GIS Attribute Data for RAMSAR Sites

No records were selected.

5.2 GIS Attribute Data for Special Protection Areas

No records were selected.

5.3 GIS Attribute Data for Site of Special Scientific Interest (SSSI)

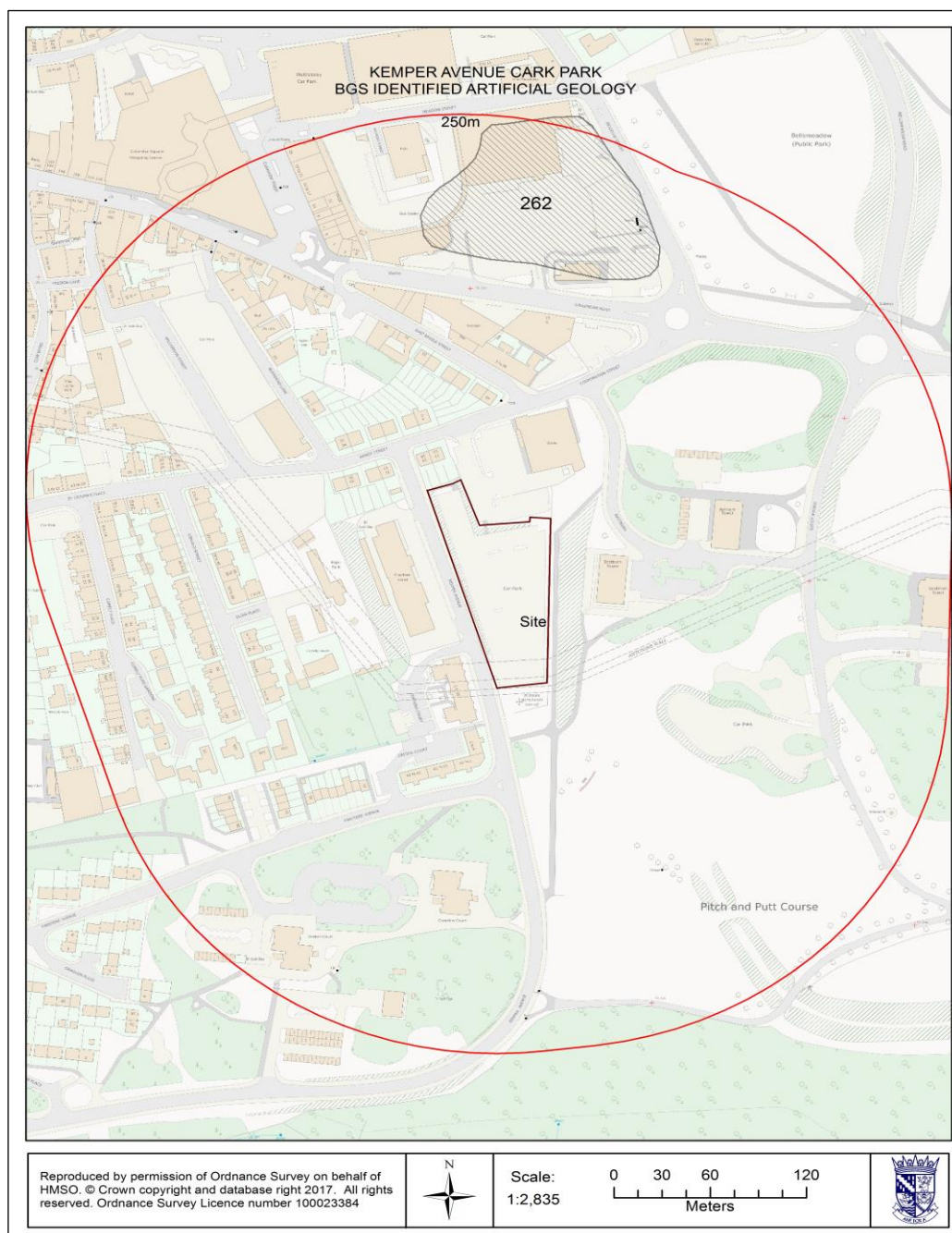
No records were selected.

6. BGS Identified Artificial Geology

BGS Identified Artificial Geology

This section searches for records of areas of Artificial Geology (also referred to as 'Made Ground') within the area of interest. Artificial or 'Made Ground' is a term used by the BGS for those areas where the ground surface has been significantly modified by human activity. Data may be incomplete in some areas.

Further information relating to the geology within the area of interest can be obtained from the British Geological Survey webpages: <http://www.bgs.ac.uk/geoindex>



Information provided under licence to Falkirk Council from the British Geological Survey.

6.1 GIS Attribute Data for BGS Identified Artificial Geology

Selection Summary for layer

0 feature(s) identified on site.

1 feature(s) identified off site within 250 metres.

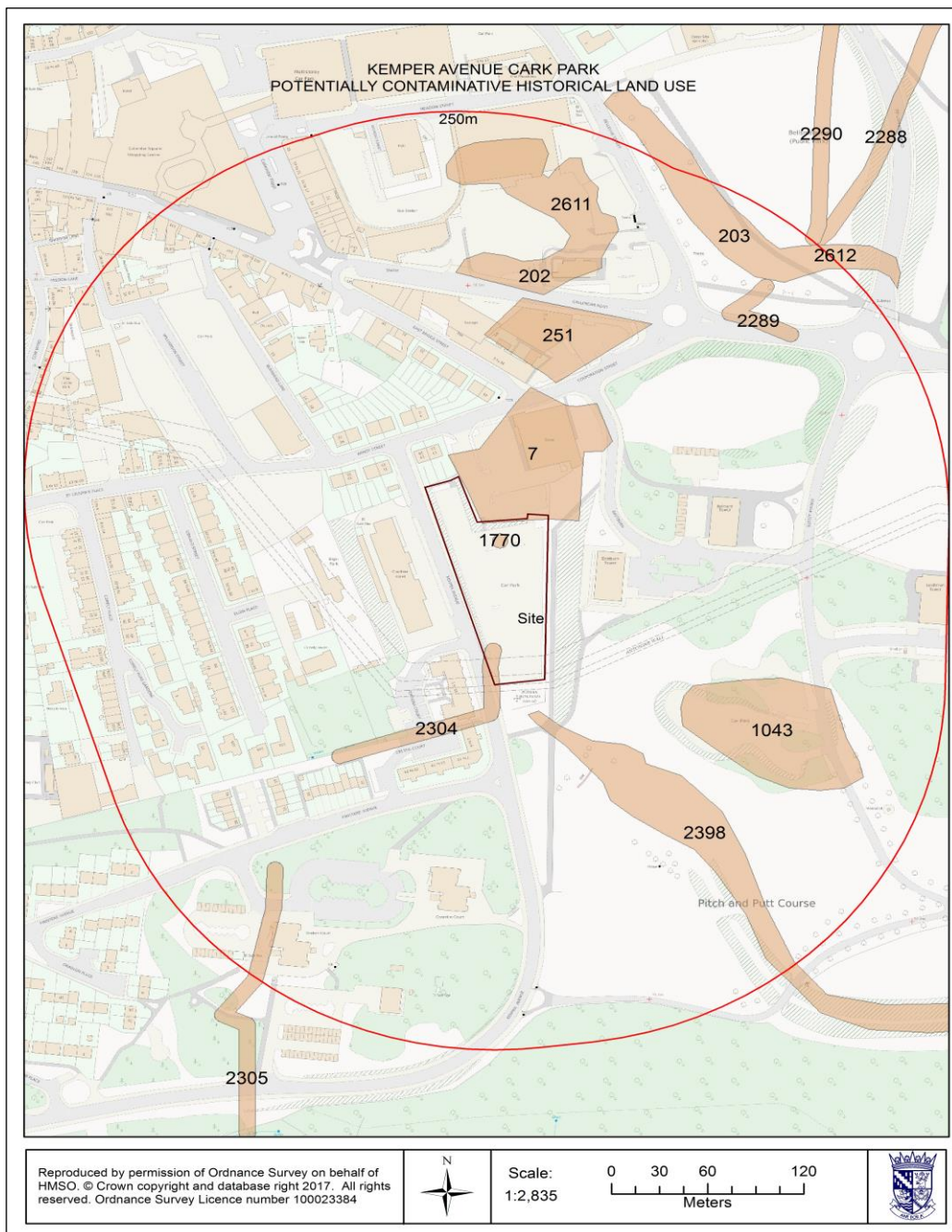
Feature ID Number	Type	Description	Approx. distance (m)	Approx. Area (m2)	Grid Ref.
On Site					
None					
Identified Off-site - Within 250m					
262	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT	152.04	11536	289201, 679867

7. Potentially Contaminative Historical Land Use

Potentially Contaminative Historical Land Use

This section searches for records of sites identified under Falkirk Council's Contaminated Land Inspection Strategy within the area of interest. These records include sites where potentially contaminative activities have occurred (former industrial uses). This information is held within a database management system that is used in conjunction with GIS mapping.

There may also be other potentially contaminative activities both onsite and within close proximity that are not marked on in-house records which were not taken into account as part of this review.



7.1 GIS Attribute Data for Potentially Contaminative Historical Land Use

Selection Summary for layer

3 feature(s) identified on site.

11 feature(s) identified off site within 250 metres.

Feature ID Number	Former Use	Approx. distance (m)	Approx. Area (m ²)	Grid Ref.
On Site				
7	East Bridge Tan Works	0.00	5823	289195, 679689
1770	Unknown Filled Ground (Pond, marsh, river, stream,	0.00	73	289174, 679634
2304	Unknown Filled Ground (Pond, marsh, river, stream,	0.00	1498	289135, 679513
Identified Off-site - Within 250m				
202	Sand Pit	134.40	5538	289197, 679860
203	Quarrying of sand and clay	208.00	4882	289321, 679860
251	Gas Works	88.58	3097	289211, 679775
1043	General quarrying	86.75	6139	289346, 679504
2288	Unknown Filled Ground (Pond, marsh, river, stream,	249.01	1827	289415, 679917
2289	Unknown Filled Ground (Pond, marsh, river, stream,	173.75	754	289335, 679790
2290	Unknown Filled Ground (Pond, marsh, river, stream,	246.99	3084	289399, 679982
2305	Unknown Filled Ground (Pond, marsh, river, stream,	181.20	2065	289020, 679319
2398	Unknown Filled Ground (Pond, marsh, river, stream,	20.84	14681	289508, 679355
2611	Unknown Filled Ground (Pit, quarry etc)	134.40	5538	289197, 679860
2612	Unknown Filled Ground (Pit, quarry etc)	208.00	4882	289321, 679860

7.2 Radon

Falkirk Council does not hold records on radon level within the council area. It is understood that the Health Protection Agency (HPA, now part of Public Health England) and British Geological Survey (BGS) have recently published a new Radon Map for Scotland which is available at: <http://www.ukradon.org/>

7.3 Contaminated Land Register

At the current time there are no entries within the Contaminated Land Register or notices relating to contaminated land for the site or close proximity. It should be noted that Falkirk Council is currently undertaking prioritisation works under the Contaminated Land Regime (Part IIA) and given the historical background of the site and surrounding area, it is considered that prioritisation/reprioritisation/designation could be considered, if circumstances arise.

7.4 Contaminated Land Planning Conditions for Future Development

Given the potentially contaminative nature of the former industries and land uses within the site and surrounding area, the Contaminated Land Team would request any planning applications for future development include a contaminated land condition.

7.5 Disclaimer

This report is compiled in good faith from information obtained from Falkirk Council's own researches and/or received from a number of different sources. This report is supplied on the distinct understanding that the Council does not warrant the accuracy of any of the information and on the basis that neither the Council nor any officer or agent of the Council is legally responsible, either in contract or in tort, for any inaccuracies, or omissions herein contained whether arising from inadvertence or negligence or from any other cause whatsoever.